Passive Soil Gas and Groundwater Investigation Report

AB&I Redevelopment
7825 San Leandro Street
Oakland, California

Alameda County LOP Case No.RO0003535

October 4, 2023

Prepared for:
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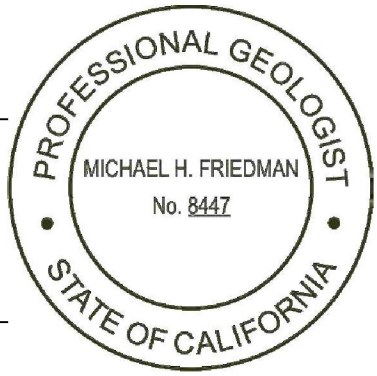
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1. Introduction

On behalf of Duke Realty Foundry LP (Duke Realty), Roux Associates, Inc. (Roux) has prepared this *Passive Soil Gas and Groundwater Investigation Report* (Report) to present the results of the passive soil gas and groundwater investigation (Investigation) conducted at the former American Brass & Iron (AB&I) Foundry Site located at 7825 San Leandro Street in Oakland, California (Site; Figure 1). The purpose of the Investigation was to determine if potential site contaminants have impacted soil vapors and groundwater underlying the Site that may require mitigation or remediation.

The Alameda County Department of Environmental Health (ACDEH) Local Oversight Program (LOP) for Hazardous Materials Releases is the lead regulatory agency for the Site. Environmental investigations and clean-up actions at the Site are being undertaken under the oversight of that agency's Site Clean-up Program (SCP), with GeoTracker Global ID T10000019792 and ACDEH Case Number RO0003535.

On June 30, 2023, Roux prepared and submitted to ACDEH a *Passive Soil Gas and Groundwater Investigation Work Plan (Work Plan)* which ACDEH approved in a letter dated July 13, 2023 on the condition that a Final Engagement Plan, a Revised Community Air Monitoring Plan, and a revised Draft Gannt Chart of major milestones of each project phase be submitted. As described below, those documents were submitted on August 8, 2023, August 25, 2023 and August 4, 2023, respectively. This Report documents the results of Roux's Investigation and provides our conclusions and recommendations regarding next steps.

- Final AB&I Redevelopment Communications Plan (Engagement Plan) - 8/8/23
- Revised CAMP - 8/10/23
- Final CAMP - 8/25/23
- Revised Draft Gantt Chart - 8/4/23

2. Background

2.1 Site Location and Description

The Site consists of the former AB&I Foundry located at 7741, 7825, and 7929 San Leandro Street in Oakland, California (Figure 1). For simplicity and consistency with regulatory communication, 7825 San Leandro Street will be used to reference the location. The Site is bounded by commercial/industrial properties to the north, south, east, and west. Union Pacific Railroad is located to the west, Oakland Truck Stop to the east, Elmhurst Creek along the southeast property corner, and San Leandro Bay is located approximately one mile to the west. The nearest residential areas are located approximately 1,500 feet north and east of the Site.

The Site consists of 15 parcels totaling approximately 14.5 acres and was previously developed with a two-story office building, multiple warehouses, a foundry and manufacturing building, a material storage area, and a parking lot (Figure 2). Vertical structures are currently undergoing demolition as part of planned redevelopment, which is pending. Demolition is scheduled to be completed in 2023.

2.2 Site History and Previous Environmental Assessments

The former owner and operator of the Site, AB&I, operated at the Site from at least 1940 until October 2022. During foundry operations, the Site was utilized for the manufacture of cast pipe and fittings. Operations at the site included the production of cast iron for the manufacturing of drain-waste-vent fittings and pipe from recycled scrap iron. The facility accepted scrap iron, pig iron and steel, which it stockpiled on-site to produce cast iron for fitting and piping manufacturing operations. Major operations involved scrap metal melting, mold making, fitting and pipe casting, and final finishing and coating of pipes and fittings. A majority of the Site is covered with concrete and asphalt/concrete pavement, except the area where scrap iron and steel were stockpiled.[1] AB&I ceased foundry operations in October of 2022 and vacated the Site in April 2023.

Seven underground storage tanks (USTs) were previously located on the Site, including: one 8,000-gallon UST used for storing unleaded gasoline; one 8,000-gallon UST used for the storage of mineral spirits, and later 1,1,1-trichloroethane (1,1,1-TCA); one 550-gallon UST used for storing regular leaded gasoline; one 10,000-gallon UST used for storing diesel; and three 10,000-gallon USTs used for storing gasoline. All USTs were removed from the Site between 1982 and the early 1990s under the regulatory oversight of ACDEH, documented under a single Leaking Underground Storage Tank (LUST) case (RO0000092). ACDEH closed the case in November 2011 with a covenant and environmental restriction that limits future land use to commercial and/or industrial use. Further information is included in the Revised Site Management Plan (AB&I, 2011).

As part of Duke Realty's pre-acquisition due-diligence process, Haley & Aldrich, Inc. (H&A) completed a Phase I Environmental Assessment at the Site, dated April 2022 (Phase I; H&A, 2022a). The Phase I identified several recognized environmental conditions, which H&A investigated during a limited Phase II Environmental Investigation, dated May 2022 (Phase II; H&A, 2022b), in which they advanced four soil borings (E-2, E-4, E-5 and E-6) (see Figure 2) and collected soil, soil-vapor and groundwater samples from

[1] Revised Site Management Plan, AB&I Foundry, 7825 San Leandro Street, Oakland, California, The Source Group, Inc., July 19, 2011.

the Site. The 2022 Phase II investigation collected and analyzed a total of eight soil samples, two groundwater samples and two soil vapor samples.

Soil sample analytical results indicated that shallow soil in the vicinity of E-4, E-5, and E-6 contained benzene in exceedance of 2019 Regional Water Quality Control Board (RWQCB) Commercial/Industrial Environmental Screening Levels (ESLs). Arsenic was detected below the background arsenic concentrations in the region (Duvergé, 2011).

The following compounds were detected in soil vapor in exceedance of their respective Commercial/industrial ESLs:

- Chloroform (E-2) – 21 micrograms per cubic meter (µg/m^3)
- Benzene (E-4) – 11,000 µg/m^3
- Ethylbenzene (E-4) – 2,600 µg/m^3
- Trichloroethene (TCE) (E-4) – 760 µg/m^3
- Vinyl chloride (E-4) – 74 µg/m^3
- Total Petroleum Hydrocarbons as Gasoline (TPH-g) (E4) – 820,000 µg/m^3

Vinyl chloride was also detected in groundwater at concentrations exceeding its Commercial/Industrial ESL of 0.14 micrograms per liter for groundwater vapor intrusion human health risk (E-2, 8.87 micrograms per liter [µg/L]); however, vinyl chloride was not detected in soil vapor sample E-2 which was collected from the same boring as the groundwater sample.

3. Investigation Methods

The work completed during the Investigation was conducted in accordance with the approved Work Plan submitted to ACDEH on June 30, 2023 (Roux, 2023) which ACDEH conditionally approved on July 13, 2023. To evaluate soil vapor on a site-wide basis, Roux installed sixty-four (64) passive soil gas samplers as described in Section 3.2. Additionally, to assess current groundwater quality conditions underlying the Site and to establish the current groundwater gradient at the Site. Roux installed eight (8) groundwater monitoring wells as described in Section 3.3. During well installation activities, soil samples were also collected from varying discrete depths at each well location.

Roux collected and analyzed the following samples:

- Soil Gas: PSG-01 through PSG-64
- Groundwater: MW-10 through MW-17
- Soil:
    - MW-10 at depths of 5, 10 and 15 feet below ground surface (bgs)
    - MW-11 at depths of 5, 10, 14, and 15 feet bgs
    - MW-12 at depths of 5, 10, 15, 20 and 25 feet bgs
    - MW-13 at depths of 3, 5, 6, 10, 15, and 20 feet bgs
    - MW-14 at depths of 5, 10 and 15 feet bgs
    - MW-15 at depths of 5, 10 and 15 feet bgs
    - MW-16 at depths of 5, 10 and 15 feet bgs
    - MW-17 at depths of 5, 10 and 15 feet bgs

Roux documented the methodologies, sampling times, and construction details on field forms included in Appendix A. Passive soil gas sampling locations are presented in Figure 3, and monitoring well sampling locations are presented in Figures 4 through 7. A summary of well construction details and water level gauging data are included in Table 1.

3.1 Pre-Field Activities

The following sections describe the pre-field activities conducted as part of this Investigation.

3.1.1 Health and Safety Plan

Prior to conducting fieldwork at the Site, a Site-specific Health, and Safety Plan (HASP) was prepared by Roux and kept onsite at all times when fieldwork was occurring. All fieldwork was performed in accordance with the HASP. Field personnel acknowledged their familiarity with all safety procedures and indicated their intent to follow the HASP by signing the HASP after the tailgate safety meeting(s), which took place at the beginning of each field day.

3.1.2 Permitting

Roux obtained permits from the Alameda County Public Works Agency (ACPWA) for the approved scope of work. The ACPWA issued Permit Numbers W2023-0500 to W2023-0508. The permits are included as Appendix B.

3.1.3 Utility Clearance and Geophysical Survey

Prior to soil-disturbing activities, Roux marked out the boundaries of the proposed boring locations in white paint and notified Underground Service Alert (USA) of Northern California (Ticket No. 2023071902243) over 48-hours in advance of drilling activities to identify potential utilities situated within the bounds of our proposed drilling locations. Roux subcontracted a private utility locating service provider, GPRS to evaluate the proposed boring locations and mitigate the risk of encountering buried utility lines or other subsurface features. As part of the geophysical investigation, GPRS used a variety of techniques including concrete scanning, ground-penetrating radar, metal detection, and utility location. No utility lines were identified as impacting the proposed sampling locations, however for ease of access, PSG-01 was moved outdoors, approximately 40 feet to the northwest. No other proposed boring locations were significantly altered.

3.2 Passive Soil Gas Investigation

Beacon Environmental supplied passive soil gas samplers that were used to assess the potential impacts of chemicals of concern in subsurface soil gas. In accordance with Beacon installation standard operating procedures (SOPs), Roux installed sixty-four (64) passive soil gas samplers (PSG-01 through PSG-64) across the Site between July 24 and 26, 2023. Two weeks after installation, in accordance with Beacon's sampling procedures, on August 8 and 9, 2023, Roux mobilized to the Site to retrieve the samplers from each location. Further details are described in the following subsections.

3.2.1 Passive Soil Gas Sampler Installation

Roux subcontracted BlaineTech of San Jose, California to assist with the installation of the sixty-four (64) Beacon Environmental-supplied passive soil gas samplers. The samplers were installed down to their designated depth using a rotary hammer drill and drill bit. At each location, an approximately 1-1/2-inch diameter hole was drilled through the surfacing to the underlying soils. Sixty-two (62) of the samplers were taken in hardscape areas covered with concrete slab or asphalt ranging from approximately 4- to 12-inches thick. The remaining two samplers (PSG-57 and PSG-58) were installed in areas with surfacing that consisted of 4-inches of soil on top of hardscape. Once through the surfacing, a 1/2-inch diameter drill bit was used to extend the hole a minimum of 3 feet (ft) below the hardscape. The hole was then sleeved with a pre-cleaned, aluminum pipe that was pushed or tapped into the surfacing using a hammer or tapping dowel. Once installed, the bottom of the pipe was approximately 12-inches below ground surface (bgs). The sampler was installed inside the metal pipe and the hole was patched with an aluminum foil plug and a thin concrete patch to effectively protect the sampler. A passive soil gas sampler construction detail is provided in Appendix C.

3.2.2 Passive Soil Gas Sampling

A total of 70 samples were collected, including 6 duplicate samples. Sample collection at each location began upon emplacement of the passive soil gas samplers within each hole. Each sampler was exposed to subsurface gas for 14 to 15 days, typical exposure duration in accordance with Beacon SOPs. Following the exposure period, the samplers were retrieved, packaged, and sealed in accordance with Beacon SOPs. The samplers were then shipped under chain-of-custody protocols to Beacon Environmental for analysis of volatile organic compounds (VOCs) and TPH by EPA Method 8260C. The passive soil gas results are summarized in Table 2 and the laboratory analytical report of results are included in Appendix D.

3.3 Groundwater Investigation

A total of eight (8) groundwater monitoring wells (MW-10 through MW-17) were installed on July 31, 2023. Following installation, the monitoring wells were developed between August 1 and 2, 2023 and sampled on

August 9, 2023. Further details are described in the following subsections and the sampling locations are shown on Figures 4 through 7. Data collected from the newly installed monitoring wells were used to assess current groundwater quality conditions underlying the Site, establish the current groundwater gradient at the Site, and the potential for off-site migration of contaminants in groundwater.

3.3.1 Groundwater Well Installation

Roux subcontracted with a California Well Drilling (C-57) licensed driller, Cascade Drilling (Cascade) of Richmond, California to assist with the installation and development of the groundwater monitoring wells. The wells were installed in general accordance with the 2014 DTSC *Well Design and Construction for Monitoring Groundwater at Contaminated Sites* (Well Design Guidance). At each well location, following coring through the hardscape and hand-augering to 5 feet below ground surface (ft bgs), each borehole was advanced with 8-inch hollow stem augers to depths ranging from 15 to 25 ft bgs, dependent on where the presence of fine-grained unit beneath the first water-bearing zone was observed. Prior to borehole advancement with the 8-inch augers, undisturbed soil samples were collected via a pilot borehole advanced via direct push technology. Soil was continuously logged by an experienced geologist using the Unified Soil Classification System, and this log of soil was used along with previous subsurface information from the existing environmental reports for the Site to guide placement depths of the well screens in consultation with a Professional Geologist. Soils were also screened with a photoionization detector (PID) for VOCs at regular intervals. At each groundwater well location, soil samples were collected every 5 feet until the total depth of the boring was reached. Further details regarding the soil sampling are described in Section 3.3.4.

The monitoring wells were constructed using 2-inch PVC casing with 10 feet of 0.010-inch slotted PVC screen. The screen was surrounded by a filter pack of #2/16 sand, in general accordance with the Well Design Guidance. Approximately 6 inches of #2/16 sand was placed at the bottom of the boring, and sand was continued upward until it extended between zero and 1 foot above the screened interval. Above the sand, 1 to 2 feet of dry bentonite was emplaced then hydrated, and the well was then grouted to the ground surface. At the surface, each monitoring well was constructed with a traffic-rated well box secured at the existing ground surface level. Each monitoring well was then allowed to stabilize for at least 48 hours prior to well development. Construction details and water level gauging data for each well are summarized in Table 1. Boring logs are included in Appendix B.

3.3.2 Groundwater Well Development and Surveying

The wells were developed by Cascade a minimum of 48 hours after installation to allow the seal to set. The monitoring wells were developed by swabbing the well screen in lifts and purging at least 10 purge volumes with a bailer and/or pump in accordance with the Well Design Guidance. Water quality parameters (pH, temperature, specific conductivity, oxidation-reduction potential [ORP], and turbidity) were recorded during well development activities. Monitoring well development forms are included in Appendix A.

Cal Vada Surveying, Inc. of Corona, California, a State-registered surveyor measured the horizontal location and vertical elevation of the top of well casing at each of the monitoring wells and the passive soil gas points following installation, in accordance with the State of California requirements. A summary of elevations is included in Table 1 and a copy of the survey report is included in Appendix E.

3.3.3 Groundwater Well Sampling

At least 24 hours after the development of the wells, on August 9, 2023, Roux retained Blaine Tech to collect groundwater samples from the eight newly installed groundwater monitoring wells. Prior to sample collection,

on August 1, 2023, depth to water (DTW) measurements were collected from each monitoring well to the nearest 0.1 feet using a water level meter. DTW measurements were used to prepare a groundwater elevation map (Figure 6), which indicates that groundwater direction is generally north. While the predominate direction is to the north, there is a high spot/mound on the Site where groundwater flow also appears to exhibit a southerly component.

The sampling was conducted using low flow methodologies to obtain accurate field parameters (i.e., pH, dissolved oxygen, ORP, and conductivity). Parameters were recorded using a YSI ProQuatro. Water quality data collected during sample collection was documented using field forms as shown in Appendix A.

All groundwater samples were analyzed for the following:

- VOCs by United States Environmental Protection Agency (USEPA) Method 8260B;
- TPH-g, TPH as diesel (TPH-d), and TPH as motor oil (TPH-mo) by USEPA Method 8015B;
- California Administrative Manual (CAM) 17 Metals by USEPA 6010B and 7470A (filtered [0.45 micron] and unfiltered);
- Polyaromatic hydrocarbons (PAHs) by USEPA Method 8270C-SIM;
- Polychlorinated biphenyls (PCBs) by USEPA Method 8082;
- Organochlorine Pesticides by USEPA Method 8081A;
- Hexavalent Chromium by USEPA 218.6.

Samples were appropriately labelled, packaged, and placed on ice for submittal under chain-of-custody (COC) protocols to a California-certified laboratory for environmental analyses. A summary of groundwater analytical results is presented in Tables 3 through 7, and Figures 4 and 5, and the laboratory report of the groundwater results is included in Appendix D.

3.3.4 Soil Sampling

At each groundwater well location, Roux collected soil samples every 5 feet until the total depth of the boring was reached. Additional soil samples were collected based on field observations related to PID measurements, and/or the presence of stained or discolored soil at MW-11 (at 14 ft bgs) and at MW-13 (at 3 and 6 ft bgs). To minimize volatilization during transport following sampling, soil samples for VOCs were collected into EnCore-type sample containers in accordance with USEPA Method 5035. Samples were appropriately labelled, packaged, and placed on ice for submittal under COC protocols to Enthalpy Analytical, a California-certified laboratory for environmental analyses.

All soil samples were submitted for the following laboratory analyses:

- VOCs via USEPA Method 8260B (with preservation via USEPA Method 5035);
- TPH-g, TPH-d, and TPH-mo by USEPA Method 8260B and/or 8015; and
- CAM17 Metals via USEPA Method 6020.

Roux documented all installation and sample collection methods and activities using field forms as shown in Appendix A. A summary of soil analytical results is presented in Tables 8 and 9, Figure 7, and the laboratory report of the soil results is included in Appendix D.

3.4 Investigative Derived Waste

Throughout the field portion of the subsurface investigation, investigative derived waste (IDW) was stored in Department of Transportation (DOT) approved 55-gallon drums. The drums were properly sealed and labelled at the end of investigation activities. A total of eighteen (18) drums are temporarily stored on-site pending laboratory analysis of waste characterization. Following receipt of the analytical results, IDWs will be disposed of in accordance with applicable laws upon the generator's selection of the disposal facility, obtaining an USEPA Identification Number (if needed), signing waste manifests, and determining waste characteristics and classification.

3.5 Deviations from Proposed Scope of Work

The following deviations from the proposed scope of work described in the Work Plan occurred during the Investigation:

- Due to access issues, PSG-01 was moved from inside the building to outdoors, approximately 40 feet northwest from its originally proposed location;
- Additional soil samples outside of the 5 ft increments were collected at MW-11 (at 14 ft bgs) and MW-13 (at 3 and 6 ft bgs); and
- Due to groundwater encountered deeper than expected in two monitoring wells during construction, their screened intervals were installed at deeper depths (between 15 to 25 ft bgs at MW-12 and between 10 to 20 ft bgs at MW-13).

4. Investigation Results

The following subsections summarize the analytical results of this Investigation. Analytical data summarized in Tables 2 through 9 present the results for VOCs and TPH in passive soil gas (Table 2); metals, VOCs, TPH, PAHs, pesticides, and polychlorinated biphenyls (PCBs) in groundwater (Tables 3 through 7); and metals, TPH and VOCs in soil (Tables 8 and 9).

All detections reported in passive soil gas, groundwater and soil have been compared to their respective ESLs (RWQCB, 2019) as follows. Passive soil gas sample results were screened against the ESLs for potential vapor intrusion risk for commercial/industrial land use. Soil sample results were compared to ESLs for direct contact for commercial/industrial exposure scenarios. Arsenic results in soil were compared to background arsenic concentrations in the region (Duvergé, 2011). Groundwater sample results were compared to the Direct Exposure Human Health Risk Maximum Contaminant Level (MCL) Priority ESLs, with volatile groundwater constituents additionally compared to the Groundwater Vapor Intrusion Human Health Risk Levels for Commercial/Industrial development. Laboratory analytical reports are included in Appendix D.

4.1 Passive Soil Gas Analytical Results

The results of the 64 passive soil gas samples collected are presented in Table 2 and Figure 3, and the laboratory report of the passive soil gas analytical results is included in Appendix D. Below is a summary of the compounds that exceeded RWQCB Commercial/Industrial ESLs.

PCE was detected in twenty-seven (27) of the 64 samples ranging from 1.14 µg/m^3 (PSG-27) to 1,170 µg/m^3 (PSG-25). Of the 27 samples, eight exceeded the RWQCB Commercial/Industrial ESL of 67 µg/m^3. Exceedances of PCE in passive soil gas are shown in Figure 3 and a heat map provided by Beacon is included in Appendix F.

TCE was detected in sixteen (16) of the 64 samples ranging from 1.49 µg/m^3 (PSG-49) to 3,920 µg/m^3 (PSG-62). Of the 16 samples, four exceeded the RWQCB's Commercial/Industrial ESL of 100 µg/m^3 (PSG-25, PSG-25-Dup, PSG-41, and PSG-62). Exceedances of TCE in passive soil gas are shown in Figure 3 and a heat map provided by Beacon is included in Appendix F.

Benzene was detected in fifty-four (54) of the 64 samples ranging from 2.28 µg/m^3 (PSG-15) to 125 µg/m^3 (PSG-25-Dup). Of the 54 samples, eighteen exceeded the RWQCB's Commercial/Industrial ESL of 14 µg/m^3, with the greatest exceedances of 125 µg/m^3 and 100 µg/m^3 being detected at PSG-25-Dup and PSG-61 respectively. Exceedances of benzene in passive soil gas are shown in Figure 3 and a heat map provided by Beacon is included in Appendix F.

1,4-Dioxane was detected in eight of the 64 samples ranging from 1.56 µg/m^3 (PSG-24) to 110 µg/m^3 (PSG-59). Of the eight samples, two (PSG-22 and PSG-59) exceeded the RWQCB's Commercial/Industrial ESL of 53 µg/m^3, with concentrations of 77.5 µg/m^3 and 110 µg/m^3 respectively. Exceedances of 1,4-dioxane in passive soil gas are shown in Figure 3.

Naphthalene was detected in twenty-three (23) of the 64 samples ranging from 1.75 µg/m^3 (PSG-30) to 188 µg/m^3 (PSG-11). Of the 23 samples, two (PSG-11 and PSG-31) exceeded the RWQCB's Commercial/Industrial ESL of 12 µg/m^3, with concentrations of 31.5 µg/m^3 and 188 µg/m^3 respectively. Exceedances of naphthalene in passive soil gas are shown in Figure 3.

No other compounds were detected above their respective Commercial/Industrial ESLs.

4.2 Groundwater Analytical Results

The results of the eight (8) groundwater samples collected are presented in Tables 3 through 7. A laboratory report of the groundwater analytical results is included in Appendix D. Metals exceeding their Commercial/Industrial ESLs are shown in Figure 4. Volatile constituents exceeding their respective California MCLs and Commercial/Industrial ESLs are shown in Figure 5.

Metals

The following is a list of metals that exceeded their respective MCLs in unfiltered samples:

- Arsenic was detected in MW-10 and MW-11 at a concentration of 31 µg/L and 39 µg/L, respectively, exceeding its MCL of 11 µg/L;
- Barium was detected in MW-10 and MW-11 at a concentration of 1,100 µg/L and 1,600 µg/L, respectively, exceeding its MCL of 1,000 µg/L;
- Chromium was detected in MW-10 and MW-11 at a concentration of 2,700 µg/L and 440 µg/L, respectively, exceeding its MCL of 10 µg/L;
- Cobalt was detected in MW-10, MW-11 and MW-14 at a concentration of 58 µg/L, 120 µg/L, and 6.1 µg/L, respectively, exceeding its MCL of 6.0 µg/L;
- Lead was detected in MW-10 and MW-11 at a concentration of 64 µg/L and 88 µg/L, respectively, exceeding its MCL of 15 µg/L;
- Nickel was detected in MW-10 and MW-11 at a concentration of 330 µg/L and 460 µg/L, respectively, exceeding its MCL of 100 µg/L;

Of the filtered samples, only arsenic exceeded its MCL of 11 µg/L in MW-10 (at a concentration of 15 µg/L) and in MW-11 (at a concentration of 12 µg/L). No other metals analyzed in the filtered samples exceeded their respective MCLs.

VOCs, TPHs, and PAHs

The following is a list of compounds that exceeded their respective MCLs or Commercial/Industrial ESLs:

- 1,1-dichloroethene was detected in MW-12 at a concentration of 200 µg/L, exceeding the MCL of 6 µg/L;
- Vinyl chloride was detected in MW-12 at a concentration of 2.9 µg/L, exceeding the Commercial/Industrial ESL of 0.5 µg/L;
- 1,2-dichloroethane was detected in MW-11 at a concentration of 0.8 µg/L, exceeding the MCL of 0.5 µg/L;
- Naphthalene was detected in MW-11 at a concentration of 4.2 µg/L, exceeding the MCL of 0.17 µg/L;
- TPH-g was detected in MW-11 at a concentration of 1,100 µg/L, exceeding the MCL of 759 µg/L; and
- TPH-d was detected in MW-13, MW-16 and MW-17 at concentrations of 240 µg/L, 700 µg/L, and 240 µg/L respectively, exceeding the MCL of 200 µg/L.

No other analytes, including pesticides and PCBs were detected above their respective California MCLs or Commercial/Industrial ESLs.

4.3 Soil Analytical Results

The results of the thirty (30) soil samples collected are presented in Tables 8 and 9, Figure 7, and the laboratory reports of the soil analytical results are included in Appendix D.

The following is a list of compounds that exceeded their respective Commercial/Industrial ESLs or established background levels:

- Arsenic was detected in MW-12 at depth 25 ft at a concentration of 16 milligrams per kilogram (mg/kg), in MW-13 at depth 3 ft at 65 mg/kg, in MW-13 at depth 5 ft at 15 mg/kg, and in MW-16 at depth 5 ft at 13 mg/kg, all of which exceed the background level of 11 mg/kg;
- Lead was detected in MW-16 at a depth of 5 ft bgs at a concentration of 630 mg/kg, exceeding the Commercial/Industrial ESL of 320 mg/kg;
- TPH-d was detected only in MW-13 (at depths 3 ft bgs, 5 ft bgs, 6 ft bgs, and 10 ft bgs), at concentrations of 3,400 mg/kg, 1,400 mg/kg, 3,200 mg/kg and 1,900 mg/kg, respectively, exceeding the Commercial/Industrial ESL of 1,200 mg/kg.

No other compounds were detected above their respective Commercial/Industrial ESLs.

4.4 Quality Assurance/Quality Control

An internal data validation review of the analytical results was performed to assess data quality, uncertainty and bias, which included reviewing all laboratory receiving information, sample conditions, COC forms, reporting units and required sensitivity, holding times, and sample-related QC such as method blanks, laboratory control sample, duplicate and spike results in accordance with USEPA guidance (USEPA, 2020). During this process, Roux determined that no data were noted as invalid or unusable.

Quality control checks for both laboratory and field data were performed. A total of six (6) passive soil gas field duplicate samples were analyzed to check for sampling and analytical reproducibility. Additionally, one trip blank was provided by the lab with the passive soil gas samplers during shipment to detect potential contamination introduced during the shipping process.

4.4.1 Duplicates

Duplicate samples were collected at a minimum of one per ten passive soil gas samples collected. A total of six (6) PSG duplicate samples (PSG-15-Dup, PSG-20-Dup, PSG-25-Dup, PSG-35-Dup, PSG-43-Dup, and PSG-61-Dup) were collected and analyzed to check for sampling and analytical reproducibility. All detected compounds had estimated relative percent differences (RPDs) of less than 50%, with the exceptions of trans-1,2-Dichloroethene (1,2-DCE) in PSG-25-Dup which had an RPD of 58.3%, and PCE in PSG-35-Dup which had an RPD of 62.4%. A review of the laboratory's quality control narrative indicates there was matrix interference that caused the sample surrogate recovery to be outside control limits. This data has been qualified as estimated. All other duplicate compounds were within an acceptable allowance of differences from primary samples, per the Soil Gas Advisory (DTSC, 2015). Duplicate sample results of passive soil gas are presented in Table 2.

5. Conclusions and Recommendations

The results and findings of the Investigation provide data sufficient to guide additional site characterization activities to further define the extent of subsurface impacts to soil, soil gas and groundwater. As described below, Roux concludes and recommends the following.

5.1 Passive Soil Gas

The exceedances of ESLs for PCE, TCE, benzene, 1,1-dichloroethane (1,1-DCA), 1,4-dioxane and naphthalene warrant further delineation of these VOCs in passive soil gas at the Site, particularly in the following focused areas:

- Southwest of the former 550-gallon gasoline UST and its former fuel dispenser (at PSG-10);
- Northeast of the former 1,000-gallon diesel above ground storage tank (AST) and engineering shop (at PSG-25);
- West of the wastewater treatment plant (at PSG-62); and
- At the special finishing storage facility (at PSG-41).

Roux recommends that a supplemental step-out characterization (using a 25x25-foot grid) be conducted at each of these locations for VOCs. Further details regarding the scope of the work, including the sampling and analysis plan will be provided in a forthcoming memo as discussed in Section 5.5. This additional data will be used to inform the placement of soil borings and sample collection to sufficiently delineate the focused areas. Furthermore, Roux also recommends an assessment of active soil gas and bioattenuation through the installation of soil vapor probes at these locations to further analyze the extent of potential vapor intrusion in soil gas beneath the Site.

5.2 Groundwater

Depth to water data measurements indicate that groundwater direction is generally north, with a southerly component, as depicted in Figure 6.

TPH-d exceedances were observed in the areas of the sand storage facility (MW-17), eastern material storage yard area (MW-13), and the former 1,000-gallon diesel AST (MW-16). TPH-g, 1,2-DCA and naphthalene exceedances were observed in the northeastern storage yard (MW-11). Exceedances of 1,1-DCE and vinyl chloride were observed by the former 8,000-gallon gasoline UST located at the eastern end of the Site (MW-12).

Exceedances of unfiltered metals (arsenic, barium, chromium, cobalt, lead, and nickel) were observed in the areas of the sand storage facility (MW-17) and in the storage yard located at the northwest and northern end of the Site (MW-10). Exceedance of unfiltered cobalt was also observed at the southeastern end of the Site and within the material storage yard (MW-14). Of the unfiltered metals, only filtered arsenic exceeded MCLs in MW-10 and MW-17 which are likely due to background sources. Given this, continued analysis of metals is not warranted.

Based on these results, additional monitoring of the well installation is not warranted at this time. Further, because PAHs, pesticides and PCBs were not detected in groundwater, future sampling will be limited to VOCs, TPH and metals. The existing monitoring wells will be sampled quarterly as discussed in Section 5.5 with the next round scheduled for November 2023.

5.3 Soil

Of the 30 soil samples analyzed for arsenic, four were detected above background concentrations (Duvergé, 2011), with only one significant exceedance observed in MW-13 (65 mg/kg at 3 ft bgs at the former material storage yard). Given the low concentrations and depth of arsenic exceedances primarily within the top 5 ft of soil, it is not likely due to the result of a chemical release.

Lead exceedance was also observed west of the former 1,000-gallon diesel AST (MW-16).

TPH-d exceedances were observed in the material storage yard (MW-13) within shallow topsoil (down to 10 ft bgs).

Roux recommends additional soil investigation be conducted based on hot spot delineation and focused areas of expected soil disturbances during redevelopment.

5.4 Proposed Next Phase of Work

Based on the results of the Investigation summarized herein, there are sufficient data to conduct further characterization of chemicals of potential concern (COPCs) at the Site and assess potential remediation objectives. A workplan to further delineate passive soil gas and characterize active soil gas impacts will be prepared and submitted to ACDEH. The workplan will include additional soil sampling to be conducted subsequent to the soil vapor probe installations.

The groundwater monitoring wells will be sampled and analyzed for VOCs, TPH and metals on a quarterly basis for three quarters, as previously requested by ACDEH. Quarterly reports will be prepared to summarize sampling procedures, depth to water levels, groundwater flow direction and analytical results. Quarterly reports will be submitted to ACDEH via electronic mail and uploaded to GeoTracker.

6. References

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TABLES

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Table 1
Well Construction Details and Water Level Gauging Data
AB&I Redevelopment
7825 San Leandro Street, Oakland, California

Monitoring Well ID	Total Depth (ft bgs)	Well Diameter (inches)	Solid Casing Interval (ft bgs)	Screened Interval (ft bgs)	Top of Casing (ft, amsl)	Depth to Water[1] (ft, btoc)	Groundwater Elevation (ft, amsl)
MW-10	15	2	0-5	5-15	24.01	6.97	17.04
MW-11	15	2	0-5	5-15	24.48	7.52	16.96
MW-12	25	2	0-15	15-25	25.42	8.53	16.89
MW-13	20	2	0-10	10-20	24.37	5.95	18.42
MW-14	15	2	0-5	5-15	23.07	4.7	18.37
MW-15	15	2	0-5	5-15	22.54	5.01	17.53
MW-16	15	2	0-5	5-15	24.86	6.28	18.58
MW-17	15	2	0-5	5-15	23.89	5.17	18.72

Notes:

ft bgs = feet below ground surface

amsl = above mean sea level

btoc = below top of casing in feet above mean sea level

[1] guaging data collected on August 1, 2023.

Table 2
Passive Soil Gas Analytical Results
AB&I Redevelopment
7825 San Leandro Street, Oakland, California

Sample ID[1]	Sample Collection Start Date	Sample Collection End Date	TPH		VOCs																
			TPH-Gasoline µg/m³	TPH-Diesel µg/m³	Tetrachloroethene (PCE) µg/m³	Trichloroethene (TCE) µg/m³	Benzene µg/m³	1,1-Dichloroethane (1,1-DCA) µg/m³	1,4-Dioxane µg/m³	Naphthalene µg/m³	1,1,1,2-Tetrachloroethane µg/m³	1,1,1-Trichloroethane µg/m³	1,1,2-Trichloroethane µg/m³	1,1,2-Trichlorotrifluoroethane µg/m³ (Freon 113)	1,1-Dichloroethene µg/m³	1,2,3-Trichlorobenzene µg/m³	1,2,3-Trichloropropane µg/m³	1,2,4-Trichlorobenzene µg/m³	1,2,4-Trimethylbenzene µg/m³	1,2-Dibromoethane µg/m³	1,2-Dichlorobenzene µg/m³
Commercial/Industrial ESLs[2]			*8.3E+04*	*3.7E+04*	*6.7E+01*	*1.0E+02*	*1.4E+01*	*2.6E+02*	*5.3E+01*	*1.2E+01*	*5.5E+01*	*1.5E+05*	*2.6E+01*	--	*1.0E+04*	--	*4.4E+01*	*2.9E+02*	--	*6.8E-01*	*2.9E+04*
Trip 1	--	--	<387	<331	<1.11	<1.38	<2.16	<0.54	<1.11	<1.43	<1.11	<0.44	<1.38	<0.51	<1.38	<1.17	<0.61	<1.17	<1.38	<0.59	<0.61
PSG-01	07/24/23	08/08/23	<392	<335	<1.13	<1.40	<2.18	<0.54	<1.13	<1.45	<1.13	<0.44	<1.40	<0.52	<1.40	<1.19	<0.62	<1.19	<1.39	<0.59	<0.62
PSG-02	07/24/23	08/08/23	<392	**887**	<1.13	<1.40	**5.67**	<0.54	<1.13	<1.45	<1.13	<0.44	<1.40	<0.52	<1.40	<1.19	<0.62	<1.19	**1.59**	<0.59	<0.62
PSG-03	07/25/23	08/08/23	<416	**959**	<1.20	<1.49	**3.8**	<0.58	<1.20	<1.53	<1.20	<0.47	<1.49	<0.55	<1.49	<1.26	<0.65	<1.26	<1.48	<0.63	<0.65
PSG-04	07/25/23	08/08/23	<415	**400**	<1.20	<1.49	**4.41**	<0.58	<1.20	<1.53	<1.20	<0.47	<1.49	<0.55	<1.49	<1.26	<0.65	<1.26	<1.48	<0.63	<0.65
PSG-05	07/24/23	08/08/23	**884**	**6,550**	<1.14	<1.41	**7.57**	<0.55	<1.14	**1.84**	<1.14	<0.44	<1.41	<0.52	<1.41	<1.20	<0.62	<1.20	**4.6**	<0.60	<0.62
PSG-06	07/24/23	08/08/23	**4,120**	**26,000**	<1.14	<1.41	**15.3**	<0.55	<1.14	**4.65**	<1.14	<0.44	<1.41	<0.52	<1.41	<1.20	<0.62	<1.20	<1.41	<0.60	<0.62
PSG-07	07/24/23	08/08/23	<396	**1,130**	<1.14	<1.41	**4.07**	<0.55	<1.14	<1.46	<1.14	<0.44	<1.41	<0.52	<1.41	<1.20	<0.62	<1.20	<1.41	<0.60	<0.62
PSG-08	07/24/23	08/08/23	<396	**873**	<1.14	<1.42	**6.07**	**2.79**	<1.14	**2.07**	<1.14	<0.44	<1.42	<0.52	**2.09**	<1.20	<0.62	<1.20	**1.72**	<0.60	<0.62
PSG-09	07/26/23	08/09/23	<420	**431**	**30.7**	<1.50	<2.34	<0.58	<1.21	<1.55	<1.21	**0.48**	<1.50	<0.56	<1.50	<1.27	<0.66	<1.27	<1.49	<0.64	<0.66
PSG-10	07/26/23	08/09/23	**657**	**1,990**	**427**	**33.5**	**4.25**	<0.58	<1.21	**5.53**	<1.21	**1.38**	<1.50	<0.56	**2.97**	<1.27	<0.66	<1.27	<1.49	<0.64	<0.66
PSG-11	07/26/23	08/09/23	**14,500**	**21,500**	**1.65**	<1.50	**15.4**	<0.58	<1.21	**188**	<1.21	<0.47	<1.50	<0.56	<1.50	<1.27	<0.66	<1.27	**68**	<0.64	<0.66
PSG-12	07/26/23	08/09/23	<415	**789**	<1.19	<1.48	<2.31	<0.58	<1.19	<1.53	<1.19	**2.42**	<1.48	<0.55	**1.71**	<1.25	<0.65	<1.25	<1.47	<0.63	<0.65
PSG-13	07/26/23	08/09/23	**4,320**	**4,690**	<1.19	<1.48	**18.1**	<0.58	<1.19	<1.53	<1.19	**1.24**	<1.48	<0.55	<1.48	<1.25	<0.65	<1.25	<1.47	<0.63	<0.65
PSG-14	07/24/23	08/08/23	<393	**801**	**1.84**	<1.40	**4.77**	<0.55	<1.13	<1.45	<1.13	<0.44	<1.40	<0.52	<1.40	<1.19	<0.62	<1.19	**1.44**	<0.59	<0.62
PSG-15	07/24/23	08/08/23	<393	**354**	**8.86**	<1.40	**2.28**	<0.55	<1.13	<1.45	<1.13	<0.44	<1.40	<0.52	<1.40	<1.19	<0.62	<1.19	<1.40	<0.59	<0.62
PSG-15-Dup	07/24/23	08/08/23	<393	<336	**5.91**	<1.40	<2.19	<0.55	<1.13	<1.45	<1.13	<0.44	<1.40	<0.52	<1.40	<1.19	<0.62	<1.19	<1.40	<0.59	<0.62
PSG-16	07/26/23	08/09/23	<420	**652**	<1.21	<1.50	<2.34	<0.58	<1.21	<1.55	<1.21	<0.47	<1.50	<0.56	<1.50	<1.27	<0.66	<1.27	**4.85**	<0.64	<0.66
PSG-17	07/26/23	08/09/23	<420	<359	**7.27**	<1.50	<2.34	<0.58	<1.21	<1.55	<1.21	**0.5**	<1.50	<0.56	<1.50	<1.27	<0.66	<1.27	<1.49	<0.64	<0.66
PSG-18	07/24/23	08/08/23	<396	**936**	<1.14	<1.41	**5.09**	<0.55	<1.14	<1.46	<1.14	<0.44	<1.41	<0.52	<1.41	<1.20	<0.62	<1.20	<1.41	<0.60	<0.62
PSG-19	07/24/23	08/08/23	<396	**6,060**	<1.14	<1.42	**3.24**	<0.55	<1.14	**2.35**	<1.14	<0.44	<1.42	<0.52	<1.42	<1.20	<0.62	<1.20	**3.5**	<0.60	<0.62
PSG-20	07/25/23	08/08/23	**565**	**3,350**	<1.20	<1.49	**6**	<0.58	<1.20	<1.53	<1.20	<0.47	<1.49	<0.55	<1.49	<1.26	<0.65	<1.26	<1.48	<0.63	<0.65
PSG-20-Dup	07/25/23	08/08/23	**527**	**3,070**	<1.20	<1.49	**5.61**	<0.58	<1.20	<1.53	<1.20	<0.47	<1.49	<0.55	<1.49	<1.26	<0.65	<1.26	<1.48	<0.63	<0.65
PSG-21	07/25/23	08/08/23	**874**	**2,680**	<1.20	<1.48	**6.77**	**4.84**	<1.20	**1.76**	<1.20	<0.47	<1.48	<0.55	<1.48	<1.26	<0.65	<1.26	**2.44**	<0.63	<0.65
PSG-22	07/26/23	08/09/23	**20,400**	**2,850**	<1.21	<1.50	**11.7**	**336**	**77.5**	<1.55	<1.21	**110**	<1.50	<0.56	**438**	<1.27	<0.66	<1.27	<1.49	<0.64	<0.66
PSG-23	07/26/23	08/09/23	<420	<359	<1.21	<1.50	**3.14**	**0.82**	<1.21	<1.55	<1.21	**0.73**	<1.50	<0.56	**2.14**	<1.27	<0.66	<1.27	<1.49	<0.64	<0.66
PSG-24	07/26/23	08/09/23	<420	**534**	**11**	<1.50	**3.72**	<0.58	**1.56**	<1.55	<1.21	**2.56**	<1.50	<0.56	**1.91**	<1.27	<0.66	<1.27	<1.49	<0.64	<0.66
PSG-25	07/25/23	08/08/23	**6,980**	**2,360**	**1,170**	**689**	**79**	<0.58	<1.20	<1.54	<1.20	<0.47	<1.49	<0.55	**4.31**	<1.26	<0.66	<1.26	**3.69**	<0.63	<0.66
PSG-25-Dup	07/25/23	08/08/23	**12,700**	**2,740**	**1,110**	**584**	**125**	<0.58	<1.20	<1.54	<1.20	<0.47	<1.49	<0.55	**2.83**	<1.26	<0.66	<1.26	**2.96**	<0.63	<0.66
PSG-26	07/25/23	08/08/23	**3,940**	**1,210**	**5.16**	<1.49	**8.22**	<0.58	<1.20	<1.54	<1.20	<0.47	<1.49	<0.55	<1.49	<1.26	<0.66	<1.26	**3.79**	<0.63	<0.66
PSG-27	07/24/23	08/08/23	<393	**336**	**1.14**	<1.41	<2.19	<0.55	<1.13	<1.45	<1.13	<0.44	<1.41	<0.52	<1.41	<1.19	<0.62	<1.19	**8.04**	<0.59	<0.62
PSG-28	07/25/23	08/08/23	<417	**421**	**10**	<1.49	**2.72**	<0.58	<1.20	<1.54	<1.20	<0.47	<1.49	<0.55	<1.49	<1.26	<0.66	<1.26	**5.41**	<0.63	<0.66
PSG-29	07/25/23	08/08/23	**2,670**	**1,860**	<1.20	<1.49	<2.32	<0.58	<1.20	**3.97**	<1.20	<0.47	<1.49	<0.55	<1.49	<1.26	<0.66	<1.26	**71.5**	<0.63	<0.66
PSG-30	07/25/23	08/09/23	<387	**4,290**	<1.11	<1.38	**6.97**	<0.54	<1.11	**1.75**	<1.11	<0.44	<1.38	<0.51	<1.38	**12.2**	<0.61	**30.6**	**3.12**	<0.59	<0.61
PSG-31	07/25/23	08/08/23	**4,800**	**30,300**	<1.20	<1.49	**23.9**	**9.34**	<1.20	**31.5**	<1.20	<0.47	<1.49	<0.55	**6.71**	<1.26	<0.65	<1.26	<1.48	<0.63	<0.65
PSG-32	07/25/23	08/08/23	**2,090**	**5,700**	<1.20	**3.55**	**29**	**2.36**	<1.20	**3.97**	<1.20	<0.47	<1.49	<0.55	**4.23**	<1.26	<0.65	<1.26	**1.74**	<0.63	<0.65
PSG-33	07/25/23	08/08/23	**481**	**878**	**7.55**	**1.69**	**8.25**	**2.15**	<1.20	<1.53	<1.20	<0.47	<1.49	<0.55	<1.49	<1.26	<0.65	<1.26	**2.56**	<0.63	<0.65
PSG-34	07/26/23	08/09/23	<420	<359	<1.21	<1.50	<2.34	**4.23**	<1.21	**2.33**	<1.21	**7.48**	<1.50	<0.56	**14.5**	<1.27	<0.66	<1.27	<1.49	<0.64	<0.66

Table 2
Passive Soil Gas Analytical Results
AB&I Redevelopment
7825 San Leandro Street, Oakland, California

Sample ID[1]	Sample Collection Start Date	Sample Collection End Date	TPH		VOCs																
			TPH-Gasoline µg/m³	TPH-Diesel µg/m³	Tetrachloroethene (PCE) µg/m³	Trichloroethene (TCE) µg/m³	Benzene µg/m³	1,1-Dichloroethane (1,1-DCA) µg/m³	1,4-Dioxane µg/m³	Naphthalene µg/m³	1,1,1,2-Tetrachloroethane µg/m³	1,1,1-Trichloroethane µg/m³	1,1,2-Trichloroethane µg/m³	1,1,2-Trichlorotrifluoroethane µg/m³ (Freon 113)	1,1-Dichloroethene µg/m³	1,2,3-Trichlorobenzene µg/m³	1,2,3-Trichloropropane µg/m³	1,2,4-Trichlorobenzene µg/m³	1,2,4-Trimethylbenzene µg/m³	1,2-Dibromoethane µg/m³	1,2-Dichlorobenzene µg/m³
Commercial/Industrial ESLs[2]			*8.3E+04*	*3.7E+04*	*6.7E+01*	*1.0E+02*	*1.4E+01*	*2.6E+02*	*5.3E+01*	*1.2E+01*	*5.5E+01*	*1.5E+05*	*2.6E+01*	*--*	*1.0E+04*	*--*	*4.4E+01*	*2.9E+02*	*--*	*6.8E-01*	*2.9E+04*
PSG-35	07/26/23	08/09/23	**5,970**	**3,950**	**14.7**	**3.11**	**16.7**	<0.58	<1.21	**2.79**	<1.21	**13.9**	<1.50	<0.56	<1.50	<1.27	<0.66	<1.27	**3.99**	<0.63	<0.66
PSG-35-Dup	07/26/23	08/09/23	**4,990**	**3,170**	**7.68**	**3.42**	**14.9**	<0.58	<1.21	**2.75**	<1.21	**9.37**	<1.50	<0.56	**2.28**	<1.27	<0.66	<1.27	**4.03**	<0.63	<0.66
PSG-36	07/26/23	08/09/23	**13,000**	**4,660**	**13.8**	**36.4**	**38**	<0.58	<1.21	**6.81**	<1.21	<0.47	<1.50	<0.56	**20.3**	**2.18**	<0.66	<1.27	**30.9**	<0.64	**1.52**
PSG-37	07/25/23	08/08/23	**427**	**613**	<1.20	<1.50	**6.51**	**0.86**	<1.20	<1.54	<1.20	**0.98**	<1.50	<0.56	**1.57**	<1.27	<0.66	<1.27	<1.49	<0.63	<0.66
PSG-38	07/25/23	08/08/23	**1,900**	**3,550**	<1.20	<1.49	**10.6**	<0.58	<1.20	**2.04**	<1.20	**0.81**	<1.49	<0.55	<1.49	<1.26	<0.66	<1.26	**6.09**	<0.63	<0.66
PSG-39	07/24/23	08/08/23	<393	<336	<1.13	<1.41	**7.85**	<0.55	<1.13	<1.45	<1.13	<0.44	<1.41	<0.52	<1.41	<1.19	<0.62	<1.19	**1.8**	<0.60	<0.62
PSG-40	07/26/23	08/09/23	<420	<359	<1.21	**1.62**	<2.34	<0.58	<1.21	<1.55	<1.21	<0.47	<1.50	<0.56	<1.50	<1.27	<0.66	<1.27	<1.49	<0.64	<0.66
PSG-41	07/26/23	08/09/23	<420	<359	<1.21	**915**	<2.34	<0.58	<1.21	<1.55	<1.21	<0.47	<1.50	<0.56	**3.88**	<1.27	<0.66	<1.27	<1.49	<0.64	<0.66
PSG-42	07/26/23	08/09/23	<420	<359	**32**	**14.6**	<2.34	<0.58	<1.21	<1.55	<1.21	**1.57**	<1.50	<0.56	<1.50	<1.27	<0.66	<1.27	<1.49	<0.64	<0.66
PSG-43	07/26/23	08/09/23	<420	<359	<1.21	<1.50	<2.34	<0.58	<1.21	<1.55	<1.21	<0.47	<1.50	<0.56	<1.50	<1.27	<0.66	<1.27	<1.49	<0.64	<0.66
PSG-43-Dup	07/26/23	08/09/23	<420	<359	<1.21	<1.50	<2.34	<0.58	<1.21	<1.55	<1.21	<0.47	<1.50	<0.56	<1.50	<1.27	<0.66	<1.27	<1.49	<0.64	<0.66
PSG-44	07/25/23	08/08/23	<415	**855**	<1.19	<1.48	**3.57**	<0.58	<1.19	<1.53	<1.19	<0.47	<1.48	<0.55	<1.48	<1.26	<0.65	<1.26	<1.48	<0.63	<0.65
PSG-45	07/25/23	08/08/23	**1,400**	**3,750**	<1.20	<1.49	**41.8**	<0.58	<1.20	**7.99**	<1.20	<0.47	<1.49	<0.55	<1.49	<1.26	<0.65	<1.26	**32.8**	<0.63	<0.65
PSG-46	07/25/23	08/08/23	**4,300**	**5,280**	<1.20	<1.49	**42.2**	<0.58	<1.20	**3.53**	<1.20	<0.47	<1.49	<0.55	<1.49	<1.26	<0.65	<1.26	**10.8**	<0.63	<0.65
PSG-47	07/26/23	08/09/23	**1,320**	**1,730**	**1.91**	<1.50	**4.11**	<0.58	<1.21	<1.55	<1.21	<0.47	<1.50	<0.56	<1.50	<1.27	<0.66	<1.27	<1.49	<0.64	<0.66
PSG-48	07/26/23	08/09/23	**1,690**	**1,010**	**1.52**	<1.50	<2.34	<0.58	<1.21	<1.55	<1.21	**0.62**	<1.50	<0.56	<1.50	<1.27	<0.66	<1.27	**16**	<0.64	<0.66
PSG-49	07/26/23	08/09/23	**6,840**	**20,300**	**1.3**	**1.49**	**6.67**	**0.98**	**2.77**	**2.24**	<1.20	<0.47	<1.49	<0.55	<1.49	<1.26	<0.66	<1.26	<1.48	<0.63	<0.66
PSG-50	07/26/23	08/09/23	<420	**620**	<1.21	<1.50	**2.78**	**8.95**	<1.21	<1.55	<1.21	**128**	<1.50	<0.56	**161**	<1.27	<0.66	<1.27	<1.49	<0.64	<0.66
PSG-51	07/25/23	08/08/23	<417	**702**	**1.29**	<1.49	**3.11**	**1.31**	<1.20	<1.54	<1.20	**131**	<1.49	<0.55	**184**	<1.26	<0.66	<1.26	**2.38**	<0.63	<0.66
PSG-52	07/25/23	08/08/23	**777**	**1,130**	<1.20	**1.52**	**22.9**	**19.3**	<1.20	**2.3**	<1.20	<0.47	<1.49	<0.55	**3.92**	<1.26	<0.66	<1.26	**4.78**	<0.63	<0.66
PSG-53	07/24/23	08/08/23	<395	**651**	<1.14	<1.41	**26**	**2.63**	<1.14	<1.46	<1.14	**1.72**	<1.41	<0.52	<1.41	<1.19	<0.62	<1.19	<1.40	<0.60	<0.62
PSG-54	07/24/23	08/08/23	<395	**462**	<1.14	<1.41	**9.48**	**40.4**	**4.14**	<1.46	<1.14	**21.1**	<1.41	<0.52	**22.4**	<1.19	<0.62	<1.19	<1.40	<0.60	<0.62
PSG-55	07/24/23	08/08/23	**1,260**	**431**	<1.14	<1.41	**6.46**	**6.45**	<1.14	<1.46	<1.14	<0.44	<1.41	<0.52	**1.56**	<1.19	<0.62	<1.19	<1.40	<0.60	<0.62
PSG-56	07/24/23	08/08/23	<395	**582**	<1.14	<1.41	**4.78**	<0.55	<1.14	<1.46	<1.14	<0.44	<1.41	<0.52	<1.41	<1.19	<0.62	<1.19	<1.40	<0.60	<0.62
PSG-57	07/25/23	08/08/23	**3,630**	**902**	<1.20	<1.49	**22.4**	**17.2**	<1.20	<1.53	<1.20	**10.6**	<1.49	<0.55	**3.81**	<1.26	<0.65	<1.26	**7.49**	<0.63	<0.65
PSG-58	07/25/23	08/08/23	<416	**643**	<1.20	<1.49	**17.4**	**1.09**	<1.20	<1.53	<1.20	**3.42**	<1.49	<0.55	**1.77**	<1.26	<0.65	<1.26	**5.27**	<0.63	<0.65
PSG-59	07/25/23	08/08/23	<416	**1,090**	**8.53**	<1.49	**5.63**	**72.9**	**110**	<1.53	<1.20	**5.35**	<1.49	<0.55	**2.29**	<1.26	<0.65	<1.26	<1.48	<0.63	<0.65
PSG-60	07/26/23	08/09/23	<418	<358	**40.1**	<1.50	**7.11**	<0.58	<1.20	<1.54	<1.20	<0.47	<1.50	<0.55	<1.50	<1.27	<0.66	<1.27	<1.49	<0.63	<0.66
PSG-61	07/25/23	08/08/23	**4,390**	**3,460**	<1.20	**1.71**	**100**	**19.1**	**10.3**	**6.43**	<1.20	**3.19**	<1.49	<0.55	**3.18**	<1.26	<0.65	<1.26	**39.2**	<0.63	<0.65
PSG-61-Dup	07/25/23	08/08/23	**3,800**	**3,230**	<1.20	<1.49	**78.7**	**17.8**	**9.44**	**6.27**	<1.20	**2.95**	<1.49	<0.55	**3.58**	<1.26	<0.65	<1.26	**41.4**	<0.63	<0.65
PSG-62	07/25/23	08/08/23	**7,030**	**25,100**	**43**	**3,920**	**9.55**	<0.58	<1.20	**1.92**	<1.20	<0.47	<1.49	<0.55	**25.1**	<1.26	<0.65	<1.26	**2.64**	<0.63	<0.65
PSG-63	07/25/23	08/08/23	<417	**1,080**	**7.03**	**5.39**	**3.59**	<0.58	**2.64**	<1.54	<1.20	**1.15**	<1.49	<0.55	**2.73**	<1.26	<0.66	<1.26	<1.48	<0.63	<0.66
PSG-64	07/25/23	08/08/23	<417	**758**	**1.28**	<1.49	<2.32	<0.58	<1.20	<1.54	<1.20	<0.47	<1.49	<0.55	<1.49	<1.26	<0.66	<1.26	<1.48	<0.63	<0.66

Table 2
Passive Soil Gas Analytical Results
AB&I Redevelopment
7825 San Leandro Street, Oakland, California

Sample ID[1]	Sample Collection Start Date	Sample Collection End Date	VOCs																	
			1,2-Dichloroethane µg/m³	1,3,5-Trimethylbenzene µg/m³	1,3-Dichlorobenzene µg/m³	1,4-Dichlorobenzene µg/m³	2-Methylnaphthalene µg/m³	Carbon Tetrachloride µg/m³	Chlorobenzene µg/m³	Chloroform µg/m³	cis-1,2-Dichloroethene µg/m³	Ethylbenzene µg/m³	Isopropylbenzene µg/m³	Methylene chloride µg/m³	Methyl-t-butyl ether (MTBE) µg/m³	o-Xylene µg/m³	p,m-Xylene µg/m³	Toluene µg/m³	trans-1,2-Dichloroethene µg/m³	Vinyl Chloride µg/m³
Commercial/Industrial ESLs[2]			*1.6E+01*	--	--	*3.7E+01*	--	*6.8E+01*	*7.3E+03*	*1.8E+01*	*1.2E+03*	*1.6E+02*	--	*4.1E+02*	*1.6E+03*	--	--	*4.4E+04*	*1.2E+04*	*5.2E+00*
Trip 1	--	--	<0.82	<1.38	<0.61	<0.61	<1.50	<1.06	<0.54	<1.31	<0.86	<1.34	<1.38	<1.31	<2.29	<1.30	<1.30	<2.86	<1.04	<0.56
PSG-01	07/24/23	08/08/23	<0.83	<1.39	<0.62	<0.62	<1.52	<1.08	<0.54	<1.32	<0.87	<1.36	<1.39	<1.32	<2.31	<1.31	<1.31	<2.89	<1.05	<0.57
PSG-02	07/24/23	08/08/23	<0.83	<1.39	<0.62	<0.62	<1.52	<1.08	<0.54	<1.32	<0.87	<1.36	<1.39	<1.32	<2.31	<1.32	**2.35**	**3.96**	<1.05	<0.57
PSG-03	07/25/23	08/08/23	<0.88	<1.48	<0.65	<0.65	<1.61	<1.14	<0.58	<1.40	<0.93	<1.44	<1.48	<1.40	<2.45	<1.39	<1.39	**3.24**	<1.11	<0.61
PSG-04	07/25/23	08/08/23	<0.88	<1.48	<0.65	<0.65	<1.61	<1.14	<0.58	<1.40	<0.92	<1.44	<1.48	<1.40	<2.45	<1.39	<1.39	<3.06	<1.11	<0.61
PSG-05	07/24/23	08/08/23	<0.83	**1.49**	<0.62	<0.62	**2.06**	<1.09	<0.55	<1.33	<0.88	<1.37	<1.41	<1.33	<2.33	**1.41**	**2.38**	**6.37**	<1.06	<0.58
PSG-06	07/24/23	08/08/23	<0.83	<1.41	<0.62	<0.62	**5.04**	<1.09	<0.55	<1.33	<0.88	<1.37	<1.41	<1.33	<2.33	<1.33	<1.33	**6.47**	<1.06	<0.58
PSG-07	07/24/23	08/08/23	<0.83	<1.41	<0.62	<0.62	<1.54	<1.09	**0.86**	<1.33	<0.88	<1.37	<1.41	<1.33	<2.33	**1.73**	**4.5**	<2.92	<1.06	<0.58
PSG-08	07/24/23	08/08/23	<0.83	<1.41	<0.62	<0.62	<1.54	<1.09	<0.55	<1.33	<0.88	<1.37	<1.41	<1.33	<2.34	<1.33	<1.33	**4.93**	<1.06	<0.58
PSG-09	07/26/23	08/09/23	<0.88	<1.49	<0.66	<0.66	<1.63	<1.15	<0.58	**1.65**	<0.93	<1.46	<1.49	<1.42	<2.48	<1.41	<1.41	<3.10	<1.13	<0.61
PSG-10	07/26/23	08/09/23	<0.88	<1.49	<0.66	<0.66	**3.75**	<1.15	<0.58	<1.42	<0.94	<1.46	<1.49	<1.42	<2.48	<1.41	<1.41	<3.10	<1.13	<0.61
PSG-11	07/26/23	08/09/23	<0.88	**8.78**	<0.66	<0.66	**1,080**	<1.15	<0.58	<1.42	<0.93	**3.19**	**20.9**	<1.42	<2.48	**3.12**	**6.44**	**17.3**	<1.13	<0.61
PSG-12	07/26/23	08/09/23	<0.87	<1.47	<0.65	<0.65	**8.83**	<1.14	<0.58	<1.40	<0.92	**5.94**	<1.47	<1.40	<2.45	**11.5**	**27.1**	<3.06	<1.11	<0.60
PSG-13	07/26/23	08/09/23	<0.87	<1.47	<0.65	<0.65	**4.63**	<1.14	<0.58	<1.40	<0.92	**3.79**	<1.47	<1.40	<2.44	**3.56**	**6.76**	**18.6**	<1.11	<0.60
PSG-14	07/24/23	08/08/23	<0.83	<1.40	<0.62	<0.62	**2.46**	<1.08	<0.55	<1.32	<0.87	<1.36	<1.40	<1.32	<2.32	**2.47**	**4.9**	**5.1**	<1.05	<0.57
PSG-15	07/24/23	08/08/23	<0.83	<1.40	<0.62	<0.62	<1.53	<1.08	<0.55	<1.32	<0.87	**1.56**	<1.40	<1.32	<2.32	**3.62**	**7.99**	<2.90	<1.05	<0.57
PSG-15-Dup	07/24/23	08/08/23	<0.83	<1.40	<0.62	<0.62	<1.53	<1.08	<0.55	<1.32	<0.87	<1.36	<1.40	<1.32	<2.32	**3.16**	**7.07**	<2.90	<1.05	<0.57
PSG-16	07/26/23	08/09/23	<0.89	**5.54**	<0.66	<0.66	<1.63	<1.15	<0.58	<1.42	<0.94	**6.84**	<1.49	<1.42	<2.48	**16.3**	**35.7**	<3.10	<1.13	<0.61
PSG-17	07/26/23	08/09/23	<0.89	<1.49	<0.66	<0.66	<1.63	<1.15	<0.58	<1.42	<0.94	<1.46	<1.49	<1.42	<2.48	<1.41	**1.59**	<3.10	<1.13	<0.61
PSG-18	07/24/23	08/08/23	<0.83	<1.41	<0.62	<0.62	**2.42**	<1.09	<0.55	<1.33	<0.88	<1.37	<1.41	<1.33	<2.33	<1.33	<1.33	<2.92	<1.06	<0.58
PSG-19	07/24/23	08/08/23	<0.83	**1.71**	<0.62	<0.62	**2.98**	<1.09	<0.55	<1.33	<0.88	<1.37	<1.41	<1.33	<2.33	<1.33	<1.33	<2.92	<1.06	<0.58
PSG-20	07/25/23	08/08/23	<0.88	<1.48	<0.65	<0.65	<1.61	<1.14	<0.58	<1.40	<0.92	<1.44	<1.48	<1.40	<2.45	<1.39	<1.39	<3.06	<1.11	<0.61
PSG-20-Dup	07/25/23	08/08/23	<0.88	<1.48	<0.65	<0.65	<1.61	<1.14	<0.58	<1.40	<0.92	<1.44	<1.48	<1.40	<2.45	<1.39	<1.39	<3.06	<1.11	<0.61
PSG-21	07/25/23	08/08/23	<0.88	<1.48	<0.65	<0.65	**2.98**	<1.14	<0.58	<1.40	<0.92	<1.44	<1.48	<1.40	<2.45	<1.39	<1.39	**4.97**	<1.11	<0.60
PSG-22	07/26/23	08/09/23	<0.89	<1.49	<0.66	<0.66	<1.63	<1.15	<0.58	<1.42	**1.05**	**1.9**	<1.49	<1.42	<2.48	**1.46**	**2.58**	**10.1**	<1.13	**2.26**
PSG-23	07/26/23	08/09/23	<0.89	<1.49	<0.66	<0.66	<1.63	<1.15	<0.58	<1.42	<0.94	<1.46	<1.49	<1.42	<2.48	<1.41	**3.44**	<3.10	<1.13	<0.61
PSG-24	07/26/23	08/09/23	<0.89	<1.49	<0.66	<0.66	<1.63	<1.15	<0.58	<1.42	<0.94	<1.46	<1.49	<1.42	<2.48	<1.41	**2.5**	<3.10	<1.13	<0.61
PSG-25	07/25/23	08/08/23	<0.88	**2.02**	<0.66	<0.66	<1.62	<1.15	<0.58	<1.41	**14**	**9.38**	**2.94**	<1.41	<2.47	**7.74**	**13.6**	**42.2**	**3.51**	<0.61
PSG-25-Dup	07/25/23	08/08/23	<0.88	**1.74**	<0.66	<0.66	<1.62	<1.15	<0.58	<1.41	**8.93**	**8.12**	**2.33**	<1.41	<2.47	**4.91**	**10**	**52.4**	**1.96**	<0.61
PSG-26	07/25/23	08/08/23	<0.88	**2.39**	<0.66	<0.66	**1.63**	<1.15	<0.58	<1.41	<0.93	**4.03**	<1.49	<1.41	<2.47	**6.5**	**10.1**	**3.48**	<1.12	<0.61
PSG-27	07/24/23	08/08/23	<0.83	**2.66**	<0.62	<0.62	<1.53	<1.08	<0.55	<1.33	<0.88	<1.36	<1.40	<1.33	<2.32	**1.91**	**3.83**	**2.98**	<1.05	<0.57
PSG-28	07/25/23	08/08/23	<0.88	**2.23**	<0.66	<0.66	<1.62	<1.14	<0.58	<1.41	<0.93	<1.45	**1.52**	<1.41	<2.46	<1.40	<1.40	<3.08	<1.12	<0.61
PSG-29	07/25/23	08/08/23	<0.88	**44.4**	<0.66	<0.66	<1.62	<1.14	<0.58	<1.41	<0.93	<1.45	**35.1**	<1.41	<2.46	**5.19**	**10.3**	**6.41**	<1.12	<0.61
PSG-30	07/25/23	08/09/23	<0.82	<1.38	<0.61	<0.61	**1.99**	<1.06	<0.54	<1.31	<0.86	<1.34	<1.38	<1.31	<2.29	<1.30	<1.30	**3.77**	<1.04	<0.56
PSG-31	07/25/23	08/08/23	<0.88	<1.48	<0.65	<0.65	**52.4**	<1.14	<0.58	<1.40	<0.93	**2.15**	<1.48	<1.40	**4.74**	**3.4**	**3.53**	**18.8**	<1.12	**0.9**
PSG-32	07/25/23	08/08/23	<0.88	<1.48	<0.65	<0.65	**2.09**	<1.14	<0.58	<1.40	**25.3**	<1.44	**7.7**	<1.40	**2.72**	**1.9**	**3.28**	**7.56**	**7.76**	**0.73**
PSG-33	07/25/23	08/08/23	<0.88	**1.77**	<0.65	<0.65	<1.61	<1.14	<0.58	<1.40	<0.93	<1.44	<1.48	<1.40	**3.63**	<1.39	**1.88**	**4.62**	<1.11	<0.61
PSG-34	07/26/23	08/09/23	<0.88	<1.49	<0.66	<0.66	<1.63	<1.15	<0.58	<1.42	<0.93	**2.9**	<1.49	<1.42	<2.48	**6.12**	**15.8**	<3.10	<1.13	**1.07**

Table 2
Passive Soil Gas Analytical Results
AB&I Redevelopment
7825 San Leandro Street, Oakland, California

Sample ID[1]	Sample Collection Start Date	Sample Collection End Date	VOCs																	
			1,2-Dichloroethane µg/m³	1,3,5-Trimethylbenzene µg/m³	1,3-Dichlorobenzene µg/m³	1,4-Dichlorobenzene µg/m³	2-Methylnaphthalene µg/m³	Carbon Tetrachloride µg/m³	Chlorobenzene µg/m³	Chloroform µg/m³	cis-1,2-Dichloroethene µg/m³	Ethylbenzene µg/m³	Isopropylbenzene µg/m³	Methylene chloride µg/m³	Methyl-t-butyl ether (MTBE) µg/m³	o-Xylene µg/m³	p,m-Xylene µg/m³	Toluene µg/m³	trans-1,2-Dichloroethene µg/m³	Vinyl Chloride µg/m³
Commercial/Industrial ESLs[2]			*1.6E+01*	--	--	*3.7E+01*	--	*6.8E+01*	*7.3E+03*	*1.8E+01*	*1.2E+03*	*1.6E+02*	--	*4.1E+02*	*1.6E+03*	--	--	*4.4E+04*	*1.2E+04*	*5.2E+00*
PSG-35	07/26/23	08/09/23	<0.88	**1.79**	<0.66	<0.66	**2.52**	<1.15	<0.58	<1.41	<0.93	**2.71**	<1.49	<1.41	<2.48	**4.2**	**6.91**	**20.4**	<1.13	<0.61
PSG-35-Dup	07/26/23	08/09/23	<0.88	**2.04**	<0.66	<0.66	**2.32**	<1.15	<0.58	<1.41	<0.93	**2.09**	<1.49	<1.41	<2.48	**3.66**	**5.93**	**18.4**	<1.13	<0.61
PSG-36	07/26/23	08/09/23	<0.89	**25.3**	<0.66	<0.66	**8.58**	<1.15	<0.58	<1.42	**27**	**8.21**	**7.9**	<1.42	<2.48	**15**	**23**	**41.4**	**3.42**	**4.97**
PSG-37	07/25/23	08/08/23	<0.88	<1.49	<0.66	<0.66	<1.62	<1.15	<0.58	<1.41	<0.93	**2.06**	<1.49	<1.41	<2.47	**3.96**	**8.6**	**3.87**	<1.12	<0.61
PSG-38	07/25/23	08/08/23	<0.88	**4.8**	<0.66	<0.66	**2.04**	<1.14	<0.58	<1.41	<0.93	<1.45	**1.64**	<1.41	<2.46	**2.92**	**4.65**	**6.4**	<1.12	<0.61
PSG-39	07/24/23	08/08/23	<0.83	<1.40	<0.62	<0.62	<1.53	<1.08	<0.55	<1.33	<0.88	**1.73**	<1.40	<1.33	<2.32	**2.95**	**6.54**	**7.81**	<1.06	<0.57
PSG-40	07/26/23	08/09/23	<0.89	<1.49	<0.66	<0.66	<1.63	<1.15	<0.58	<1.42	<0.94	<1.46	<1.49	<1.42	<2.48	<1.41	**3.14**	<3.10	<1.13	<0.61
PSG-41	07/26/23	08/09/23	<0.89	<1.49	<0.66	<0.66	<1.63	<1.15	<0.58	<1.42	**2.42**	<1.46	<1.49	<1.42	<2.48	<1.41	<1.41	<3.10	<1.13	<0.61
PSG-42	07/26/23	08/09/23	<0.89	<1.49	<0.66	<0.66	<1.63	<1.15	<0.58	<1.42	<0.94	**3.31**	<1.49	<1.42	<2.48	**4.8**	**13.8**	<3.10	<1.13	<0.61
PSG-43	07/26/23	08/09/23	<0.89	<1.49	<0.66	<0.66	<1.63	<1.15	<0.58	<1.42	<0.94	<1.46	<1.49	<1.42	<2.48	**2.68**	**3.81**	<3.10	<1.13	<0.61
PSG-43-Dup	07/26/23	08/09/23	<0.89	<1.49	<0.66	<0.66	<1.63	<1.15	<0.58	<1.42	<0.94	<1.46	<1.49	<1.42	<2.48	**2.6**	**3.78**	<3.10	<1.13	<0.61
PSG-44	07/25/23	08/08/23	<0.87	<1.48	<0.65	<0.65	<1.61	<1.14	<0.58	<1.40	<0.92	<1.44	<1.48	<1.40	<2.45	<1.39	<1.39	<3.06	<1.11	<0.60
PSG-45	07/25/23	08/08/23	<0.88	**22.4**	<0.65	<0.65	**8.95**	<1.14	<0.58	<1.40	<0.93	**12.4**	**11.5**	<1.40	<2.45	**28.7**	**30.4**	**53.8**	<1.12	<0.61
PSG-46	07/25/23	08/08/23	<0.88	**11.6**	<0.65	<0.65	**3.97**	<1.14	<0.58	<1.40	**1.4**	**4.62**	**6.78**	<1.40	<2.45	**8.63**	**8.81**	**30.3**	<1.12	<0.61
PSG-47	07/26/23	08/09/23	<0.88	<1.49	<0.66	<0.66	<1.63	<1.15	<0.58	<1.42	<0.94	**10.6**	<1.49	<1.42	<2.48	**16.1**	**45.1**	**4.14**	<1.13	<0.61
PSG-48	07/26/23	08/09/23	<0.88	**6.71**	<0.66	<0.66	<1.63	<1.15	<0.58	<1.42	<0.93	**59.9**	**3.74**	<1.42	<2.48	**123**	**225**	<3.10	<1.13	<0.61
PSG-49	07/26/23	08/09/23	<0.88	<1.48	<0.66	<0.66	<1.62	<1.14	<0.58	<1.41	**1.55**	<1.45	<1.48	<1.41	<2.46	<1.40	**2.85**	**4.88**	<1.12	<0.61
PSG-50	07/26/23	08/09/23	<0.89	<1.49	<0.66	<0.66	<1.63	<1.15	<0.58	**6.35**	<0.94	<1.46	<1.49	<1.42	<2.48	<1.41	**2**	<3.10	<1.13	**2.58**
PSG-51	07/25/23	08/08/23	<0.88	<1.48	<0.66	<0.66	<1.62	<1.15	<0.58	<1.41	<0.93	**2.52**	<1.48	<1.41	<2.46	**5.13**	**11.8**	**3.99**	<1.12	**1.26**
PSG-52	07/25/23	08/08/23	<0.88	**2.43**	<0.66	<0.66	**3.23**	<1.15	<0.58	<1.41	<0.93	**3.32**	<1.48	<1.41	<2.46	**7.28**	**14.7**	**10.4**	<1.12	**1.97**
PSG-53	07/24/23	08/08/23	<0.83	<1.40	<0.62	<0.62	<1.53	<1.08	<0.55	<1.33	<0.88	<1.37	<1.40	<1.33	<2.33	<1.32	**1.69**	**6.63**	<1.06	<0.57
PSG-54	07/24/23	08/08/23	<0.83	<1.40	<0.62	<0.62	<1.53	<1.08	<0.55	<1.33	<0.88	<1.37	<1.40	<1.33	<2.33	**2.35**	**4.51**	<2.91	<1.06	**3.21**
PSG-55	07/24/23	08/08/23	<0.83	<1.40	<0.62	<0.62	<1.53	<1.08	<0.55	<1.33	**35.6**	<1.37	**1.7**	<1.33	<2.33	<1.32	<1.32	<2.91	**5.97**	**3.58**
PSG-56	07/24/23	08/08/23	<0.83	<1.40	<0.62	<0.62	<1.53	<1.08	<0.55	<1.33	<0.88	<1.37	<1.40	<1.33	<2.33	**1.44**	**3.03**	**3.32**	<1.06	<0.58
PSG-57	07/25/23	08/08/23	<0.88	**8.46**	<0.65	<0.65	<1.61	<1.14	<0.58	<1.40	<0.93	<1.44	<1.48	<1.40	<2.45	**3.22**	**3.56**	**13.5**	<1.12	**0.65**
PSG-58	07/25/23	08/08/23	<0.88	**6.97**	<0.65	<0.65	<1.61	<1.14	<0.58	<1.40	<0.93	<1.44	**2.03**	<1.40	<2.45	**2.17**	**3.53**	**8.54**	<1.11	<0.61
PSG-59	07/25/23	08/08/23	<0.88	<1.48	<0.65	<0.65	<1.61	<1.14	<0.58	<1.40	<0.93	**4.2**	<1.48	<1.40	<2.45	**9.54**	**19.3**	**4.23**	<1.12	**1.41**
PSG-60	07/26/23	08/09/23	<0.88	<1.49	<0.66	<0.66	<1.62	<1.15	<0.58	<1.41	<0.93	<1.45	<1.49	<1.41	<2.47	<1.40	<1.40	<3.09	<1.12	<0.61
PSG-61	07/25/23	08/08/23	<0.88	**32.2**	<0.65	<0.65	**4.32**	<1.14	<0.58	<1.40	<0.93	**9.1**	**15.7**	<1.40	<2.45	**42.2**	**28.6**	**57.4**	<1.12	<0.61
PSG-61-Dup	07/25/23	08/08/23	<0.88	**31.3**	<0.65	<0.65	**3.94**	<1.14	<0.58	<1.40	<0.93	**7.98**	**15.8**	<1.40	<2.45	**41.6**	**29**	**43.3**	<1.12	**0.97**
PSG-62	07/25/23	08/08/23	<0.88	**2.73**	<0.65	<0.65	<1.61	<1.14	<0.58	<1.40	**63.7**	<1.44	<1.48	<1.40	<2.45	**2.11**	**2.49**	**9.81**	**16.6**	<0.61
PSG-63	07/25/23	08/08/23	<0.88	<1.48	<0.66	<0.66	<1.62	<1.14	<0.58	**2.56**	<0.93	<1.45	<1.48	<1.41	<2.46	**1.67**	**3.02**	<3.08	<1.12	<0.61
PSG-64	07/25/23	08/08/23	<0.88	<1.48	<0.66	<0.66	<1.62	<1.14	<0.58	<1.41	<0.93	<1.45	<1.48	<1.41	<2.46	<1.40	<1.40	<3.08	<1.12	<0.61

Table 2
Passive Soil Gas Analytical Results
AB&I Redevelopment
7825 San Leandro Street, Oakland, California

Notes:
TPH = Total Petroleum Hydrocarbons
VOCs = Volatile Organic Compounds
-- = not analyzed, not applicable, or not established
$\mu g/m^3$ = micrograms per cubic meter
<X = not detected at or above laboratory reporting limit X.
Bold text indicates a concentration detected above the laboratory reporting limit.
Yellow highlighted concentrations indicate an exceedance of the Commericial/Industrial ESL for Vapor Intrusion Risk
TPH analyzed by United States Environmental Protection Agency (USEPA) Method 8260C.
VOCs analyzed by EPA Method 8260C.
[1]Sample IDs with '-Dup' indicates the sample was a duplicate sample of the sample ID listed (i.e. PSG-15-Dup is a duplicate of PSG-15).
[2]San Francisco Bay Regional Water Quality Control Board 2019. *Environmental Screening Levels (ESLs): Subslab/Soil Gas Vapor Intrusion: Human Health Risk Levels (Table SG-1) Commercial/Industrial.* January 2019 (Revision 2).

Table 3
Groundwater Analytical Results - Metals
AB&I Redevelopment
7825 San Leandro Street, Oakland, California

Sample ID	Sample Date	Unfiltered Metals																	
		Antimony µg/L	Arsenic µg/L	Barium µg/L	Beryllium µg/L	Cadmium µg/L	Chromium µg/L	Hexavalent Chromium µg/L	Cobalt µg/L	Copper µg/L	Lead µg/L	Mercury µg/L	Molybdenum µg/L	Nickel µg/L	Selenium µg/L	Silver µg/L	Thallium µg/L	Vanadium µg/L	Zinc µg/L
MCL Priority List[1]		*6.0E+00*	*1.0E+01*	*1.0E+03*	*4.0E+00*	*--*	*5.0E+01*	*2.0E-02*	*6.0E+00*	*1.0E+03*	*1.5E+01*	*2.0E+00*	*1.0E+02*	*1.0E+02*	*5.0E+01*	*1.0E+02*	*2.0E+00*	*--*	*5.0E+03*
MW-10	08/09/23	<40	**31**	**1100**	**2.4**	<5.0	**270**	<1.0	**58**	**140**	**64**	<0.40	<10	**330**	<30	<5.0	<50	**260**	**280**
MW-11	08/09/23	<40	<10	**140**	<1.0	<5.0	**18**	<1.0	<5.0	**10**	<10	<0.40	**15**	**24**	<30	<5.0	<50	**22**	<50
MW-12	08/09/23	<40	<10	**140**	<1.0	<5.0	<10	<1.0	<5.0	<10	<10	<0.40	<10	**14**	<30	<5.0	<50	**9.9**	<50
MW-13	08/09/23	<40	<10	**240**	<1.0	<5.0	**20**	<1.0	<5.0	<10	<10	<0.40	<10	**27**	<30	<5.0	<50	**17**	<50
MW-14	08/09/23	<40	<10	**110**	<1.0	<5.0	**22**	<1.0	**6.1**	**12**	<10	<0.40	<10	**30**	<30	<5.0	<50	**25**	<50
MW-15	08/09/23	<40	<10	**67**	<1.0	<5.0	<10	<1.0	<5.0	<10	<10	<0.40	**16**	**13**	<30	<5.0	<50	**13**	<50
MW-16	08/09/23	<40	<10	**85**	<1.0	<5.0	<10	<1.0	<5.0	<10	<10	<0.40	**15**	<10	<30	<5.0	<50	<5.0	<50
MW-17	08/09/23	<40	**39**	**1600**	**3.1**	<5.0	**440**	<1.0	**120**	**250**	**88**	<0.40	<10	**460**	<30	<5.0	<50	**400**	**430**

Sample ID	Sample Date	Filtered Metals																	
		Antimony µg/L	Arsenic µg/L	Barium µg/L	Beryllium µg/L	Cadmium µg/L	Chromium µg/L	Hexavalent Chromium µg/L	Cobalt µg/L	Copper µg/L	Lead µg/L	Mercury µg/L	Molybdenum µg/L	Nickel µg/L	Selenium µg/L	Silver µg/L	Thallium µg/L	Vanadium µg/L	Zinc µg/L
MCL Priority List[1]		*6.0E+00*	*1.0E+01*	*1.0E+03*	*4.0E+00*	*--*	*5.0E+01*	*2.0E-02*	*6.0E+00*	*1.0E+03*	*1.5E+01*	*2.0E+00*	*1.0E+02*	*1.0E+02*	*5.0E+01*	*1.0E+02*	*2.0E+00*	*--*	*5.0E+03*
MW-10	08/09/23	<40	**15**	**59**	<1.0	<5.0	<10	--	<5.0	<10	<10	<0.40	**12**	<10	<30	<5.0	<50	<5.0	<50
MW-11	08/09/23	<40	<10	**65**	<1.0	<5.0	<10	--	<5.0	<10	<10	<0.40	<10	<10	<30	<5.0	<50	**7**	<50
MW-12	08/09/23	<40	<10	**120**	<1.0	<5.0	<10	--	<5.0	<10	<10	<0.40	<10	<10	<30	<5.0	<50	**5.7**	<50
MW-13	08/09/23	<40	<10	**200**	<1.0	<5.0	<10	--	<5.0	<10	<10	<0.40	<10	<10	<30	<5.0	<50	<5.0	<50
MW-14	08/09/23	<40	<10	**59**	<1.0	<5.0	<10	--	<5.0	<10	<10	<0.40	<10	<10	<30	<5.0	<50	<5.0	<50
MW-15	08/09/23	<40	<10	**44**	<1.0	<5.0	<10	--	<5.0	<10	<10	<0.40	<10	<10	<30	<5.0	<50	<5.0	<50
MW-16	08/09/23	<40	<10	**76**	<1.0	<5.0	<10	--	<5.0	<10	<10	<0.40	<10	<10	<30	<5.0	<50	<5.0	<50
MW-17	08/09/23	<40	**12**	**76**	<1.0	<5.0	<10	--	<5.0	<10	<10	**0.67**	<10	<10	<30	<5.0	<50	<5.0	<50

Notes:

-- = not established or not analyzed

µg/L = micrograms per liter

<X = Not detected at or above laboratory reporting limit X.

Bold text indicates a concentration detected above the laboratory reporting limit.

Yellow highlighted concentrations indicate an exceedance of the MCL Priority ESLs

Metals analyzed by United States Environmental Protection Agency (USEPA) Methods 6010B/7470A. Hexavalent Chromium analyzed by EPA 218.6.

[1]San Francisco Bay Regional Water Quality Control Board 2019. *Environmental Screening Levels (ESLs): Direct Exposure Human Health Risk Levels (Table GW-1) MCL Priority.* January 2019 (Revision 2).

ROUX

Table 4
Groundwater Analytical Results - TPH and VOCs
AB&I Redevelopment
7825 San Leandro Street, Oakland, California

		TPH			VOCs													
Sample ID	Sample Date	TPH-Gasoline (TPH-g) µg/L	TPH-Diesel (TPH-d) µg/L	TPH-Motor Oil (TPH-mo) µg/L	1,1-Dichloroethene (1,1-DCE) µg/L	1,2-Dichloroethane (1,2-DCA) µg/L	Vinyl Chloride µg/L	1,1,1,2-Tetrachloroethane µg/L	1,1,1-Trichloroethane µg/L	1,1,2,2-Tetrachloroethane µg/L	1,1,2-Trichloroethane µg/L	1,1-Dichloroethane µg/L	1,1-Dichloropropene µg/L	1,2,3-Trichlorobenzene µg/L	1,2,3-Trichloropropane µg/L	1,2,4-Trichlorobenzene µg/L	1,2,4-Trimethylbenzene µg/L	1,2-Dibromo-3-Chloropropane µg/L
MCL Priority List [1]		*7.6E+02*	*2.0E+02*	--	*6.0E+00*	*5.0E-01*	*5.0E-01*	*5.7E-01*	*2.0E+02*	*1.0E+00*	*5.0E+00*	*5.0E+00*	--	--	*5.0E-03*	*5.0E+00*	--	*2.0E-01*
Commercial/Industrial ESLs [2]		--	--	--	*2.8E+02*	*9.8E+00*	*1.4E-01*	*1.7E+01*	*6.3E+03*	*1.4E+01*	*2.3E+01*	*3.3E+01*	--	--	*9.4E+01*	*1.5E+02*	--	*3.4E-01*
MW-10	08/09/23	<50	<110	<320	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0
MW-11	08/09/23	**1100**	**190**	<310	<0.5	**0.8**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0
MW-12	08/09/23	<50	<96	<290	**200**	<0.5	**2.9**	<0.5	<0.5	<0.5	<0.5	**3.2**	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0
MW-13	08/09/23	**120**	**240**	<290	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0
MW-14	08/09/23	<50	**160**	<290	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0
MW-15	08/09/23	<50	<93	<280	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0
MW-16	08/09/23	<50	**700**	**350**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0
MW-17	08/09/23	<50	**240**	<310	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0

Notes:
VOC = Volatile Organic Compound
TPH = Total Petroleum Hydrocarbons
MCLs = California Maximum Contaminant Level
ESLs = Environmental Screening Levels
-- = not established
<X = not detected at or above laboratory reporting limit X.
µg/L = micrograms per liter
Bold text indicates a concentration detected above the laboratory reporting limit.
Yellow highlighted concentrations indicate an exceedance of the MCL Priority ESLs
Green highlighted concentrations indicate an exceedance of both the MCL Priority ESLs and the GW Vapor Intrusion Commercial/Industrial ESLs
VOCs analyzed by Environmental Protection Agency (USEPA) Method 8260B.
TPH-g analyzed by EPA Method 8260B
TPH-d and TPH-mo analyzed by EPA Method 8015B.
[1]San Francisco Bay Regional Water Quality Control Board 2019. *Environmental Screening Levels (ESLs): Direct Exposure Human Health Risk Levels (Table GW-1) MCL Priority.* January 2019 (Revision 2).
[2]San Francisco Bay Regional Water Quality Control Board 2019. *Environmental Screening Levels (ESLs): Groundwater Vapor Intrusion Human Health Risk Levels (Table GW-3) Commercial/Industrial.* January 2019 (Revision 2).

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Table 4
Groundwater Analytical Results - TPH and VOCs
AB&I Redevelopment
7825 San Leandro Street, Oakland, California

		VOCs																
Sample ID	Sample Date	1,2-Dibromoethane µg/L	1,2-Dichlorobenzene µg/L	1,2-Dichloropropane µg/L	1,3,5-Trimethylbenzene µg/L	1,3-Dichlorobenzene µg/L	1,3-Dichloropropane µg/L	1,4-Dichlorobenzene µg/L	2,2-Dichloropropane µg/L	2-Butanone µg/L	2-Chlorotoluene µg/L	4-Chlorotoluene µg/L	4-Methyl-2-Pentanone µg/L	Acetone µg/L	Benzene µg/L	Bromobenzene µg/L	Bromochloromethane µg/L	Bromodichloromethane µg/L
MCL Priority List[1]		*5.0E-02*	*1.0E+02*	*5.0E+00*	--	*6.0E+02*	--	*5.0E+00*	--	*5.6E+03*	--	--	*1.2E+02*	*1.4E+04*	*1.0E+00*	--	--	*8.0E+01*
Commercial/Industrial ESLs[2]		*7.6E-01*	*1.1E+04*	*1.0E+01*	--	--	--	*1.1E+01*	--	*9.5E+06*	--	--	*2.3E+06*	*9.7E+07*	*1.8E+00*	--	--	*3.8E+00*
MW-10	08/09/23	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0	<20	<0.5	<1.0	<0.5	<0.5
MW-11	08/09/23	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0	<20	<0.5	<1.0	<0.5	<0.5
MW-12	08/09/23	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0	<20	<0.5	<1.0	<0.5	<0.5
MW-13	08/09/23	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0	<20	<0.5	<1.0	<0.5	<0.5
MW-14	08/09/23	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0	<20	<0.5	<1.0	<0.5	<0.5
MW-15	08/09/23	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0	<20	<0.5	<1.0	<0.5	<0.5
MW-16	08/09/23	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0	<20	<0.5	<1.0	<0.5	<0.5
MW-17	08/09/23	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5	<5.0	<20	<0.5	<1.0	<0.5	<0.5

Notes:
VOC = Volatile Organic Compund
TPH = Total Petroleum Hydrocarbons
MCLs = California Maximum Contaminant Level
ESLs = Environmental Screening Levels
-- = not established
<X = not detected at or above laboratory reporting limit X.
µg/L = micrograms per liter
Bold text indicates a concentration detected above the laboratory reporting limit.
Yellow highlighted concentrations indicate an exceedance of the MCL Priority ESLs
Green highlighted concentrations indicate an exceedance of both the MCL Priority ESLs and the GW Vapor Intrusion Commercial/Industrial ESLs
VOCs analyzed by Environmental Protection Agency (USEPA) Method 8260B.
TPH-g analyzed by EPA Method 8260B
TPH-d and TPH-mo analyzed by EPA Method 8015B.
[1]San Francisco Bay Regional Water Quality Control Board 2019. *Environmental Screening Levels (ESLs): Direct Exposure Human Health Risk Levels (Table GW-1) MCL Priority.* January 2019 (Revision 2).
[2]San Francisco Bay Regional Water Quality Control Board 2019. *Environmental Screening Levels (ESLs): Groundwater Vapor Intrusion Human Health Risk Levels (Table GW-3) Commercial/Industrial.* January 2019 (Revision 2).

Table 4
Groundwater Analytical Results - TPH and VOCs
AB&I Redevelopment
7825 San Leandro Street, Oakland, California

		VOCs																
Sample ID	Sample Date	Bromoform µg/L	Bromomethane µg/L	Carbon Tetrachloride µg/L	Chlorobenzene µg/L	Chloroethane µg/L	Chloroform µg/L	Chloromethane µg/L	cis-1,2-Dichloroethene µg/L	cis-1,3-Dichloropropene µg/L	Dibromochloromethane µg/L	Dibromomethane µg/L	Dichlorodifluoromethane (Freon-12) µg/L	Ethylbenzene µg/L	Freon 113 µg/L	Hexachlorobutadiene µg/L	Isopropylbenzene µg/L	m,p-Xylenes µg/L
MCL Priority List [1]		*8.0E+01*	*7.5E+00*	*5.0E-01*	*7.0E+01*	*2.1E+04*	*8.0E+01*	*1.9E+02*	*6.0E+00*	--	*8.0E+01*	--	--	*3.0E+01*	--	*1.4E-01*	--	--
Commercial/Industrial ESLs [2]		*5.1E+02*	*7.3E+01*	*1.9E+00*	*1.7E+03*	*9.7E+04*	*3.6E+00*	*1.1E+03*	*2.1E+02*	--	--	--	--	*1.5E+01*	--	*1.3E+00*	--	--
MW-10	08/09/23	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<1.0
MW-11	08/09/23	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	**2.3**	<0.5	<2.0	**4.9**	<1.0
MW-12	08/09/23	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	**2.9**	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<1.0
MW-13	08/09/23	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<1.0
MW-14	08/09/23	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<1.0
MW-15	08/09/23	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<1.0
MW-16	08/09/23	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<1.0
MW-17	08/09/23	<1.0	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	**0.5**	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<1.0

Notes:
VOC = Volatile Organic Compound
TPH = Total Petroleum Hydrocarbons
MCLs = California Maximum Contaminant Level
ESLs = Environmental Screening Levels
-- = not established
<X = not detected at or above laboratory reporting limit X.
µg/L = micrograms per liter
Bold text indicates a concentration detected above the laboratory reporting limit.
Yellow highlighted concentrations indicate an exceedance of the MCL Priority ESLs
Green highlighted concentrations indicate an exceedance of both the MCL Priority ESLs and the GW Vapor Intrusion Commercial/Industrial ESLs
VOCs analyzed by Environmental Protection Agency (USEPA) Method 8260B.
TPH-g analyzed by EPA Method 8260B
TPH-d and TPH-mo analyzed by EPA Method 8015B.
[1]San Francisco Bay Regional Water Quality Control Board 2019. *Environmental Screening Levels (ESLs): Direct Exposure Human Health Risk Levels (Table GW-1) MCL Priority.* January 2019 (Revision 2).
[2]San Francisco Bay Regional Water Quality Control Board 2019. *Environmental Screening Levels (ESLs): Groundwater Vapor Intrusion Human Health Risk Levels (Table GW-3) Commercial/Industrial.* January 2019 (Revision 2).

Table 4
Groundwater Analytical Results - TPH and VOCs
AB&I Redevelopment
7825 San Leandro Street, Oakland, California

		VOCs														
Sample ID	Sample Date	Methyl-tert-butyl ether (MTBE) µg/L	Methylene Chloride µg/L	n-Butylbenzene µg/L	n-Propylbenzene µg/L	o-Xylene µg/L	para-Isopropyl Toluene µg/L	sec-Butylbenzene µg/L	Styrene µg/L	tert-Butylbenzene µg/L	Tetrachloroethene (PCE) µg/L	Toluene µg/L	trans-1,2-Dichloroethene µg/L	trans-1,3-Dichloropropene µg/L	Trichloroethene (TCE) µg/L	Trichlorofluoromethane µg/L
MCL Priority List[1]		*5.0E+00*	*5.0E+00*	--	--	--	--	--	*1.0E+01*	--	*5.0E+00*	*4.0E+01*	*1.0E+01*	--	*5.0E+00*	--
Commercial/Industrial ESLs[2]		*2.0E+03*	*9.4E+01*	--	--	--	--	--	*3.6E+04*	--	*2.8E+00*	*4.9E+03*	*9.2E+02*	--	*7.5E+00*	--
MW-10	08/09/23	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-11	08/09/23	<0.5	<10	**1.5**	**8.7**	<0.5	<0.5	**1.7**	<0.5	**1.2**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-12	08/09/23	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-13	08/09/23	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-14	08/09/23	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-15	08/09/23	**3.5**	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-16	08/09/23	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-17	08/09/23	<0.5	<10	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.8**	<0.5	<0.5	<0.5	**1.0**	<0.5

Notes:
VOC = Volatile Organic Compound
TPH = Total Petroleum Hydrocarbons
MCLs = California Maximum Contaminant Level
ESLs = Environmental Screening Levels
-- = not established
<X = not detected at or above laboratory reporting limit X.
µg/L = micrograms per liter
Bold text indicates a concentration detected above the laboratory reporting limit.
Yellow highlighted concentrations indicate an exceedance of the MCL Priority ESLs
Green highlighted concentrations indicate an exceedance of both the MCL Priority ESLs and the GW Vapor Intrusion Commercial/Industrial ESLs
VOCs analyzed by Environmental Protection Agency (USEPA) Method 8260B.
TPH-g analyzed by EPA Method 8260B
TPH-d and TPH-mo analyzed by EPA Method 8015B.
[1]San Francisco Bay Regional Water Quality Control Board 2019. *Environmental Screening Levels (ESLs): Direct Exposure Human Health Risk Levels (Table GW-1) MCL Priority.* January 2019 (Revision 2).
[2]San Francisco Bay Regional Water Quality Control Board 2019. *Environmental Screening Levels (ESLs): Groundwater Vapor Intrusion Human Health Risk Levels (Table GW-3) Commercial/Industrial.* January 2019 (Revision 2).

Table 5
Groundwater Analytical Results - PAHs
AB&I Redevelopment
7825 San Leandro Street, Oakland, California

Sample ID	Sample Date	Naphthalene µg/L	1-Methylnaphthalene µg/L	2-Methylnaphthalene µg/L	Acenaphthene µg/L	Acenaphthylene µg/L	Anthracene µg/L	Benzo(a)anthracene µg/L	Benzo(a)pyrene µg/L	Benzo(b)fluoranthene µg/L	Benzo(g,h,i)perylene µg/L	Benzo(k)fluoranthene µg/L	Chrysene µg/L	Dibenzo(a,h)anthracene µg/L	Fluoranthene µg/L	Fluorene µg/L	Indeno(1,2,3-cd)pyrene µg/L	Phenanthrene µg/L	Pyrene µg/L
MCL Priority List[1]		*1.7E-01*	--	*3.6E+01*	*5.3E+02*	--	*1.8E+03*	*1.7E-02*	*2.0E-01*	*2.5E-01*	--	*2.5E+00*	*2.5E+01*	*2.5E-02*	*8.0E+02*	*2.9E+02*	*2.5E-01*	--	*1.2E+02*
Commercial/Industrial ESLs[2]		*2.0E+01*	--	--	--	--	--	*2.3E+02*	--	--	--	--	--	--	--	--	--	--	--
MW-10	08/09/23	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54
MW-11	08/09/23	**2.8**	**7.4**	**4.4**	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52
MW-12	08/09/23	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-13	08/09/23	<0.48	**1.2**	**0.92**	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
MW-14	08/09/23	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
MW-15	08/09/23	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47
MW-16	08/09/23	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-17	08/09/23	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52

Notes:

PAHs = Polyaromatic Hydrocarbons

MCLs = California Maximum Contaminant Level

ESLs = Environmental Screening Levels

-- = not established

µg/L = micrograms per liter

<X = Not detected at or above laboratory reporting limit X.

Bold text indicates a concentration detected above the laboratory reporting limit.

Yellow highlighted concentrations indicate an exceedance of the MCL Priority ESLs

PAHs analyzed by Environmental Protection Agency (USEPA) Method 8270C-selected ion monitoring (SIM) mode.

[1]San Francisco Bay Regional Water Quality Control Board 2019. *Environmental Screening Levels (ESLs): Direct Exposure Human Health Risk Levels (Table GW-1) MCL Priority.* January 2019 (Revision 2).

[2]San Francisco Bay Regional Water Quality Control Board 2019. *Environmental Screening Levels (ESLs): Groundwater Vapor Intrusion Human Health Risk Levels (Table GW-3) Commercial/Industrial.* January 2019 (Revision 2).

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Table 6
Groundwater Analytical Results - Pesticides
AB&I Redevelopment
7825 San Leandro Street, Oakland, California

Sample ID	Sample Date	4,4'-DDD µg/L	4,4'-DDE µg/L	4,4'-DDT µg/L	Aldrin µg/L	α-BHC µg/L	β-BHC µg/L	γ-BHC (Lindane) µg/L	δ-BHC µg/L	Chlordane - Technical µg/L	Dieldrin µg/L	Endosulfan I µg/L	Endosulfan II µg/L	Endosulfan sulfate µg/L	Endrin µg/L	Endrin aldehyde µg/L	Endrin ketone µg/L	Heptachlor µg/L	Heptachlor epoxide µg/L	Methoxychlor µg/L	Toxaphene µg/L
MCL Priority List[1]		*3.1E-02*	*4.6E-02*	*2.3E-01*	*9.2E-04*	--	--	*2.0E-01*	--	--	*7.1E-04*	--	--	--	*2.0E+00*	--	--	*1.0E-02*	*1.0E-02*	*3.0E+01*	*3.0E+00*
Commercial/Industrial ESLs[2]		--	*7.4E+01*	--	*1.4E+00*	--	--	--	--	--	*6.5E+00*	--	--	--	--	--	--	*7.9E-01*	*5.5E+00*	--	--
MW-10	08/09/23	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<1.0	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05	<0.1	<2.0
MW-11	08/09/23	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<1.0	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05	<0.1	<2.0
MW-12	08/09/23	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<1.0	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05	<0.1	<2.0
MW-13	08/09/23	<0.09	<0.09	<0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.9	<0.09	<0.05	<0.09	<0.09	<0.09	<0.09	<0.09	<0.05	<0.05	<0.09	<1.9
MW-14	08/09/23	<0.09	<0.09	<0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.9	<0.09	<0.05	<0.09	<0.09	<0.09	<0.09	<0.09	<0.05	<0.05	<0.09	<1.9
MW-15	08/09/23	<0.09	<0.09	<0.09	<0.05	<0.05	<0.05	<0.05	<0.05	<0.9	<0.09	<0.05	<0.09	<0.09	<0.09	<0.09	<0.09	<0.05	<0.05	<0.09	<1.9
MW-16	08/09/23	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<1.0	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05	<0.1	<2.0
MW-17	08/09/23	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<1.0	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05	<0.1	<1.9

Notes:
MCLs = California Maximum Contaminant Level
ESLs = Environmental Screening Levels
Pesticides analyzed by Environmental Protection Agency (USEPA) Method 8081A.
-- = not established
µg/L = micrograms per liter
<X = Not detected at or above laboratory reporting limit X.
[1]San Francisco Bay Regional Water Quality Control Board 2019. *Environmental Screening Levels (ESLs): Direct Exposure Human Health Risk Levels (Table GW-1) MCL Priority.* January 2019 (Revision 2).

Table 7
Groundwater Analytical Results - PCBs
AB&I Redevelopment
7825 San Leandro Street, Oakland, California

Sample ID	Sample Date	Aroclor-1016 µg/L	Aroclor-1221 µg/L	Aroclor-1232 µg/L	Aroclor-1242 µg/L	Aroclor-1248 µg/L	Aroclor-1254 µg/L	Aroclor-1260 µg/L
MCL Priority List[1]		*5.00E-01*	*5.00E-01*	*5.00E-01*	*5.00E-01*	*5.00E-01*	*5.00E-01*	*5.00E-01*
MW-10	08/09/23	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-11	08/09/23	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-12	08/09/23	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
MW-13	08/09/23	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47
MW-14	08/09/23	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47
MW-15	08/09/23	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
MW-16	08/09/23	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-17	08/09/23	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48

Notes:

PCB = Polychlorinated biphenyl

MCLs = California Maximum Contaminant Level

PCBs analyzed by Environmental Protection Agency Method SW8082.

µg/L = micrograms per liter

<X = Not detected at or above laboratory reporting limit X.

[1]San Francisco Bay Regional Water Quality Control Board 2019. *Environmental Screening Levels (ESLs): Direct Exposure Human Health Risk Levels (Table GW-1) MCL Priority.* January 2019 (Revision 2).

ROUX

Table 8
Soil Analytical Results - Metals
AB&I Redevelopment
7825 San Leandro Street, Oakland, California

Sample ID	Depth (ft bgs)	Sample Date	Antimony mg/kg	Arsenic[2] mg/kg	Barium mg/kg	Beryllium mg/kg	Cadmium mg/kg	Total Chromium mg/kg	Cobalt mg/kg	Copper mg/kg	Lead mg/kg	Mercury mg/kg	Molybdenum mg/kg	Nickel mg/kg	Selenium mg/kg	Silver mg/kg	Thallium mg/kg	Vanadium mg/kg	Zinc mg/kg
Commercial/Industrial ESLs[1]			*1.6E+02*	*1.1E+01*	*2.2E+05*	*2.3E+02*	*1.1E+03*	*--*	*3.5E+02*	*4.7E+04*	*3.2E+02*	*1.9E+02*	*5.8E+03*	*1.1E+04*	*5.8E+03*	*5.8E+03*	*1.2E+01*	*5.8E+03*	*3.5E+05*
MW-10-5.0	5	07/26/23	<0.96	**7.2**	**260**	<0.96	<0.48	**67**	**10**	**37**	**10**	<0.16	<0.96	**56**	<1.9	<0.48	<0.96	**66**	**74**
MW-10-10.0	10	07/26/23	<0.97	**8.4**	**290**	<0.97	<0.49	**67**	**12**	**34**	**9.1**	<0.15	<0.97	**57**	<1.9	<0.49	<0.97	**66**	**69**
MW-10-15.0	15	07/26/23	<0.95	**4.9**	**170**	<0.95	<0.48	**57**	**13**	**23**	**8.4**	<0.16	<0.95	**66**	<1.9	<0.48	<0.95	**42**	**48**
MW-11-5.0	5	07/25/23	<0.99	**9.4**	**300**	<0.99	**3**	**89**	**34**	**49**	**76**	**0.2**	<0.99	**220**	<2.0	<0.50	<0.99	**70**	**2200**
MW-11-10.0	10	07/25/23	<0.97	**5.1**	**320**	<0.97	<0.49	**59**	**9.5**	**34**	**15**	<0.16	<0.97	**55**	<1.9	<0.49	<0.97	**47**	**78**
MW-11-14.0	14	07/25/23	<0.97	**6.7**	**170**	<0.97	<0.49	**39**	**15**	**27**	**13**	<0.16	<0.97	**49**	<1.9	<0.49	<0.97	**50**	**55**
MW-11-15.0	15	07/25/23	<0.96	**3.8**	**190**	<0.96	<0.48	**53**	**12**	**22**	**8.5**	<0.15	<0.96	**72**	<1.9	<0.48	<0.96	**34**	**54**
MW-12-5.0	5	07/25/23	<0.96	**2.8**	**260**	<0.96	**0.75**	**28**	**6.3**	**21**	**81**	<0.16	<0.96	**28**	<1.9	<0.48	<0.96	**24**	**590**
MW-12-10.0	10	07/25/23	<0.95	**6.5**	**300**	<0.95	<0.48	**66**	**18**	**34**	**17**	**0.19**	<0.95	**60**	<1.9	<0.48	<0.95	**59**	**69**
MW-12-15.0	15	07/25/23	<0.98	**6.6**	**130**	<0.98	<0.49	**52**	**12**	**24**	**11**	<0.15	<0.98	**62**	<2.0	<0.49	<0.98	**44**	**53**
MW-12-20.0	20	07/25/23	<0.95	**7.3**	**200**	<0.95	<0.48	**52**	**13**	**23**	**11**	<0.15	<0.95	**56**	<1.9	<0.48	<0.95	**46**	**52**
MW-12-25.0	25	07/25/23	<0.97	**16**	**210**	<0.97	<0.49	**56**	**15**	**39**	**17**	<0.15	<0.97	**61**	<1.9	<0.49	<0.97	**75**	**90**
MW-13-3.0	3	07/31/23	**3.8**	**65**	**4600**	<0.99	**5.7**	**81**	**6.7**	**61**	**200**	**0.49**	<0.99	**25**	**36**	<0.50	<0.99	**18**	**200**
MW-13-5.0	5	07/31/23	<0.97	**15**	**1200**	<0.97	**0.94**	**64**	**9.6**	**30**	**33**	<0.16	<0.97	**52**	**5.6**	<0.49	<0.97	**47**	**81**
MW-13-6.0	6	07/31/23	<0.97	**6.9**	**320**	<0.97	<0.49	**65**	**13**	**32**	**14**	<0.15	<0.97	**58**	<1.9	<0.49	<0.97	**67**	**66**
MW-13-10.0	10	07/31/23	<0.96	**5.1**	**210**	<0.96	<0.48	**59**	**11**	**29**	**7**	<0.14	<0.96	**45**	<1.9	<0.48	<0.96	**52**	**52**
MW-13-15.0	15	07/31/23	<0.97	**3.8**	**200**	<0.97	<0.49	**53**	**14**	**24**	**6.8**	<0.16	<0.97	**59**	<1.9	<0.49	<0.97	**38**	**58**
MW-13-20.0	20	07/31/23	<0.95	**1.9**	**180**	<0.95	**0.48**	**51**	**12**	**25**	**5.3**	<0.14	<0.95	**54**	<1.9	<0.48	<0.95	**33**	**53**
MW-14-5.0	5	07/28/23	<0.99	**2.3**	**260**	<0.99	<0.50	**55**	**7.5**	**28**	**7**	<0.16	<0.99	**44**	<2.0	<0.50	<0.99	**43**	**58**
MW-14-10.0	10	07/28/23	<0.96	**5.7**	**130**	<0.96	<0.48	**46**	**12**	**21**	**5.9**	<0.16	<0.96	**61**	<1.9	<0.48	<0.96	**33**	**46**
MW-14-15.0	15	07/28/23	<0.98	**4.7**	**83**	<0.98	<0.49	**33**	**8.1**	**16**	**4.3**	**0.62**	<0.98	**38**	<2.0	<0.49	<0.98	**28**	**38**
MW-15-5.0	5	07/28/23	<0.97	**3.5**	**110**	<0.97	<0.49	**28**	**6.9**	**13**	**4.1**	<0.16	<0.97	**34**	<1.9	<0.49	<0.97	**24**	**30**
MW-15-10.0	10	07/28/23	<0.96	**4.6**	**120**	<0.96	<0.48	**32**	**9**	**14**	**4.7**	<0.16	<0.96	**38**	<1.9	<0.48	<0.96	**27**	**34**
MW-15-15.0	15	07/28/23	<0.99	**2.6**	**120**	<0.99	<0.50	**42**	**8.7**	**20**	**5.7**	<0.15	<0.99	**48**	<2.0	<0.50	<0.99	**34**	**45**
MW-16-5.0	5	07/27/23	**2.9**	**13**	**200**	<0.99	**2.6**	**80**	**17**	**120**	**630**	**2.9**	**1.5**	**44**	<2.0	<0.50	<0.99	**92**	**600**
MW-16-10.0	10	07/27/23	<0.96	**5.5**	**88**	<0.96	<0.48	**62**	**17**	**40**	**14**	<0.16	<0.96	**35**	<1.9	<0.48	<0.96	**90**	**92**
MW-16-15.0	15	07/27/23	<0.97	**5.3**	**130**	<0.97	<0.49	**35**	**9.3**	**18**	**5.6**	<0.15	<0.97	**47**	<1.9	<0.49	<0.97	**30**	**40**
MW-17-5.0	5	07/26/23	<0.98	**7.5**	**140**	<0.98	<0.49	**58**	**11**	**37**	**13**	<0.16	<0.98	**54**	<2.0	<0.49	<0.98	**54**	**82**
MW-17-10.0	10	07/26/23	<0.96	**6.9**	**400**	<0.96	<0.48	**64**	**11**	**34**	**8.4**	<0.16	<0.96	**52**	<1.9	<0.48	<0.96	**64**	**61**
MW-17-15.0	15	07/26/23	<0.96	**5.8**	**200**	<0.96	<0.48	**63**	**11**	**34**	**6.7**	<0.14	<0.96	**53**	<1.9	<0.48	<0.96	**59**	**60**

Notes:

ESLs = Environmental Screening Levels

Bold text indicates a concentration detected above the laboratory reporting limit.

Green highlighted concentration indicate an exceedance of both the Commercial/Industrial ESLs

Metals analyzed by United States Environmental Protection Agency (USEPA) Methods 6020/7471A.

-- = not established

mg/kg = milligrams per kilogram

ft bgs = feet below ground surface

<X = Not detected at or above laboratory reporting limit X.

[1]San Francisco Bay Regional Water Quality Control Board 2019. *Environmental Screening Levels (ESLs): Direct Exposure Human Health Risk Levels (Table S-1) Commercial/Industrial: Shallow Soil Exposure.* January 2019 (Revision 2).

[2]Arsenic concentrations are compared to the accepted background concentration for the San Francisco Bay Region as presented in "*Establishing Background Arsenic in Soil of The Urbanized San Francisco Bay Region* " by Dylan Jacques Duverge, December 2011.

ROUX

Table 9
Soil Analytical Results - TPH and VOCs
AB&I Redevelopment
7825 San Leandro Street, Oakland, California

Sample ID	Depth (ft bgs)	Sample Date	TPH			VOCs																
			TPH-Gasoline	TPH-Diesel	TPH-Motor Oil	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3,5-Trimethylbenzene
			mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Commercial/Industrial ESLs[1]			*2.0E+03*	*1.2E+03*	*1.8E+05*	*8.9E+03*	*7.3E+06*	*2.7E+03*	*5.1E+03*	*1.6E+04*	*3.5E+05*	--	--	*1.1E+02*	*1.1E+05*	--	*5.9E+01*	*1.6E+02*	*9.4E+06*	*2.1E+03*	*4.4E+03*	--
MW-10-5.0	5	07/26/23	<0.7	<9.9	<20	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3
MW-10-10.0	10	07/26/23	<0.6	<9.9	<20	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-10-15.0	15	07/26/23	<0.6	<10	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
MW-11-5.0	5	07/25/23	<0.7	**21**	**63**	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5
MW-11-10.0	10	07/25/23	<0.6	<10	<20	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-11-14.0	14	07/25/23	**59**	<9.9	<20	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
MW-11-15.0	15	07/25/23	**79**	<9.9	<20	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
MW-12-5.0	5	07/25/23	<0.6	**50**	**150**	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-12-10.0	10	07/25/23	<0.6	<10	<20	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-12-15.0	15	07/25/23	<0.7	<9.9	<20	<3.6	<3.6	<3.6	<3.6	<3.6	**19**	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6
MW-12-20.0	20	07/25/23	<0.6	<10	<20	<3.2	<3.2	<3.2	<3.2	<3.2	**57**	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-12-25.0	15	07/25/23	<0.6	<10	<20	<3.2	<3.2	<3.2	<3.2	<3.2	**28**	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-13-3.0	3	07/31/23	**4.3**	**3400**	**1300**	<160	<160	<160	<160	<160	<160	<160	<160	<160	<160	<160	<160	<160	<160	<160	<160	<160
MW-13-5.0	5	07/31/23	**2.5**	**1400**	**670**	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	**4.6**	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5
MW-13-6.0	6	07/31/23	**150**	**3200**	**1000**	<670	<670	<670	<670	<670	<670	<670	<670	<670	<670	<670	<670	<670	<670	<670	<670	<670
MW-13-10.0	10	07/31/23	**87**	**1900**	**590**	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-13-15.0	15	07/31/23	**68**	**350**	**110**	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1
MW-13-20.0	20	07/31/23	<3.0	**330**	**110**	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-14-5.0	5	07/28/23	<0.7	<10	<20	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4
MW-14-10.0	10	07/28/23	<0.6	<9.9	<20	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1
MW-14-15.0	15	07/28/23	<0.6	<10	<20	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-15-5.0	5	07/28/23	<0.6	<9.9	<20	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-15-10.0	10	07/28/23	<0.6	<10	<20	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-15-15.0	15	07/28/23	<0.7	<10	<20	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5
MW-16-5.0	5	07/27/23	<35	**640**	**1100**	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
MW-16-10.0	10	07/27/23	<0.6	<9.9	<20	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-16-15.0	15	07/27/23	<0.7	<9.9	<20	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4
MW-17-5.0	5	07/26/23	<0.7	<9.9	<20	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4
MW-17-10.0	10	07/26/23	<0.7	<9.9	<20	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3
MW-17-15.0	15	07/26/23	<0.6	<10	<20	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

Table 9
Soil Analytical Results - TPH and VOCs
AB&I Redevelopment
7825 San Leandro Street, Oakland, California

Sample ID	Depth (ft bgs)	Sample Date	VOCs																			
			1,3-Dichlorobenzene µg/kg	1,3-Dichloropropane µg/kg	1,4-Dichlorobenzene µg/kg	2,2-Dichloropropane µg/kg	2-Butanone µg/kg	2-Chlorotoluene µg/kg	4-Chlorotoluene µg/kg	4-Methyl-2-Pentanone µg/kg	Acetone µg/kg	Benzene µg/kg	Bromobenzene µg/kg	Bromochloromethane µg/kg	Bromodichloromethane µg/kg	Bromoform µg/kg	Bromomethane µg/kg	Carbon Tetrachloride µg/kg	Chlorobenzene µg/kg	Chloroethane µg/kg	Chloroform µg/kg	Chloromethane µg/kg
Commercial/Industrial ESLs[1]			--	--	*1.2E+04*	--	*2.0E+08*	--	--	*1.4E+08*	*6.7E+08*	*1.4E+03*	--	--	*1.3E+03*	*8.0E+04*	*3.0E+04*	*2.7E+03*	*1.3E+06*	*5.9E+07*	*1.4E+03*	*4.7E+05*
MW-10-5.0	5	07/26/23	<3.3	<3.3	<3.3	<3.3	<66	<3.3	<3.3	<3.3	<66	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3
MW-10-10.0	10	07/26/23	<3.2	<3.2	<3.2	<3.2	<64	<3.2	<3.2	<3.2	<64	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-10-15.0	15	07/26/23	<3.0	<3.0	<3.0	<3.0	<60	<3.0	<3.0	<3.0	<60	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
MW-11-5.0	5	07/25/23	<3.5	<3.5	<3.5	<3.5	<69	<3.5	<3.5	<3.5	<69	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5
MW-11-10.0	10	07/25/23	<3.2	<3.2	<3.2	<3.2	<64	<3.2	<3.2	<3.2	<64	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-11-14.0	14	07/25/23	<250	<250	<250	<250	<5000	<250	<250	<250	<5000	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
MW-11-15.0	15	07/25/23	<250	<250	<250	<250	<5000	<250	<250	<250	<5000	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
MW-12-5.0	5	07/25/23	<3.2	<3.2	<3.2	<3.2	<65	<3.2	<3.2	<3.2	<65	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-12-10.0	10	07/25/23	<3.2	<3.2	<3.2	<3.2	<64	<3.2	<3.2	<3.2	<64	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-12-15.0	15	07/25/23	<3.6	<3.6	<3.6	<3.6	<72	<3.6	<3.6	<3.6	<72	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6
MW-12-20.0	20	07/25/23	<3.2	<3.2	<3.2	<3.2	<64	<3.2	<3.2	<3.2	<64	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-12-25.0	15	07/25/23	<3.2	<3.2	<3.2	<3.2	<65	<3.2	<3.2	<3.2	<65	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-13-3.0	3	07/31/23	<160	<160	<160	<160	<3200	<160	<160	<160	<3200	<160	<160	<160	<160	<160	<160	<160	<160	<160	<160	<160
MW-13-5.0	5	07/31/23	<3.5	<3.5	<3.5	<3.5	<71	<3.5	<3.5	<5.7	**84**	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5
MW-13-6.0	6	07/31/23	<670	<670	<670	<670	<13000	<670	<670	<670	<13000	<670	<670	<670	<670	<670	<670	<670	<670	<670	<670	<670
MW-13-10.0	10	07/31/23	<3.2	<3.2	<3.2	<3.2	<63	<3.2	<3.2	<3.2	<63	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-13-15.0	15	07/31/23	<3.1	<3.1	<3.1	<3.1	<63	<3.1	<3.1	<5.1	<63	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1
MW-13-20.0	20	07/31/23	<3.2	<3.2	<3.2	<3.2	<64	<3.2	<3.2	<3.2	<64	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-14-5.0	5	07/28/23	<3.4	<3.4	<3.4	<3.4	<69	<3.4	<3.4	<5.6	<69	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4
MW-14-10.0	10	07/28/23	<3.1	<3.1	<3.1	<3.1	<63	<3.1	<3.1	<5.1	<63	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1
MW-14-15.0	15	07/28/23	<3.2	<3.2	<3.2	<3.2	<63	<3.2	<3.2	<5.1	<63	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-15-5.0	5	07/28/23	<3.2	<3.2	<3.2	<3.2	<63	<3.2	<3.2	<5.1	<63	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-15-10.0	10	07/28/23	<3.2	<3.2	<3.2	<3.2	<64	<3.2	<3.2	<5.2	<64	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-15-15.0	15	07/28/23	<3.5	<3.5	<3.5	<3.5	<70	<3.5	<3.5	<5.7	<70	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5
MW-16-5.0	5	07/27/23	<180	<180	<180	<180	<3500	<180	<180	<180	<3500	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180	<180
MW-16-10.0	10	07/27/23	<3.2	<3.2	<3.2	<3.2	<64	<3.2	<3.2	<5.2	**70**	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-16-15.0	15	07/27/23	<3.4	<3.4	<3.4	<3.4	<69	<3.4	<3.4	<3.4	<69	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4
MW-17-5.0	5	07/26/23	<3.4	<3.4	<3.4	<3.4	<68	<3.4	<3.4	<3.4	<68	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4
MW-17-10.0	10	07/26/23	<3.3	<3.3	<3.3	<3.3	<66	<3.3	<3.3	<3.3	<66	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3
MW-17-15.0	15	07/26/23	<3.0	<3.0	<3.0	<3.0	<60	<3.0	<3.0	<3.0	<60	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

Table 9
Soil Analytical Results - TPH and VOCs
AB&I Redevelopment
7825 San Leandro Street, Oakland, California

			VOCs																			
Sample ID	Depth (ft bgs)	Sample Date	cis-1,2-Dichloroethene µg/kg	cis-1,3-Dichloropropene µg/kg	Dibromochloromethane µg/kg	Dibromomethane µg/kg	Dichlorodifluoromethane (Freon-12) µg/kg	Ethylbenzene µg/kg	Freon 113 µg/kg	Hexachlorobutadiene µg/kg	Isopropylbenzene µg/kg	m,p-Xylenes µg/kg	Methylene Chloride µg/kg	Methyl-tert-butyl ether (MTBE) µg/kg	Naphthalene µg/kg	n-Butylbenzene µg/kg	n-Propylbenzene µg/kg	o-Xylene µg/kg	para-Isopropyl Toluene µg/kg	sec-Butylbenzene µg/kg	Styrene µg/kg	tert-Butylbenzene µg/kg
Commercial/Industrial ESLs[1]			*8.5E+04*	--	*3.9E+04*	--	--	*2.6E+04*	--	*5.3E+03*	--	--	*2.5E+04*	*2.1E+05*	*1.7E+04*	--	--	--	--	--	*3.3E+07*	--
MW-10-5.0	5	07/26/23	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<6.6	<6.6	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3
MW-10-10.0	10	07/26/23	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<6.4	<6.4	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-10-15.0	15	07/26/23	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<6.0	<6.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
MW-11-5.0	5	07/25/23	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<6.9	<6.9	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5
MW-11-10.0	10	07/25/23	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<6.4	<6.4	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-11-14.0	14	07/25/23	<250	<250	<250	<250	<250	<250	<250	<250	<250	<500	<500	<250	<250	<250	<250	<250	<250	<250	<250	<250
MW-11-15.0	15	07/25/23	<250	<250	<250	<250	<250	<250	<250	<250	<250	<500	<500	<250	<250	<250	**400**	<250	<250	<250	<250	<250
MW-12-5.0	5	07/25/23	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<6.5	<6.5	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-12-10.0	10	07/25/23	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<6.4	<6.4	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-12-15.0	15	07/25/23	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<7.2	<7.2	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6
MW-12-20.0	20	07/25/23	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<6.4	<6.4	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-12-25.0	15	07/25/23	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<6.5	<6.5	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-13-3.0	3	07/31/23	<160	<160	<160	<160	<160	<160	<160	<160	<160	<320	<320	<160	<160	<160	<160	<160	<160	<160	<160	<160
MW-13-5.0	5	07/31/23	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	**4.3**	<7.1	<7.1	<3.5	**17**	**3.8**	**8.3**	<3.5	<3.5	<3.5	<3.5	<3.5
MW-13-6.0	6	07/31/23	<670	<670	<670	<670	<670	<670	<670	<670	**720**	<1300	<1300	<670	**5400**	**1300**	**1900**	<670	<670	**940**	<670	<670
MW-13-10.0	10	07/31/23	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	**5.7**	<6.3	<6.3	<3.2	<3.2	**75**	<3.2	**3.4**	**3.4**	**59**	<3.2	<3.2
MW-13-15.0	15	07/31/23	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<6.3	<6.3	<3.1	<3.1	**4.8**	<3.1	<3.1	<3.1	**11**	<3.1	<3.1
MW-13-20.0	20	07/31/23	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<6.4	<6.4	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-14-5.0	5	07/28/23	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<6.9	<6.9	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4
MW-14-10.0	10	07/28/23	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<6.3	<6.3	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1
MW-14-15.0	15	07/28/23	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<6.3	<6.3	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-15-5.0	5	07/28/23	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<6.3	<6.3	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-15-10.0	10	07/28/23	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<6.4	<6.4	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-15-15.0	15	07/28/23	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<7.0	<7.0	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5
MW-16-5.0	5	07/27/23	<180	<180	<180	<180	<180	<180	<180	<180	<180	<350	<350	<180	<180	<180	<180	<180	<180	<180	<180	<180
MW-16-10.0	10	07/27/23	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<6.4	<6.4	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-16-15.0	15	07/27/23	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<6.9	<6.9	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4
MW-17-5.0	5	07/26/23	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<6.8	<6.8	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4
MW-17-10.0	10	07/26/23	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<6.6	<6.6	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3
MW-17-15.0	15	07/26/23	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<6.0	<6.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

Table 9
Soil Analytical Results - TPH and VOCs
AB&I Redevelopment
7825 San Leandro Street, Oakland, California

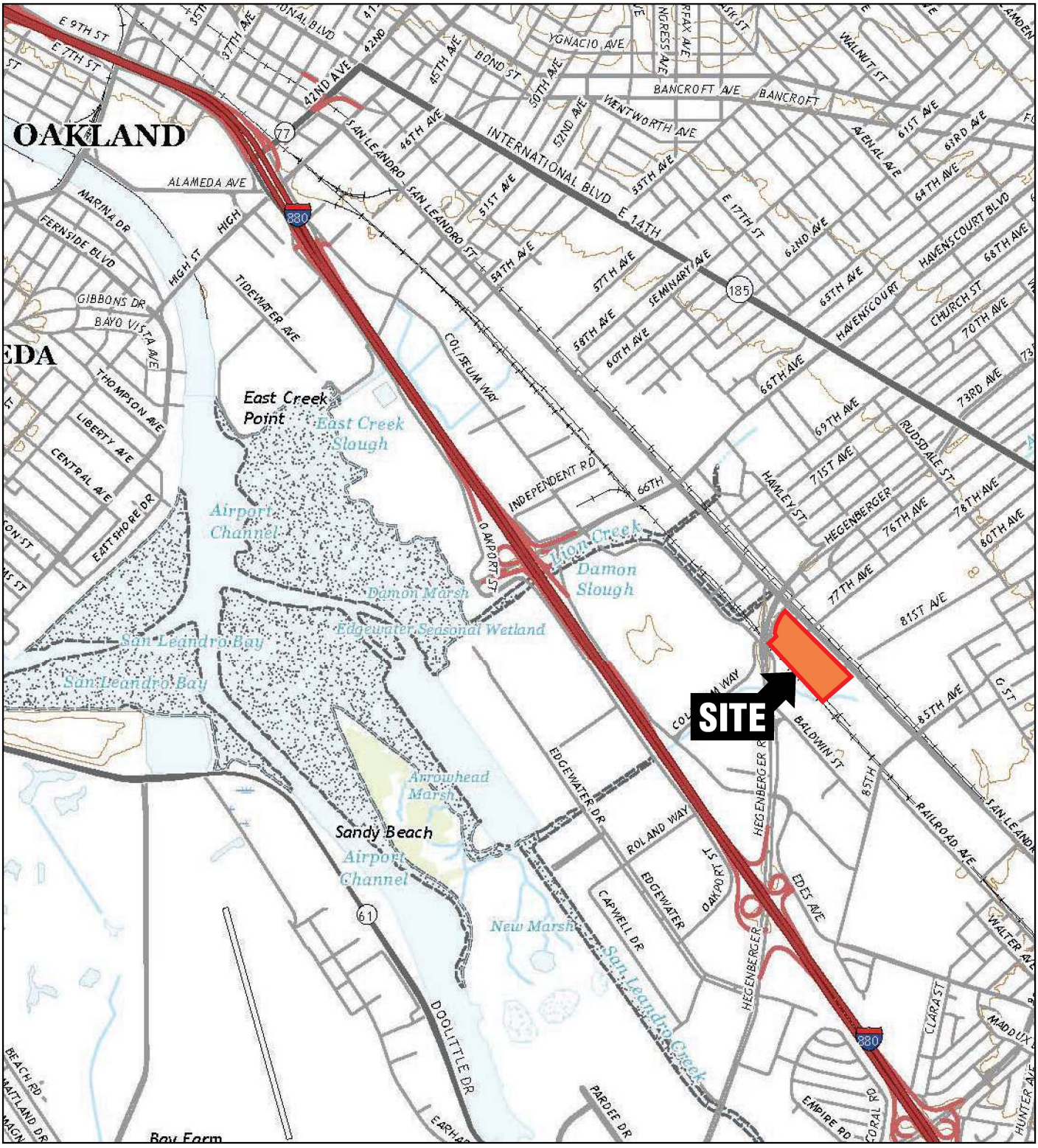
Sample ID	Depth (ft bgs)	Sample Date	VOCs						
			Tetrachloroethene µg/kg	Toluene µg/kg	trans-1,2-Dichloroethene µg/kg	trans-1,3-Dichloropropene µg/kg	Trichloroethene µg/kg	Trichlorofluoromethane µg/kg	Vinyl Chloride µg/kg
Commercial/Industrial ESLs [1]			*2.7E+03*	*5.3E+06*	*6.0E+05*	*--*	*6.1E+03*	*--*	*1.5E+02*
MW-10-5.0	5	07/26/23	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3
MW-10-10.0	10	07/26/23	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-10-15.0	15	07/26/23	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
MW-11-5.0	5	07/25/23	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5
MW-11-10.0	10	07/25/23	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-11-14.0	14	07/25/23	<250	<250	<250	<250	<250	<250	<250
MW-11-15.0	15	07/25/23	<250	<250	<250	<250	<250	<250	<250
MW-12-5.0	5	07/25/23	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-12-10.0	10	07/25/23	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	**9.1**
MW-12-15.0	15	07/25/23	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6	<3.6
MW-12-20.0	20	07/25/23	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-12-25.0	15	07/25/23	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-13-3.0	3	07/31/23	<160	<160	<160	<160	<160	<160	<160
MW-13-5.0	5	07/31/23	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5
MW-13-6.0	6	07/31/23	<670	<670	<670	<670	<670	<670	<670
MW-13-10.0	10	07/31/23	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-13-15.0	15	07/31/23	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1
MW-13-20.0	20	07/31/23	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-14-5.0	5	07/28/23	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4
MW-14-10.0	10	07/28/23	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1
MW-14-15.0	15	07/28/23	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-15-5.0	5	07/28/23	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-15-10.0	10	07/28/23	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-15-15.0	15	07/28/23	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5
MW-16-5.0	5	07/27/23	<180	<180	<180	<180	<180	<180	<180
MW-16-10.0	10	07/27/23	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2
MW-16-15.0	15	07/27/23	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4
MW-17-5.0	5	07/26/23	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4
MW-17-10.0	10	07/26/23	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3
MW-17-15.0	15	07/26/23	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

Table 9
Soil Analytical Results - TPH and VOCs
AB&I Redevelopment
7825 San Leandro Street, Oakland, California

Notes:
ESLs = Environmental Screening Levels
TPH = Total Petroleum Hydrocarbons
VOC = Volatile Organic Compund
-- = not established
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
<X = Not detected at or above laboratory reporting limit X.
Bold text indicates a concentration detected above the laboratory reporting limit.
Yellow highlighted concentration indicate an exceedance of the Commercial/Industrial ESLs
TPH analyzed by Environmental Protection Agency (USEPA) Method 8015B/8015m.
VOCs analyzed by EPA Method 8260B.
[1]San Francisco Bay Regional Water Quality Control Board 2019. *Environmental Screening Levels (ESLs): Direct Exposure Human Health Risk Levels (Table S-1) Commercial/Industrial: Shallow Soil Exposure.* January 2019 (Revision 2).
[2]San Francisco Bay Regional Water Quality Control Board 2019. *Environmental Screening Levels (ESLs): Direct Exposure Human Health Risk Levels (Table S-1) Construction Worker: Any Land Use/Any Depth Soil Exposure.* January 2019 (Revision 2).

FIGURES

1. Site Location Map
2. Site Plan
3. Compounds Exceeding ESLs in Passive Soil Gas
4. Metals Exceeding ESLs in Groundwater
5. Compounds Exceeding ESLs in Groundwater
6. Groundwater Elevation Map
7. Compounds Exceeding ESLs in Soil





SOURCE:
USGS; Oakland East, CA (2021)
and San Leandro, CA (2021)
7.5-Minute Topographic Quadrangles





Title:

SITE LOCATION MAP

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

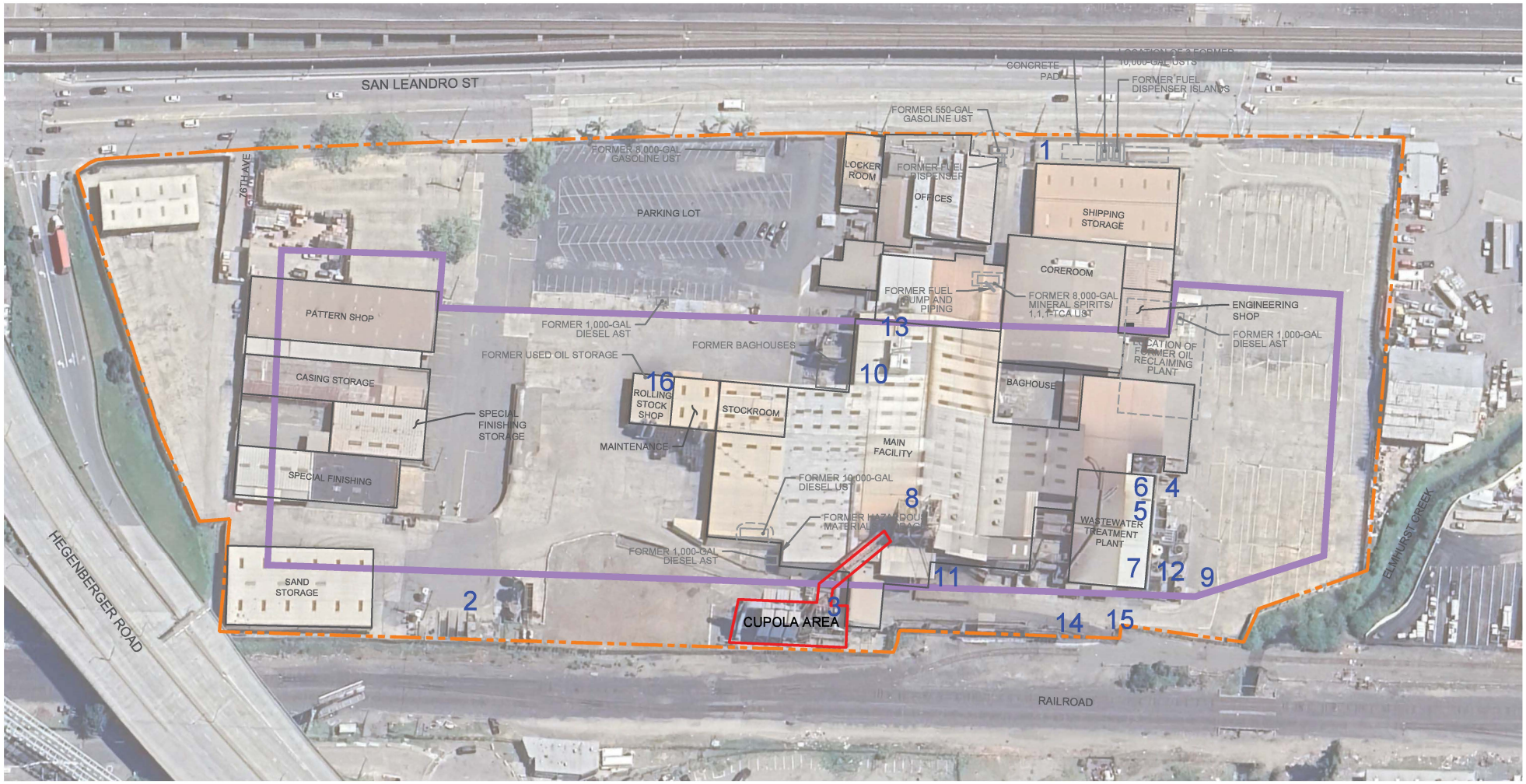
Prepared for:

DUKE REALTY FOUNDRY LP

ROUX

Compiled by: H.R.	Date: 08JUL22	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	1
Project Mgr: H.R.	Project: 2968.0018L000	
File: 2968.0018LTEMP.01.CDR		

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LEGEND

- SITE BOUNDARY
- PROPOSED BUILDING FOOTPRINT
- HISTORICAL AREA OF CONCERN

BASEMAP: GOOGLE EARTH AERIAL, SEPTEMBER 2023

APPROXIMATE PIT LOCATIONS

PIT NO.	DESCRIPTION
1	LOADING DOCK
2	STORMWATER SUMP #1
3	STORMWATER SUMP #2
4	STORMWATER SUMP #3
5	CONTACT RETURN WATER SUMP
6	CONTACT SUMP
7	NON-CONTACT SUMP
8	HOLDING FURNACE PIT
9	PIT UNDER NON-CONTACT COOLING TOWER
10	#1 HOT SAND BELT PIT
11	CHARGE BUCKET PIT
12	CUPOLA HOT WATER RETURN SUMP
13	220 DISA SAND CLEAN OUT PIT
14	COKE UNLOADING PIT - PART 1
15	COKE UNLOADING PIT - PART 2
16	ROLLING STOCK SHOP WASHDOWN PIT

100' 0 100'

Title:

SITE PLAN

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

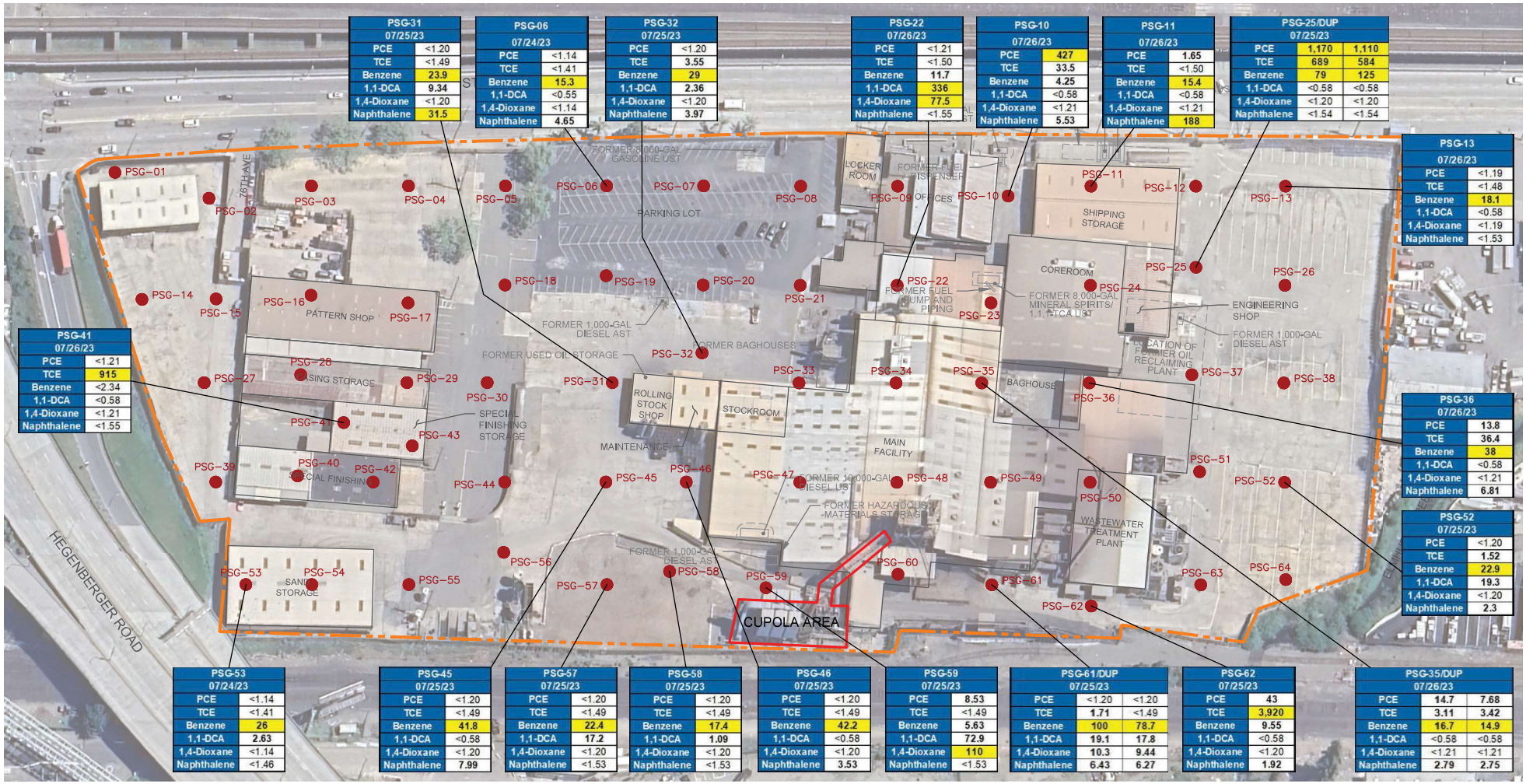
Prepared for:

DUKE REALTY FOUNDRY LP

ROUX

Compiled by: AM	Date: 27SEP2023	FIGURE
Prepared by: ET	Scale: AS SHOWN	2
Project Mgr: HR	Project: 1793.0030S000	
File: 7825 SAN LEANDRO ST.DWG		

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LEGEND

- SITE BOUNDARY
- HISTORICAL AREA OF CONCERN
- PASSIVE SOIL GAS SAMPLING LOCATION

BASEMAP: GOOGLE EARTH AERIAL, SEPTEMBER 2023

NOTES

1. PCE: TETRACHLOROETHENE
2. TCE: TRICHLOROETHENE
3. 1,1-DCA: 1,1-DICHLOROETHANE
4. ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER CUBIC METER ($\mu g/m^3$).
5. <X = NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMIT X.
6. SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL BOARD (RWQCB) 2019. ENVIRONMENTAL SCREENING LEVELS (ESLs): SUBSLAB/SOIL GAS VAPOR INTRUSION: HUMAN HEALTH RISK LEVELS (TABLE SG-1). JANUARY 2019 (REVISION 2).
7. YELLOW HIGHLIGHTED CONCENTRATION EXCEEDS THE COMMERCIAL/ INDUSTRIAL ESL FOR VAPOR INTRUSION RISK.
8. DUP: DUPLICATE SAMPLE

Commercial/Industrial ESLs[6]	
Units	$\mu g/m^3$
PCE	6.7E+01
TCE	1.0E+02
Benzene	1.4E+01
1,1-DCA	2.6E+02
1,4-Dioxane	5.3E+01
Naphthalene	1.2E+01

100' 0 100'

Title:

COMPOUNDS EXCEEDING ESLs IN PASSIVE SOIL GAS

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

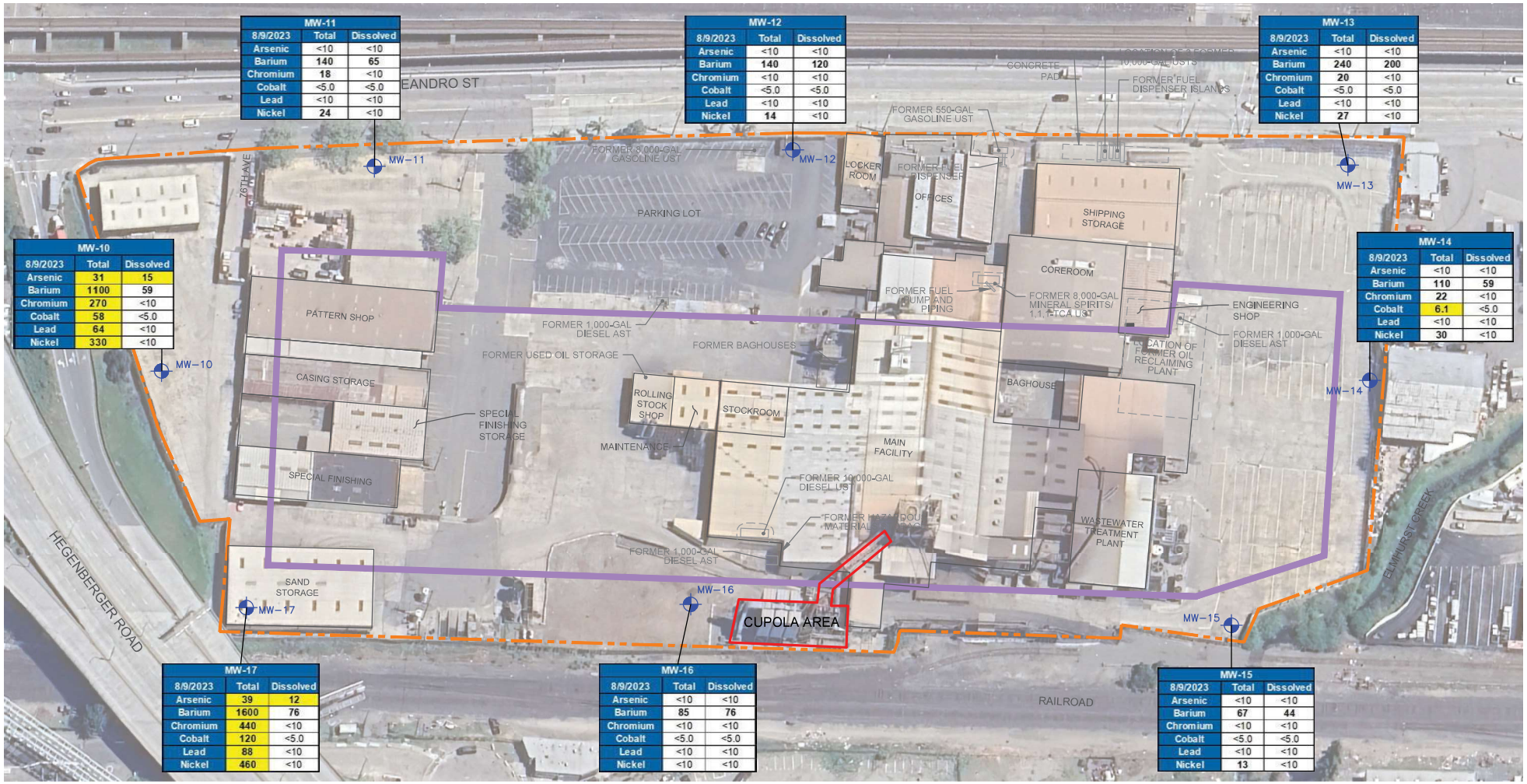
Prepared for:

DUKE REALTY FOUNDRY LP

ROUX

Compiled by: AM	Date: 27SEP2023	FIGURE
Prepared by: ET	Scale: AS SHOWN	3
Project Mgr: HR	Project: 1793.0030S000	
File: 7825 SAN LEANDRO ST.DWG		

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LEGEND

- SITE BOUNDARY
- PROPOSED BUILDING FOOTPRINT
- HISTORICAL AREA OF CONCERN
- GROUNDWATER SAMPLING LOCATION

NOTES

1. ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (µg/L).
2. <X = NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMIT X.
3. RWQCB 2019. ESLs: DIRECT EXPOSURE HUMAN HEALTH RISK LEVELS (TABLE GW-1) MAXIMUM CONTAMINANT LEVEL (MCL) PRIORITY. JANUARY 2019 (REVISION 2).
7. YELLOW HIGHLIGHTED CONCENTRATION EXCEEDS THE MCL PRIORITY ENVIRONMENTAL SCREENING LEVEL (ESL).

MCL Priority List[3]		
Analyte	Total	Dissolved
	ug/l	
Arsenic	1.0E+01	1.0E+01
Barium	1.0E+03	1.0E+03
Chromium	5.0E+01	5.0E+01
Cobalt	6.0E+00	6.0E+00
Lead	1.5E+01	1.5E+01
Nickel	1.0E+02	1.0E+02

BASEMAP: GOOGLE EARTH AERIAL, SEPTEMBER 2023

Title:

METALS EXCEEDING ESLs IN GROUNDWATER

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

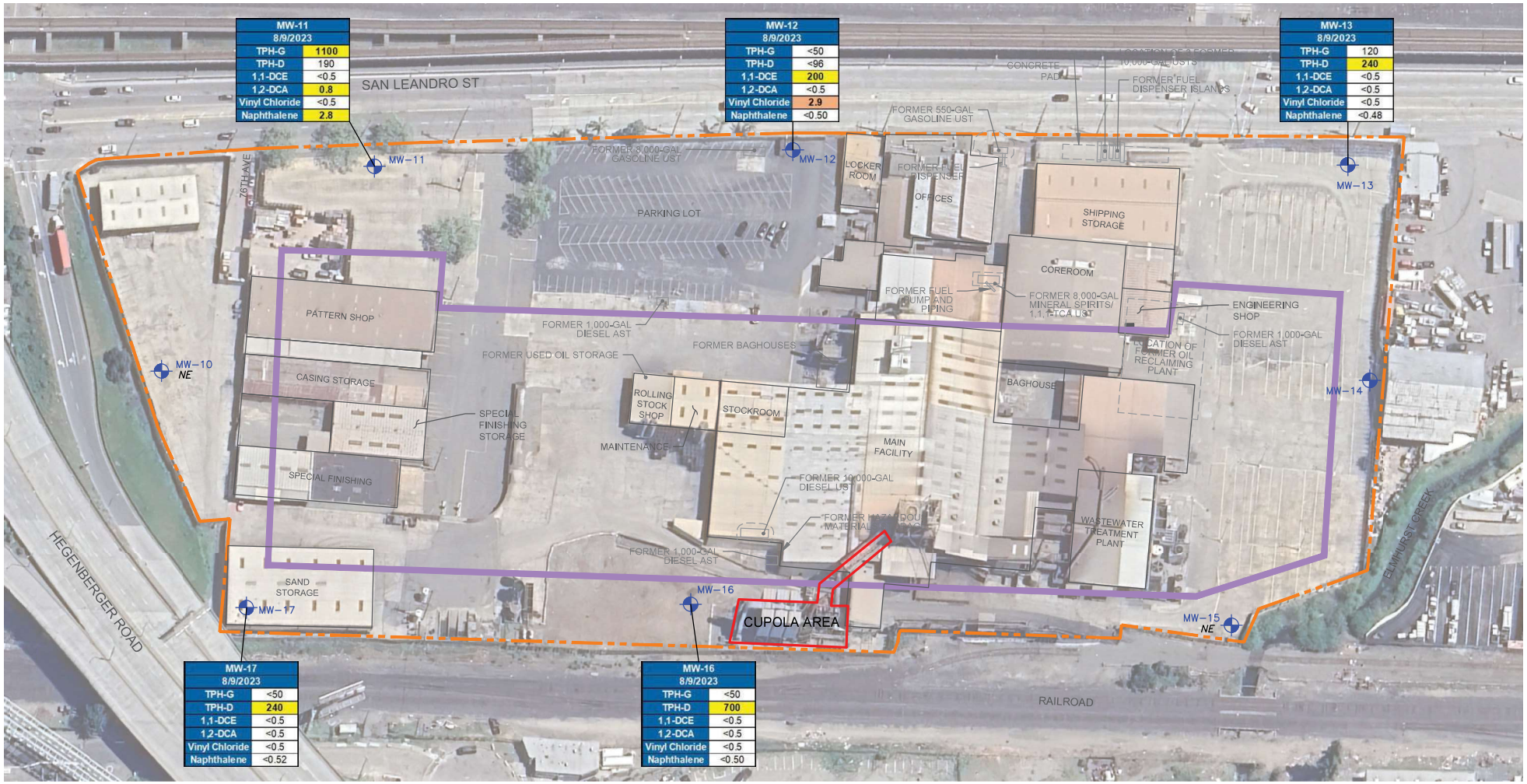
Prepared for:

DUKE REALTY FOUNDRY LP

ROUX

Compiled by: AM	Date: 27SEP2023	FIGURE
Prepared by: ET	Scale: AS SHOWN	4
Project Mgr: HR	Project: 2968.0018L000	
File: 7825 SAN LEANDRO ST.DWG		

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LEGEND

- SITE BOUNDARY
- PROPOSED BUILDING FOOTPRINT
- HISTORICAL AREA OF CONCERN
- GROUNDWATER SAMPLING LOCATION

BASEMAP: GOOGLE EARTH AERIAL, SEPTEMBER 2023

NOTES

1. TPH-G: TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
2. TPH-D: TOTAL PETROLEUM HYDROCARBONS AS DIESEL
3. 1,1-DCE: DICHLOROETHENE
4. 1,2-DCA: DICHLOROETHANE
5. ALL CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER (μg/L).
6. <X = NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMIT X.
7. RWQCB 2019. ENVIRONMENTAL SCREENING LEVELS (ESLs): DIRECT EXPOSURE HUMAN HEALTH RISK LEVELS (TABLE GW-1) . JANUARY 2019 (REVISION 2).
8. YELLOW HIGHLIGHTED CONCENTRATION EXCEEDS THE MAXIMUM CONTAMINANT LEVEL (MCL) PRIORITY ESL.
9. ORANGE HIGHLIGHTED CONCENTRATION EXCEEDS THE COMMERCIAL/INDUSTRIAL ESL.
10. NE: NO EXCEEDANCES

Screening Level	MCL Priority List	Commercial/ Industrial ESLs
Units	μg/L	
TPH-G	7.6E+02	--
TPH-D	2.0E+02	--
1,1-DCE	6.0E+00	2.8E+02
1,2-DCA	5.0E-01	9.8E+00
Vinyl Chloride	5.0E-01	1.4E-01
Naphthalene	1.7E-01	2.0E+01

100' 0 100'

Title:

COMPOUNDS EXCEEDING ESLs IN GROUNDWATER

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

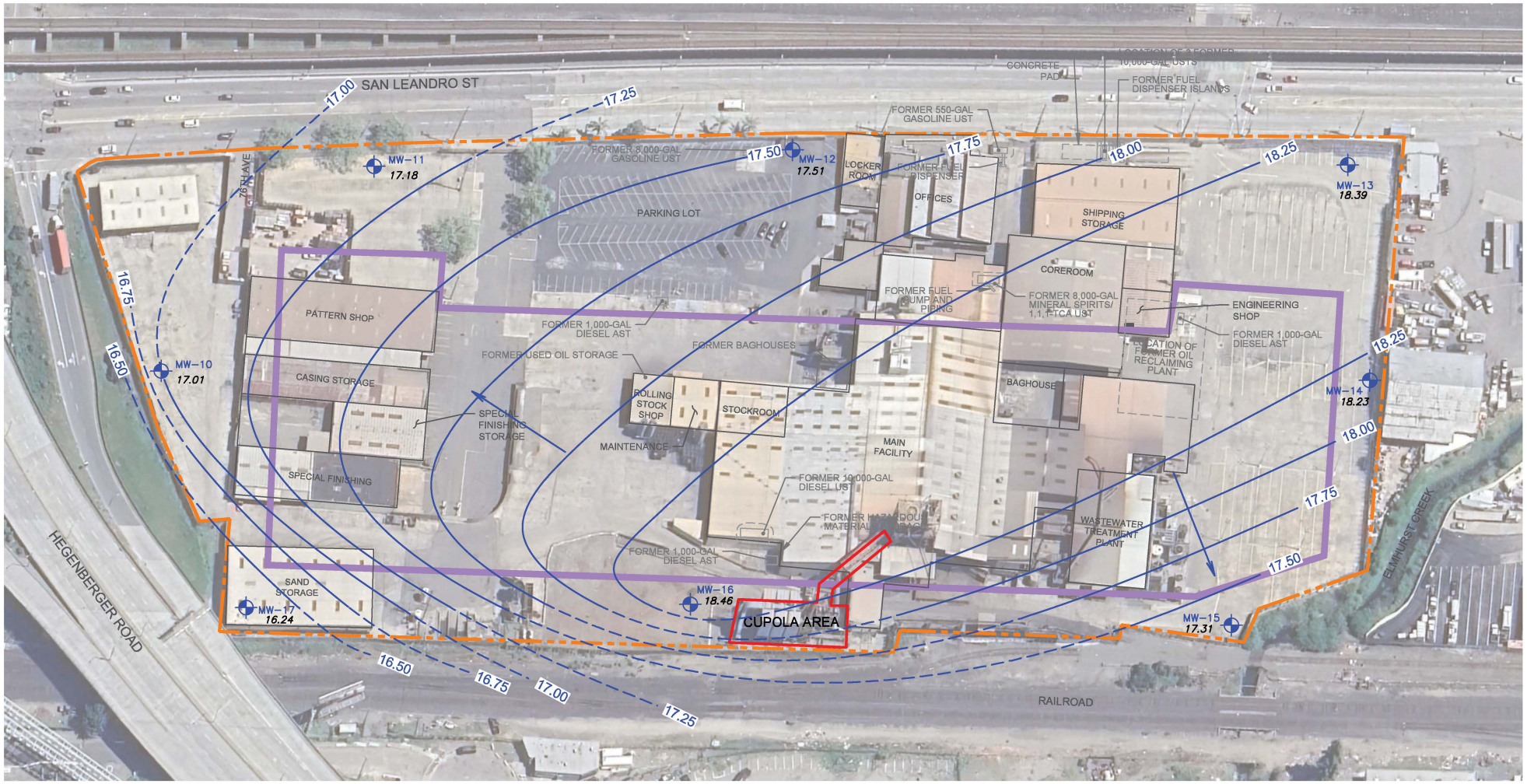
Prepared for:

DUKE REALTY FOUNDRY LP

ROUX

Compiled by: AM	Date: 27SEP2023	FIGURE
Prepared by: ET	Scale: AS SHOWN	5
Project Mgr: HR	Project: 2968.0018L000	
File: 7825 SAN LEANDRO ST.DWG		

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LEGEND

- SITE BOUNDARY
- PROPOSED BUILDING FOOTPRINT
- HISTORICAL AREA OF CONCERN
- ID / ELEV. — GROUNDWATER SAMPLING LOCATION
- GROUNDWATER ELEVATION CONTOUR
- INFERRED GROUNDWATER FLOW DIRECTION

NOTES

1. GROUNDWATER ELEVATIONS REPORTED IN FEET ABOVE MEAN SEA LEVEL, NORTH AMERICAN VERTICAL DATUM (NAVD88).
2. DASHED INDICATES INFERRED CONTOUR.
3. GROUNDWATER WELL GAUGING DATA WAS COLLECTED ON AUGUST 1, 2023.

100' 0 100'

BASEMAP: GOOGLE EARTH AERIAL, SEPTEMBER 2023

Title:

GROUNDWATER ELEVATION MAP

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

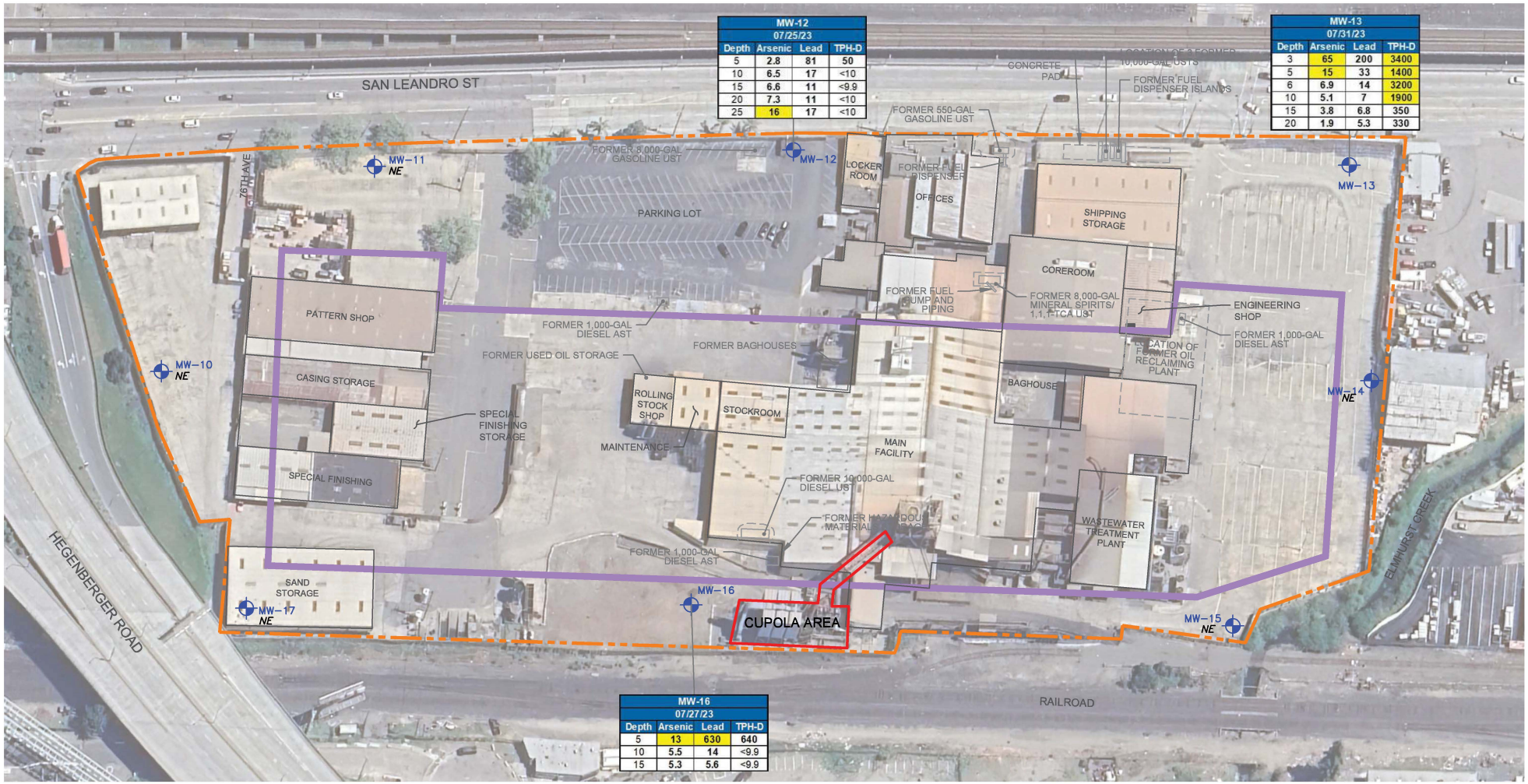
Prepared for:

DUKE REALTY FOUNDRY LP

ROUX

Compiled by: AM	Date: 27SEP2023	FIGURE 6
Prepared by: ET	Scale: AS SHOWN	
Project Mgr: HR	Project: 2968.0018L000	
File: 7825 SAN LEANDRO ST.DWG		

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MW-12 07/25/23			
Depth	Arsenic	Lead	TPH-D
5	2.8	81	50
10	6.5	17	<10
15	6.6	11	<9.9
20	7.3	11	<10
25	16	17	<10

MW-13 07/31/23			
Depth	Arsenic	Lead	TPH-D
3	65	200	3400
5	15	33	1400
6	6.9	14	3200
10	5.1	7	1900
15	3.8	6.8	350
20	1.9	5.3	330

MW-16 07/27/23			
Depth	Arsenic	Lead	TPH-D
5	13	630	640
10	5.5	14	<9.9
15	5.3	5.6	<9.9

LEGEND

- SITE BOUNDARY
- PROPOSED BUILDING FOOTPRINT
- HISTORICAL AREA OF CONCERN
- SOIL BORING LOCATION

NOTES

1. TPH-d: TOTAL PETROLEUM HYDROCARBONS AS DIESEL
2. DEPTH REPORTED IN FEET BELOW GROUND SURFACE
3. ALL CONCENTRATIONS REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg).
4. <X = NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMIT X.
5. RWQCB 2019. ENVIRONMENTAL SCREENING LEVELS (ESLs): DIRECT EXPOSURE HUMAN HEALTH RISK LEVELS (TABLE S-1).
6. "ESTABLISHING BACKGROUND ARSENIC IN SOIL OF THE URBANIZED SAN FRANCISCO BAY REGION" BY DYLAN JACQUES DUVERGE, DECEMBER 2011.
7. YELLOW HIGHLIGHTED CONCENTRATION EXCEEDS THE COMMERCIAL/INDUSTRIAL: SHALLOW SOIL EXPOSURE ESL.

Screening Level[5]	Commercial/ Industrial ESLs
Units	mg/kg
Arsenic[6]	1.1E+01
Lead	3.2E+02
TPH-D	1.2E+03

100' 0 100'

BASEMAP: GOOGLE EARTH AERIAL, SEPTEMBER 2023

Title:

COMPOUNDS EXCEEDING ESLs IN SOIL

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Prepared for:

DUKE REALTY FOUNDRY LP

ROUX

Compiled by: AM	Date: 27SEP2023	FIGURE
Prepared by: ET	Scale: AS SHOWN	7
Project Mgr: HR	Project: 2968.0018L000	
File: 7825 SAN LEANDRO ST.DWG		

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APPENDICES

A. Field Forms
B. Boring & Well Construction Permits
C. Soil Gas Well Construction Details
D. Laboratory Analytical Reports
E. Sampling Point Survey
F. Beacon Passive Soil Gas Surveys

APPENDIX A

Field Forms

MONITORING WELL DEVELOPMENT FORM

Project Number: 1793.cc35ccc
Project Name: AB & I
Well ID: MW-10
Date: 08/01/23
Developed by: Cascade + MAR + AV

Depth to Water: 6.97' from TOC
Total Depth of Well: 14.95' from TOC
Well Diameter: 2.0"
Total Volume Removed: 17.0 gal
Method of Developing: ~~Swab~~ then purge (bailer + pump)

Minimum volume to be removed: V = (Total Depth of Well – Depth to Water) * (Volume gal/ft) * (# of Casing Volumes)

V = (15 ft – 6.97 ft) * (0.1636 gal/ft) * (10)

V = 13.1 gal

Well Diameter (in)	0.52"	1.0"	2.0"	3.0"	4.0"	5.0"	6.0"
Volume (gal/ft)	0.0157	0.0409	0.1636	0.3682	0.6545	1.0227	1.4726

WELL PURGING INFORMATION

TIME	CUMULATIVE VOL REMOVED	TEMP (°C)	Turbidity ~~D.O.~~ (NTU)	pH (units)	O.R.P. (mV)	COND (uS/cm)	REMARKS (color, turbidity, sediment)
1500	3.0	—	—	—	—	—	opaque light brown, very turbid, ~~sediments~~ observed
1511	5.0	19.2	3378	7.22	-478.7	1269	Mare clear, Turbid
1523	8.0	18.9	808	7.05	-506.8	1241	less turbid, still yellow brown
1530	10.0	18.9	449	7.03	-526.1	1233	water level stabilized*
1540	13.0	18.9	252	7.02	-527.1	1231	
1545	15.0	18.9	156	7.02	-527.5	1228	
1555	17.0	19.0	86	7.01	-527.8	1227	slight. more clear

Remarks: 3 gallons purged via bailer. Then purge with pump.

* water level stabilized with flow rate of ~ 0.33 gal/min

MONITORING WELL DEVELOPMENT FORM

Project Number: 1793.CCBOSCCC
Project Name: ABJ
Well ID: MW-11
Date: 08/01/23
Developed by: Cascade + MGR + AV

Depth to Water: 7.52' from TOC
Total Depth of Well: 15'
Well Diameter: 2.0"
Total Volume Removed: 6.0 gallons
Method of Developing: swab & purge (bailer then pump)

Minimum volume to be removed: V = (Total Depth of Well – Depth to Water) * (Volume gal/ft) * (# of Casing Volumes)

V = (15 ft – 7.52 ft) * (0.1636 gal/ft) * (10)

V = 12.2 gal

Well Diameter (in)	0.52"	1.0"	2.0"	3.0"	4.0"	5.0"	6.0"
Volume (gal/ft)	0.0157	0.0409	0.1636	0.3682	0.6545	1.0227	1.4726

WELL PURGING INFORMATION

TIME	CUMULATIVE VOL REMOVED	TEMP (°C)	~~turbidity~~ ~~D.O.~~ (NTU)	pH (units)	O.R.P. (mV)	COND (µS/cm)	REMARKS (color, turbidity, sediment)
1415	5.0	21.3	2679	7.45	-445.0	1444	very turbid, green-grey
1420	6.0	DRY	→	→	→	→	→

Remarks: Purged 2.5 gal w/ bailer to begin. Then pump for rest of purge.

*Development stopped prior to 10 casing volume removal. Recharging very slowly due to clayey soil.

MONITORING WELL DEVELOPMENT FORM

Project Number: 1793.003050CO
Project Name: AB ; I
Well ID: MW-12
Date: 08/01/23
Developed by: Cascade + MOR + AV

Depth to Water: 8.53' from TOC
Total Depth of Well: 24.80' from TOC
Well Diameter: 2.0"
Total Volume Removed: 96 gallons
Method of Developing: Swab ; Purge (10 casing volumes)

Minimum volume to be removed: V = (Total Depth of Well – Depth to Water) * (Volume gal/ft) * (# of Casing Volumes)

V = (25 ft – 8.53 ft) * (0.1636 gal/ft) * (10)

V = 26.9 gal

Well Diameter (in)	0.52"	1.0"	2.0"	3.0"	4.0"	5.0"	6.0"
Volume (gal/ft)	0.0157	0.0409	0.1636	0.3682	0.6545	1.0227	1.4726

WELL PURGING INFORMATION

TIME	(gal) CUMULATIVE VOL REMOVED	TEMP (°C)	Turbidity ~~D.O.~~ (NTU)	pH (units)	O.R.P. (mV)	COND (uS)	REMARKS (color, turbidity, sediment)
0803	7.0	21.1	—	4.87	NM 3.5	2171	Brown, turbid, some sed
0840	14.0	21.1	—	6.06	-134	2137	Slightly lighter, Turbid
0850	17.0	21.0	—	6.27	-145	2132	Lighter, mod. turbid
0858	20.0	21.0	—	6.48	-152	2132	Lighter, turbid
0906	23.0	21.1	—	6.71	-189	2118	"
0915	26.0	20.9	—	6.84	-197	2127	"
0924	29.0	21.1	~912	6.82	-213	2123	* Sample diluted for turbidity (per pm)
0947	35.0	21.2	786	7.02	-146	2114	Lighter, slightly turbid
0953	38.0	21.1	688	7.01	-182	2115	Lighter, still turbid
1000	41.0	21.2	592	7.03	-200	2116	Lighter
1005	43.0	21.0	429	7.01	-247	2107	
1132	57.0	20.8	790	6.95	-157.9	2165	Beginning YSI
1144	59.0	20.8	1265	6.92	-248.3	2227	
1151	61.0	20.8	695	6.92	-425.5	2224	

HACH 2100Q Turbid. + Ultrameter

* Re-swabbed

YSI ProDSS

Remarks: First 3 gal purged w/ bailers. Then, purge via low flow methods (pump + tubing).

*Re-swabbed after 10:05 due to increasing turbidity. Meters changed from pH Ultrameter II (Myron) and HACH 2100Q turbidimeter to YSI ProDSS.

MONITORING WELL DEVELOPMENT FORM

Project Number: _____
Project Name: ABI I
Well ID: MW-12
Date: 08/09/23
Developed by: Cascade + MGR + AV

Depth to Water: _____
Total Depth of Well: 25'
Well Diameter: 2 in
Total Volume Removed: 96 gallons
Method of Developing: Purge

Minimum volume to be removed: V = (Total Depth of Well – Depth to Water) * (Volume gal/ft) * (# of Casing Volumes)

V = (_____ ft – _____ ft) * (_____ gal/ft) * (_____)

V = _____ gal

Well Diameter (in)	0.52"	1.0"	2.0"	3.0"	4.0"	5.0"	6.0"
Volume (gal/ft)	0.0157	0.0409	0.1636	0.3682	0.6545	1.0227	1.4726

WELL PURGING INFORMATION

TIME	CUMULATIVE VOL REMOVED	TEMP (°C)	~~Turbidity~~ ~~D.O.~~ (NTU)	pH (units)	O.R.P. (mV)	COND (uS/cm)	REMARKS (color, turbidity, sediment)
1155	63.0	20.8	599	6.92	~~-412.3~~ ~~2247~~	2232	
1205	66.0	20.8	430	6.92	-433.2	2236	
1215	70.0	20.8	357	6.91	-416.9	2250	
1222	72.0	20.8	293	6.91	-416.8	2245	
1230	75.0	20.8	176	6.90	-487.1	2254	
1239	78.0	20.8	125	6.91	-360.7	2264	
1245	81.0	20.8	108	6.90	-347.0	2259	
1256	84.0	20.8	72.0	6.90	-337.3	2240	
1303	93.0	20.8	70.0	6.89	-347.9	2260	
1310	96.0	20.8	152.	6.89	-382.4	2256	

Remarks:

MONITORING WELL DEVELOPMENT FORM

Project Number: 1793.0030S
Project Name: ABGI
Well ID: MW-13
Date: 08/02/23
Developed by: Cascade + MGR

Depth to Water: 5.95' from TOC
Total Depth of Well: 19.9' from TOC
Well Diameter: 2.0"
Total Volume Removed: 30.0 gal
Method of Developing: Swab/Surge + Purge (bailer then pump)

Minimum volume to be removed:

V = (Total Depth of Well – Depth to Water) * (Volume gal/ft) * (# of Casing Volumes)

V = (20 ft – 5.95 ft) * (0.1636 gal/ft) * (10)

V = 22.98 gal

Well Diameter (in)	0.52"	1.0"	2.0"	3.0"	4.0"	5.0"	6.0"
Volume (gal/ft)	0.0157	0.0409	0.1636	0.3682	0.6545	1.0227	1.4726

WELL PURGING INFORMATION

TIME	CUMULATIVE VOL REMOVED	TEMP (°C)	Turbidity ~~D.O.~~ (NTU)	pH (units)	O.R.P. (mV)	COND (uS/cm)	REMARKS (color, turbidity, sediment)
1517	4.0	—	—	—	—	—	Brown/gray, slight sheen, turbid, lots of sediment
1530	6.0	19.9	4843	7.00	38.4	1345	Gray, turbid, some sediment
1535	9.0	19.9	2385	6.95	-38.8	1326	Less gray, more clear
1540	11.0	19.8	1350	6.91	-21.7	1319	More clear, slightly gray
1546	15.0	19.7	880	6.90	-70.7	1310	Slightly gray
1552	18.0	19.7	685	6.89	-84.0	1306	More clear
1558	21.0	19.7	548	6.88	-94.6	1307	More clear
1601	23.0	19.7	502	6.87	-96.8	1306	
1608	28.0	19.7	388	6.87	-104.2	1304	

Remarks: 4.0 gal removed via bailer. Then purge w/ pump.

Recharges quickly

MONITORING WELL DEVELOPMENT FORM

Project Number: 1793.00308
Project Name: AB&I
Well ID: MW-14
Date: 08/02/23
Developed by: Cascade + MGR

Depth to Water: 4.7' from TOC
Total Depth of Well: 14.9' from TOC
Well Diameter: 2.0"
Total Volume Removed: 19.0 gal
Method of Developing: Swab/Surge + Purge (bailer then pump)

Minimum volume to be removed: V = (Total Depth of Well – Depth to Water) * (Volume gal/ft) * (# of Casing Volumes)

V = (15 ft – 4.7 ft) * (0.1636 gal/ft) * (10)

V = 16.9 gal

Well Diameter (in)	0.52"	1.0"	2.0"	3.0"	4.0"	5.0"	6.0"
Volume (gal/ft)	0.0157	0.0409	0.1636	0.3682	0.6545	1.0227	1.4726

WELL PURGING INFORMATION

TIME	CUMULATIVE VOL REMOVED	TEMP (°C)	~~D.O.~~ Turbidity (NTU)	pH (units)	O.R.P. (mV)	COND (uS/cm)	REMARKS (color, turbidity, sediment)
1310	3.0	—	—	—	—	—	Lots of sediment, light brown, very turbid
1338	4.5	19.1	1097	7.09	135.7	1249	Less turbid, light brown
1344	6.5	18.8	418	7.02	86.3	1224	More clear
1350	8.0	18.7	141	7.00	67.2	1197	clear
1357	9.0	18.7	134	6.99	54.2	1201	clear
1404	11.0	18.6	76	6.98	44.8	1193	clear
1410	12.5	18.6	95	6.98	45.4	1197	clear
1418	15.0	18.5	49	6.97	36.4	1210	clear
1420	16.0	18.6	(11)	6.96	29.8	1185	clear
1430	18.0	18.5	30	6.96	25.6	1190	clear

Remarks: 3.0 gal purged via bailer. Then purge w/ pump.

MONITORING WELL DEVELOPMENT FORM

Project Number: 1793.0030S000
Project Name: AB&I
Well ID: MW-15
Date: 08/02/23
Developed by: Cascade + MGR

Depth to Water: 5.01' from TOC
Total Depth of Well: 14.85' from TOC
Well Diameter: 2.0"
Total Volume Removed: 5.0 gal
Method of Developing: Swab/Surge + Purge w/ bailer then pump

Minimum volume to be removed: V = (Total Depth of Well – Depth to Water) * (Volume gal/ft) * (# of Casing Volumes)

V = (15 ft – 5.01 ft) * (0.1636 gal/ft) * (10)

V = 16.3 gal

Well Diameter (in)	0.52"	1.0"	2.0"	3.0"	4.0"	5.0"	6.0"
Volume (gal/ft)	0.0157	0.0409	0.1636	0.3682	0.6545	1.0227	1.4726

WELL PURGING INFORMATION

TIME	(gal) CUMULATIVE VOL REMOVED	TEMP (°C)	~~Turbidity~~ ~~D.O.~~ (NTU)	pH (units)	O.R.P. (mV)	COND (uS/cm)	REMARKS (color, turbidity, sediment)
1130	3.0	—	—	—	—	—	Brown/gray Turbid, light sedimentation
1220	4.0	20.3	2997	7.59	150.3	2198	More clear, brown/gray turbid
1224	5.0	20.8	2525	7.59	148.8	2179	Now Recharging slowly.
1226	5.0	DRY					→ Purge paused.
Resume Purge → 1315	5.0	20.3	2250	7.76	74.9	2182	well gassed again. very turbid

Remarks: 3.0 gal removed via bailer. Water appears to be recharging quickly. Pause for lunch. Resume @ 1228. Paused @ 1230 to allow water to recharge.

@1315 – only ~2ft of water in well. Purge remaining water and cease development.

MONITORING WELL DEVELOPMENT FORM

Project Number: 1793.00305000
Project Name: AB & I
Well ID: MW-16
Date: 08/02/23
Developed by: Cascade + MGR

Depth to Water: 6.28'
Total Depth of Well: ~~14.82'~~ 14.82'
Well Diameter: 2.0"
Total Volume Removed: 15.0 gallons
Method of Developing: swab/surge + Purge (w/ bailer then pump)

Minimum volume to be removed: V = (Total Depth of Well – Depth to Water) * (Volume gal/ft) * (# of Casing Volumes)

V = (15 ft – 6.28 ft) * (0.1636 gal/ft) * (10)

V = 14.3 gal

Well Diameter (in)	0.52"	1.0"	2.0"	3.0"	4.0"	5.0"	6.0"
Volume (gal/ft)	0.0157	0.0409	0.1636	0.3682	0.6545	1.0227	1.4726

WELL PURGING INFORMATION

TIME	(gal) CUMULATIVE VOL REMOVED	TEMP (°C)	Turbidity ~~D.O.~~ (NTU)	pH (units)	O.R.P. (mV)	COND (uS/cm)	REMARKS (color, turbidity, sediment)
0930	3.0	—	—	—	—	—	Dark brown / black very turbid, slight odor
0950	5.0	18.5	223	7.75	-70.8	2746	Running clearer, still black
0956	7.0	18.3	413	7.82	-212.4	2713	Black
0959	8.0	18.3	365	7.79	-213.6	2630	Black
1009	10.0	18.0	609	7.79	-158.9	2990	Black
1019	11.5	18.5	168	7.87	-65.7	2458	Clear
1023	12.0	18.3	49	7.82	-95.5	2463	Clear
1029	13.0	18.4	66	7.86	-52.6	2478	Clear
1032	14.0	18.3	16	7.84	-44.9	2458	Clear + Purge purge. water level for. * Resume
1043	15.0	18.6	13	7.88	-57	2378	Clear

Remarks: 3.0 gal removed via bailer. Then, purged with pump.

MONITORING WELL DEVELOPMENT FORM

Project Number: 1793.003080CC
Project Name: ABI
Well ID: MW-17
Date: 08/02/23
Developed by: Cascade + MGR

Depth to Water: 5.17'
Total Depth of Well: ~~5.17'~~ 14.66'
Well Diameter: 2.0"
Total Volume Removed: 4.5'
Method of Developing: swab/surge then purge (bailer then pump)

Minimum volume to be removed: V = (Total Depth of Well – Depth to Water) * (Volume gal/ft) * (# of Casing Volumes)

V = (15 ft – 5.17 ft) * (0.1636 gal/ft) * (10)

V = 16.1 gal

Well Diameter (in)	0.52"	1.0"	2.0"	3.0"	4.0"	5.0"	6.0"
Volume (gal/ft)	0.0157	0.0409	0.1636	0.3682	0.6545	1.0227	1.4726

WELL PURGING INFORMATION

TIME	(gal) CUMULATIVE VOL REMOVED	TEMP (°C)	Turbidity ~~D.O.~~ (NTU)	pH (units)	O.R.P. (mV)	COND ( )	REMARKS (color, turbidity, sediment)
0730	—	—	—	—	—	—	Lots of sediment 14-15' bgs
0800	2.0	—	—	—	—	—	* well dry - wait to recharge
0825	3.0	—	—	—	—	—	Recharging slowly, very turbid
PAUSE → 0840	4.0	DRY	→	→	→	→	* DRY - purge paused.
RESUME PURGE → 1637	~~4.5~~ 4.5	18.0	3861	7.35	126.0	1983	Very turbid.
1640	4.5	DRY	→	→	→	→	well goes dry. very slow recharge

Remarks: Purge 2.0 gal w/ bailer. Then switch to pump. After 4.0 gal removed, well development paused due to very slow recharge. ~~Then~~ After second attempt to purge, well goes dry again. Cease development.

* Initial color: light brown, opaque, very turbid. Lots of sedimentation.

WELL GAUGING SHEET

Project # 230809NG-1 Date 8/9/23 Client ROUX

Site: ABPI Foundry / 7825 San Leandro St. Oakland Page: 1 OF 1

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-10	0758	2	—	—	—	—	7.00	14.65	TOC	
MW-11	0753	2	—	—	—	—	7.30	15.12	TOC	
MW-12	0748	2	—	—	—	—	7.91	24.88	TOC	
MW-13	0826	2	—	—	—	—	5.98	19.76	TOC	
MW-14	0822	2	—	—	—	—	4.84	14.82	TOC	
MW-15	0815	2	—	—	—	—	5.23	14.72	TOC	
MW-16	0811	2	—	—	—	—	6.40	14.65	TOC	
MW-17	0805	2	—	—	—	—	7.65	14.80	TOC	
									TOC	
									TOC	
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									TOC	
									TOC	
									TOC	

GROUNDWATER SAMPLING FORM

Project Name ABAJ
Project Number ~~08 60~~ 23 8 69 NG-1
Well No. MW-10
Well Type [X] Monitor [ ] Extraction [ ] Other
Recorded By NG
Sampled by Tomas Moore
Date 8/9/23

WELL PURGING

PURGE VOLUME

Well casing diameter
[X] 2-inch [ ] 4-inch [ ] Other 1 4 . 6.5
Well Total Depth (TD, ft. below TOC) : 7.00
Depth to Water (WL, ft. below TOC) :
Depth to free phase hydrocarbons (FP, ft. below TOC) :
Number of casing volumes to be purged
[ ] 4 [ ] 10 [ ] Other

PURGE METHOD
[ ] Bailer \ Type
[✓] Low Flow QED
[ ] Other

PUMP INTAKE
[ ] Near top Depth (ft)
[✓] Near Bottom Depth (ft)
[ ] Other 11

PURGE VOLUME CALCULATION

7.65	x	0.17	x	1.3	=	gals
Water Column Length		Multiplier		No. Vols		CALCULATED PURGE VOLUME

Total Purge Time
(Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)
Recharge Rate
Purge Rate 700 mL/m

gals
ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENTS Meter Type Bio quatro

Time / Gallons	pH	Cond. (mmhos/cm)	Temp deg C / deg F	Turbidity (NTU)	DO:	Color / Odor Remarks	ORP
1313 / 600	6.60	1672	22.6	>1000	1.96	Brown	28.3
1316 / 1200	6.48	1695	22.6	>1000	1.39		28.1
1319 / 1800	6.32	1736	22.6	>1000	1.23		25.7
1322 / 2400	6.29	1741	22.1	>1000	1.24		25.1
1325 / 3000	6.28	1752	22.1	>1000	1.23		24.5
/							
/							
/							

Comments during well purge

Purge water storage/disposal [ ] Drummed onsite [ ] Other

WELL SAMPLING

SAMPLING METHOD Date/Time Sampled 8/9/23 @ 1330
Low Flow [X] Sample port [ ] Other [✓] low flow

GROUNDWATER SAMPLE PARAMETER MEASUREMENTS Meter Type

Date / Time / % Recharge	pH	Cond. (mmhos/cm)	Temp deg C / deg F	Turbidity (NTU)	Color / Odor Remarks
/ /					

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
MW-10				Eurofins	
See COC					
COC					

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

GROUNDWATER SAMPLING FORM

Project Name ABT | Well No. MW-11

Project Number 230809MG | Well Type ☑ Monitor ☐ Extraction ☐ Other

Recorded By TM | Sampled by Tomas Moore | Date 8-9-23

WELL PURGING

PURGE VOLUME

Well casing diameter

☒ 2-inch ☐ 4-inch ☐ Other 15.12

Well Total Depth (TD, ft. below TOC): 7.30

Depth to Water (WL, ft. below TOC):

Depth to free phase hydrocarbons (FP, ft. below TOC):

Number of casing volumes to be purged

☐ 4 ☐ 10 ☐ Other

PURGE METHOD

☐ Bailer \ Type

☑ Low Flow (QED)

☐ Other

PUMP INTAKE

☐ Near top Depth (ft)

☐ Near Bottom Depth (ft)

☐ Other 7.0

PURGE VOLUME CALCULATION

Water Column Length	X Multiplier	X No. Vols	=
			gals CALCULATED PURGE VOLUME

(Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)

gals ACTUAL PURGE VOLUME

Total Purge Time

Recharge Rate

Purge Rate 200 mL/m

GROUNDWATER PARAMETER MEASUREMENTS Meter Type Aquacon

Time / ~~Gallons~~ mL	pH	Cond. (mmhos/cm)	Temp ☒ deg C ☐ deg F	Turbidity (NTU)	DO	Color / Odor Remarks	ORP
1235 / 600	7.11	1376	23.1	>1000	1.21	Brown	103.2
1238 / 1200	7.08	1411	23.6	646	1.16		114.1
1241 / 1800	7.02	1412	23.0	501	0.99		115.6
1244 / 2400	7.00	1401	22.9	509	0.95		117.2
1247 / 3000	6.99	1395	22.9	504	0.96	↓	120.9
/							
/							
/							

Comments during well purge

Purge water storage/disposal ☒ Drummed onsite ☐ Other

WELL SAMPLING

SAMPLING METHOD Date/Time Sampled 8-9-23 / 1252

Low Flow ☑ Sample port ☐ Other ☑ low flow

GROUNDWATER SAMPLE PARAMETER MEASUREMENTS Meter Type

Date / Time / % Recharge	pH	Cond. (mmhos/cm)	Temp ☐ deg C ☐ deg F	Turbidity (NTU)	Color / Odor Remarks
/ /					

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
MW-11				Enthalpy	

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

GROUNDWATER SAMPLING FORM

Project Name: ABSI | Well No.: MW-12
Project Number: 230809NG-1 | Well Type: [x] Monitor [ ] Extraction [ ] Other
Recorded By: TM | Sampled by: TM | Date: 8-9-23

WELL PURGING

PURGE VOLUME

Well casing diameter: [x] 2-inch [ ] 4-inch [ ] Other
Well Total Depth (TD, ft. below TOC): 24.88
Depth to Water (WL, ft. below TOC): 7.47
Depth to free phase hydrocarbons (FP, ft. below TOC):
Number of casing volumes to be purged: [ ] 4 [ ] 10 [ ] Other

PURGE METHOD

[ ] Bailer \ Type
[x] Low Flow: Bladder QED
[ ] Other

PUMP INTAKE

[ ] Near top Depth (ft)
[x] Near Bottom Depth (ft): 21
[ ] Other

PURGE VOLUME CALCULATION

Water Column Length	x Multiplier	x No. Vols	= gals CALCULATED PURGE VOLUME
			gals ACTUAL PURGE VOLUME

Total Purge Time:
Recharge Rate:
(Multiplier: 2" = 0.17, 4" = 0.66, 6" = 1.5)
Purge Rate: 200 mL/m

GROUNDWATER PARAMETER MEASUREMENTS Meter Type:

Time / Gallons mL	pH	Cond. (mmhos/cm)	Temp [x] deg C [ ] deg F	Turbidity (NTU)	Color / Odor Remarks	DO	ORP
1157 / 600	7.76	2121	24.4	271	Brown	1.59	64
1200 / 1200	7.71	1806	24.4	179		1.03	61
1203 / 1800	7.63	1971	24.4	301		0.79	87
1206 / 2400	7.61	1951	24.5	297		0.77	90
1209 / 3000	7.60	1963	24.5	299		0.75	92
/							
/							
/							

Comments during well purge

Purge water storage/disposal: [x] Drummed onsite [ ] Other

WELL SAMPLING

SAMPLING METHOD: Low Flow [x] Date/Time Sampled: 8-9-23 / @1214
Sample port [ ] Other [x] low flow

GROUNDWATER SAMPLE PARAMETER MEASUREMENTS Meter Type: pro quatro

Date / Time / % Recharge	pH	Cond. (mmhos/cm)	Temp [ ] deg C [ ] deg F	Turbidity (NTU)	Color / Odor Remarks
/ /					

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
MW-12				Enthalpy	

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

GROUNDWATER SAMPLING FORM

Project Name 230809NG-15 Well No. MW-13
Project Number ABAI Well Type [X] Monitor [ ] Extraction [ ] Other
Recorded By NG, HJ Sampled by NG, HJ Date 8/9/23

WELL PURGING

PURGE VOLUME

Well casing diameter
[X] 2-inch [ ] 4-inch [ ] Other
Well Total Depth (TD, ft. below TOC): 19.76
Depth to Water (WL, ft. below TOC): 5.98
Depth to free phase hydrocarbons (FP, ft. below TOC):
Number of casing volumes to be purged
[ ] 4 [ ] 10 [ ] Other

PURGE METHOD
[ ] Bailer \ Type
[✓] Low Flow QED
[ ] Other
PUMP INTAKE
[ ] Near top Depth (ft)
[ ] Near Bottom Depth (ft)
[X] Other 13'

PURGE VOLUME CALCULATION

Water Column Length	X Multiplier	X No. Vols	= gals CALCULATED PURGE VOLUME
1113			

(Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)

Total Purge Time
Recharge Rate Purge Rate

gals ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENTS Meter Type

Time / Gallons / DTW	pH	Cond. (mmhos/cm)	Temp [✓] deg C [ ] deg F	Turbidity (NTU)	Color / Odor Remarks	DO	ORP
1116 / 0.052/min	7.33	1448	20.74	1000	cloudy white	77	147.3
1119 / 6.05	7.26	1440	20.55	1000	" "	56	129.4
1122 / 6.05	7.21	1430	20.24	1000	" "	51	121.9
1125 / 6.05	7.25	1415	20.43	1000	" "	48	114.2
1128 / 6.05	7.24	1410	20.65	1000	" "	54	107.2
/							
/							
/							

Comments during well purge Final DTW: 6.00
Purge water storage/disposal [X] Drummed onsite [ ] Other

WELL SAMPLING

SAMPLING METHOD Date/Time Sampled 8/9/23, 1133
Low Flow [ ] Sample port [ ] Other [✓] low flow
GROUNDWATER SAMPLE PARAMETER MEASUREMENTS Meter Type

Date / Time / % Recharge	pH	Cond. (mmhos/cm)	Temp [X] deg C [ ] deg F	Turbidity (NTU)	DO / Color / Odor Remarks	ORP
8/9/23 / 1133 /	7.25	1410	21.02	1000	0.49 / cloudy	103.5

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
MW-13	11 bottles	see	COC.	Enthalpy	

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

GROUNDWATER SAMPLING FORM

Project Name 230809 NG-15 Well No. MW-14
Project Number AB & I Well Type [X] Monitor [ ] Extraction [ ] Other
Recorded By NG, HJ Sampled by NG Date 8/9/23

WELL PURGING

PURGE VOLUME

Well casing diameter
[X] 2-inch [ ] 4-inch [ ] Other
Well Total Depth (TD, ft. below TOC) : 14.82
Depth to Water (WL, ft. below TOC) : 4.84
Depth to free phase hydrocarbons (FP, ft. below TOC) :
Number of casing volumes to be purged
[ ] 4 [ ] 10 [ ] Other

PURGE METHOD
[ ] Bailer \ Type
[✓] Low Flow QED
[ ] Other
PUMP INTAKE
[ ] Near top Depth (ft)
[ ] Near Bottom Depth (ft)
[X] Other 9.83

PURGE VOLUME CALCULATION

Water Column Length	X Multiplier	X No. Vols	= gals CALCULATED PURGE VOLUME
			gals ACTUAL PURGE VOLUME

Total Purge Time 20 min (Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)
Recharge Rate Purge Rate 200 ml/min

GROUNDWATER PARAMETER MEASUREMENTS Meter Type

Time / Gallons	pH	Cond. (mmhos/cm)	Temp [X] deg C [ ] deg F	Turbidity (NTU)	Color / Odor Remarks	DO	ORP
1219 / 5.30	7.53	1429	21.10	936	cloudy, white	1.04	107.5
1222 / 5.34	7.31	1423	20.87	673		1.09	107.2
1225 / 5.42	7.23	1425	20.56	573		1.21	105.6
1228 / 5.45	7.17	1416	20.16	461		1.13	101.3
1231 / 5.47	7.12	1397	19.87	252	↓	1.09	97.0
/							
/							
/							

Comments during well purge Start purge: 1216 purge: 200 ml/min
Final DTW: 5.58 Purge water storage/disposal [X] Drummed onsite [ ] Other

WELL SAMPLING

SAMPLING METHOD Date/Time Sampled 8/9/23 / 1236
Low Flow [X] Sample port [ ] Other [✓] low flow

GROUNDWATER SAMPLE PARAMETER MEASUREMENTS Meter Type

Date / Time / % Recharge	pH	Cond. (mmhos/cm)	Temp [X] deg C [ ] deg F	Turbidity (NTU)	Color / Odor Remarks	DO	ORP
8/9/23 / 1236 /	7.07	1322	19.63	2.17	clear, white	0.79	93.4

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
MW-14	11 containers	see C.O.C.		Enthalpy	

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

GROUNDWATER SAMPLING FORM

Project Name 230809NG-15 Well No. MW-15
Project Number 4B9T2 Well Type [X] Monitor [ ] Extraction [ ] Other
Recorded By UG, HJ Sampled by NG, HJ Date 8/9/23

WELL PURGING

PURGE VOLUME
Well casing diameter
[X] 2-inch [ ] 4-inch [ ] Other
Well Total Depth (TD, ft. below TOC) : 14.72
Depth to Water (WL, ft. below TOC) : 5.23
Depth to free phase hydrocarbons (FP, ft. below TOC) :
Number of casing volumes to be purged
[ ] 4 [ ] 10 [ ] Other

PURGE METHOD
[ ] Bailer \ Type
[✓] Low Flow QED
[ ] Other
PUMP INTAKE
[ ] Near top Depth (ft)
[ ] Near Bottom Depth (ft)
[X] Other 10'

PURGE VOLUME CALCULATION

Water Column Length	x Multiplier	x No. Vols	= gals CALCULATED PURGE VOLUME
—	—	—	gals ACTUAL PURGE VOLUME

Total Purge Time 20 min (Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)
Recharge Rate Purge Rate 200 ml/min

GROUNDWATER PARAMETER MEASUREMENTS Meter Type

Time / Gallons	DTW	pH	Cond. (mmhos/cm)	Temp [X] deg C [ ] deg F	Turbidity (NTU)	Color / Odor Remarks	DO	ORP
1326 / 5.53		7.37	2088	23.34	612	cloudy, white	4.57	121.3
1329 / 5.55		7.15	2046	23.65	476		4.55	131.8
1332 / 5.58		7.17	2001	23.79	409		4.63	130.5
1335 / 5.63		7.19	1978	23.81	249		4.64	128.2
1338 / 5.67		7.26	1998	23.71	153	✓	4.70	123.8
/								
/								
/								

Comments during well purge stable purge: 1323
Purge water storage/disposal [✓] Drummed onsite [ ] Other

WELL SAMPLING

SAMPLING METHOD Date/Time Sampled 8/9/23 1343
Low Flow [ ] Sample port [ ] Other [✓] low flow
GROUNDWATER SAMPLE PARAMETER MEASUREMENTS Meter Type

Date / Time / % Recharge	pH	Cond. (mmhos/cm)	Temp [X] deg C [ ] deg F	Turbidity (NTU)	Color / Odor Remarks	DO	ORP
8/9/23 / 1343 /	7.28	2062	23.49	127	clarity, white	4.78	121.2

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
MW-15	11 bottles	see C.O.C.		Enthalpy	

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

GROUNDWATER SAMPLING FORM

Project Name 230809.NG-15 Well No. MW-16

Project Number AB&I Well Type [X] Monitor [ ] Extraction [ ] Other

Recorded By JM Sampled by TM Date 8/9/23

WELL PURGING

PURGE VOLUME

Well casing diameter

[X] 2-inch [ ] 4-inch [ ] Other

Well Total Depth (TD, ft. below TOC) : 14.65

Depth to Water (WL, ft. below TOC) : 6.40

Depth to free phase hydrocarbons (FP, ft. below TOC) :

Number of casing volumes to be purged

[ ] 4 [ ] 10 [ ] Other

PURGE METHOD

[ ] Bailer \ Type

[✓] Low Flow QED

[ ] Other

PUMP INTAKE

[ ] Near top Depth (ft)

[ ] Near Bottom Depth (ft)

[X] Other 10.5

PURGE VOLUME CALCULATION

Water Column Length	X	Multiplier	X	No. Vols	=	gals
						CALCULATED PURGE VOLUME

Total Purge Time

Recharge Rate

(Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)

Purge Rate 200mL

gals ACTUAL PURGE VOLUME

GROUNDWATER PARAMETER MEASUREMENTS Meter Type

Time / Gallons mL	pH	Cond. (mmhos/cm)	Temp [ ] deg C [ ] deg F	Turbidity (NTU)	Color / Odor Remarks	D.O	ORP
1415 / 600	7.12	2455	20.7	>1000	Brown 6.42	1.16	107.1
1418 / 1200	7.09	2126	20.7	>1000	6.45	0.96	100.2
1421 / 1800	7.06	2309	20.7	>02	6.48	0.85	98.7
1424 / 2400	7.07	2291	20.7	706	6.51	0.91	95.2
1427 / 3000	7.07	2285	20.7	698	6.59	0.80	90.8
/							
/							
/							

Comments during well purge

Purge water storage/disposal [X] Drummed onsite [ ] Other

WELL SAMPLING

SAMPLING METHOD Date/Time Sampled 8/9/23 / 1430

Low Flow [✓] Sample port [ ] Other [✓] low flow

GROUNDWATER SAMPLE PARAMETER MEASUREMENTS Meter Type

Date / Time / % Recharge	pH	Cond. (mmhos/cm)	Temp [ ] deg C [ ] deg F	Turbidity (NTU)	Color / Odor Remarks
8/9/23 / /					

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
MW-16	11 bottles	see C.O.C.		Enthalpy	

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

GROUNDWATER SAMPLING FORM

Project Name 230809 UG-15 Well No. MW-17

Project Number ~~230809.01.01~~ 1841.2 Well Type [X] Monitor [ ] Extraction [ ] Other

Recorded By TM Sampled by Tomas Moore Date 8/9/23

WELL PURGING

PURGE VOLUME

Well casing diameter

[X] 2-inch [ ] 4-inch [ ] Other

Well Total Depth (TD, ft. below TOC): 14.80

Depth to Water (WL, ft. below TOC): 7.65

Depth to free phase hydrocarbons (FP, ft. below TOC):

Number of casing volumes to be purged

[ ] 4 [ ] 10 [ ] Other

PURGE METHOD

[ ] Bailer \ Type

[✓] Low Flow QED

[ ] Other

PUMP INTAKE

[ ] Near top Depth (ft)

[ ] Near Bottom Depth (ft)

[X] Other 11.22

PURGE VOLUME CALCULATION

Water Column Length	X	Multiplier	X	No. Vols	=	gals
						CALCULATED PURGE VOLUME
						gals
						ACTUAL PURGE VOLUME

Total Purge Time

(Multiplier : 2" = 0.17, 4" = 0.66, 6" = 1.5)

Recharge Rate Purge Rate 200 mL/m

GROUNDWATER PARAMETER MEASUREMENTS Meter Type PIO quatro

Time / Gallons	pH	Cond. (mmhos/cm)	Temp (deg C / deg F)	Turbidity (NTU)	Color / Odor Remarks	DO	ORP
1317 / 600	6.67	1509	20.4	71000	Brown	1.96	176.5
1350 / 12000	6.53	1746	20.4	71000	7.66	1.85	171.2
1353 / 1800	6.49	1716	20.5	71000	7.69	1.71	165.8
1356 / 2400	6.47	1704	20.5	71000	7.74	1.70	161.2
1359 / 3000	6.46	1701	20.6	71000	7.75	1.69	160.9
/							
/							
/							

Comments during well purge

Purge water storage/disposal [X] Drummed onsite [ ] Other

WELL SAMPLING

SAMPLING METHOD Date/Time Sampled 8/9/23 @ 1409

Low Flow [✓] Sample port [ ] Other [✓] low flow

GROUNDWATER SAMPLE PARAMETER MEASUREMENTS Meter Type

Date / Time / % Recharge	pH	Cond. (mmhos/cm)	Temp (deg C / deg F)	Turbidity (NTU)	Color / Odor Remarks
8/9/23 / /					

SAMPLING PROGRAM

Sample No.	Container #/Volume	Analysis	Preservatives	Laboratory	Comments
MW-17	11 bottles	see C.O.C.		Enthalpy	

QUALITY CONTROL SAMPLES

Duplicate Samples

Original Sample No.	Duplicate Sample No.

Blank Samples

Type	Sample No.
Trip	
Rinsate	
Transfer	
Other:	

ROUX

WELLHEAD INSPECTION CHECKLIST

Client Roux Date 8/9/23

Site Address 7825 San Leandro St, Oakland

Job Number 230809NG-1 Technician NG, HJ

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-10	X							
MW-11	X							
MW-12	X							
MW-13	X							
MW-14	X							
MW-15	X							
MW-16	X							
MW-17	X							

NOTES:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME	ABEI Foundry			PROJECT NUMBER	230809NG-1		
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI 556 MPS	04L1009	8/9/23 0834	PH: 7 4 10	7.00 4.00 10.00	yes	21.6	NG
↓	↓	↓	cond: 3400 ORP: 237	3890 237	yes	21.7	NG
↓	↓	↓	DO: 100%	100%	yes		NG

APPENDIX B

Boring & Well Construction Permits

Alameda County Public Works Agency - Water Resources Well Permit

Public Works Agency
Alameda County

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 07/13/2023 By Eneyew

Permit Numbers: W2023-0500 to W2023-0508
Permits Valid from 07/24/2023 to 08/14/2023

Application Id: 1689028687503 **City of Project Site:** Oakland
Site Location: 7825 San Leandro St, Oakland, CA 94621, USA-CASE #: RO0003535- 64 Passive Soil Gas Samplers (Passive soil gas (PSG) and 8 Ground Water Monitoring Wells
Project Start Date: 07/24/2023 **Completion Date:** 08/14/2023
Assigned Inspector: Contact Tony Xiong at (510) 213-9906 or tonyx@grzones.com

Applicant: Roux Associates, Inc. - Harold Rush
555 12st, STE 250, Oakland, CA 94607 **Phone:** 510-703-6273
Property Owner: Gavin Fisco
Pier 1, Bay 1, San Francisco, CA 94111 **Phone:** 415-733-9410
Client: Harold Rush
555 12th st, STE 250, Oakland, CA 94607 **Phone:** 510-703-6273
Contact: Harold Rush **Phone:** --
Cell: --

Total Due: $3441.00
Receipt Number: WR2023-0266 **Total Amount Paid:** $3441.00
Payer Name : Harold Rush Paid By: MC **PAID IN FULL**

Works Requesting Permits:

Well Construction-Vapor monitoring well-Vapor monitoring well - 64 Wells
Driller: Blaine Tech Drilling - Lic #: 746684 - Method: other **Work Total: $265.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2023-0500	07/13/2023	10/22/2023	PSG1	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG10	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG11	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG12	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG13	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG14	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG15	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG16	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG17	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG18	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG19	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG2	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG20	1.50 in.	0.25 in.	3.00 ft	3.00 ft

Alameda County Public Works Agency - Water Resources Well Permit

W2023-0500	07/13/2023	10/22/2023	PSG21	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG22	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG23	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG24	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG25	1.35 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG26	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG27	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG28	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG29	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG3	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG30	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG31	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG32	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG33	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG34	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG35	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG36	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG37	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG38	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG39	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG4	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG40	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG41	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG42	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG43	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG44	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG45	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG46	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG47	1.50 in.	0.25 in.	3.00 ft	3.00 ft

W2023-0500	07/13/2023	10/22/2023	PSG48	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG49	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG5	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG50	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG51	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG52	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG53	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG54	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG55	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG56	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG57	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG58	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG59	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG6	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG60	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG61	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG62	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG63	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG64	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG7	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG8	1.50 in.	0.25 in.	3.00 ft	3.00 ft
W2023-0500	07/13/2023	10/22/2023	PSG9	1.50 in.	0.25 in.	3.00 ft	3.00 ft

Specific Work Permit Conditions

1. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

2. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground

Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned.

4. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

5. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

7. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

8. NOTE:
Under California laws, the owner/operator are responsible for reporting the contamination to the governmental regulatory agencies under Section 25295(a). The owner/operator is liable for civil penalties under Section 25299(a)(4) and criminal penalties under Section 25299(d) for failure to report a leak. The owner/operator is liable for civil penalties under Section 25299(b)(4) for knowing failure to ensure compliance with the law by the operator. These penalty provisions do not apply to a potential buyer.

9. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Temp Vapor wells shall not be converted to monitoring Vapor wells, without a seperate permit application process.

10. Vapor monitoring wells constructed with tubing shall be decomissioned by complete removal of tubing, grout seal, and fill material of sand or bentonite. Fill material may be removed by hand auger if material can be removed completely or by overdrilling the borehole to total depth.

Vapor monitoring wells constructed with pvc pipe less than 2" shall be overdrilled to total depth.

Vapor monitoring wells constructed with 2" pvc pipe or larger may be grouted by tremie pipe (any depth) or pressure grouted (less than 30', 25 psi for 5 min).

11. All borehole destruction work requires inspection by ACPWA; Except for special circumstances, all work that requires inspection must be performed during the work hours of 9:00 a.m. to 3:30 p.m., Monday through Friday, except holidays.

Alameda County Public Works Agency - Water Resources Well Permit

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2023-0501	07/13/2023	10/22/2023	MW-10	8.00 in.	2.00 in.	5.00 ft	25.00 ft
W2023-0502	07/13/2023	10/22/2023	MW-11	8.00 in.	2.00 in.	5.00 ft	25.00 ft
W2023-0503	07/13/2023	10/22/2023	MW-12	8.00 in.	2.00 in.	5.00 ft	25.00 ft
W2023-0504	07/13/2023	10/22/2023	MW-13	8.00 in.	2.00 in.	5.00 ft	25.00 ft
W2023-0505	07/13/2023	10/22/2023	MW-14	8.00 in.	2.00 in.	5.00 ft	25.00 ft
W2023-0506	07/13/2023	10/22/2023	MW-15	8.00 in.	2.00 in.	5.00 ft	25.00 ft
W2023-0507	07/13/2023	10/22/2023	MW-16	8.00 in.	2.00 in.	5.00 ft	25.00 ft
W2023-0508	07/13/2023	10/22/2023	MW-17	8.00 in.	2.00 in.	5.00 ft	25.00 ft

Specific Work Permit Conditions

1. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

2. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned.

4. Drillers shall submit Well Completion Reports (WCRs) to the Department of Water Resources (DWR) using the Online System of Well Completion Reports (OSWCR) within 30 days from the completion of drilling work at https://civicnet.resources.ca.gov/DWR_WELLS/

After the Well Completion Report (WCR) through the State has been filed, please send the filed copy /copies of WCR reports (PDF copy only) to Alameda County Public Works Agency. These WCRs report copy/copies filed shall be received within the same 30 day requirement to the State and to the County. The WCRs PDF's may be emailed as an attachment to wells@acpwa.org. Only then will your permit be deemed closed.

A One hundred dollars ($100.00) Fine for each month the WCR are due will be applied per permit or until $500.00 fine has been reached, then an enforcement action will take place.

5. Remove the Christy box or similar structure. Drill out & Replace with New Well.

6. Applicant shall submit the copies of the approved encroachment permit to this office within 10 days.

7. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

8. All borehole destruction work requires inspection by ACPWA; Except for special circumstances, all work that requires inspection must be performed during the work hours of 9:00 a.m. to 3:30 p.m., Monday through Friday, except holidays.

9. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.

10. Minimum surface seal thickness is two inches of cement grout placed by tremie.

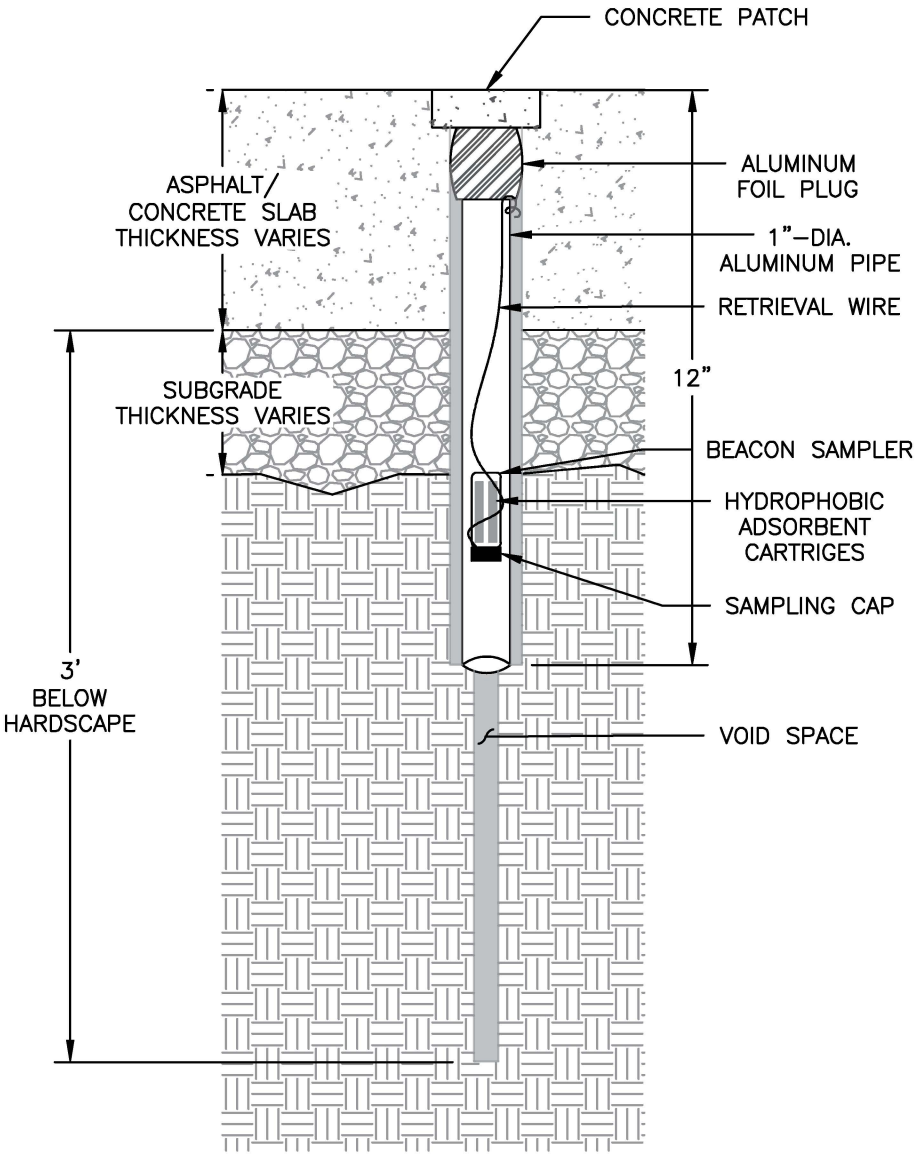
11. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.

12. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

13. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

APPENDIX C

Soil Gas Well Construction Details



NOTES

1. PSG-57 AND PSG-58 HAD 4" OF SOIL AT THE SURFACE IN ADDITION TO HARDSCAPE. THE SAMPLE DEPTH AT THESE LOCATIONS WAS STILL 3' BELOW THE HARDSCAPE, CONSISTENT WITH OTHER SAMPLE LOCATIONS.

Title:

PASSIVE SOIL GAS SAMPLER CONSTRUCTION DETAIL

7825 SAN LEANDRO STREET
OAKLAND, CALIFORNIA

Prepared for:

DUKE REALTY FOUNDRY LP

ROUX

Compiled by: H.R.	Date: 04OCT2023	FIGURE
Prepared by: E.T.	Scale: AS SHOWN	02
Project Mgr: H.R.	Project: 2968.0018L000	
File: 7825 SAN LEANDRO ST.DWG		

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209 Shafter Street
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WELL CONSTRUCTION LOG

WELL NO.	NORTHING	EASTING
MW-10	2100498.77	6071436.31

PROJECT NO./NAME	LOCATION
1793.0030S000 / AB&I Redevelopment	7825 San Leandro Street, Oakland, CA

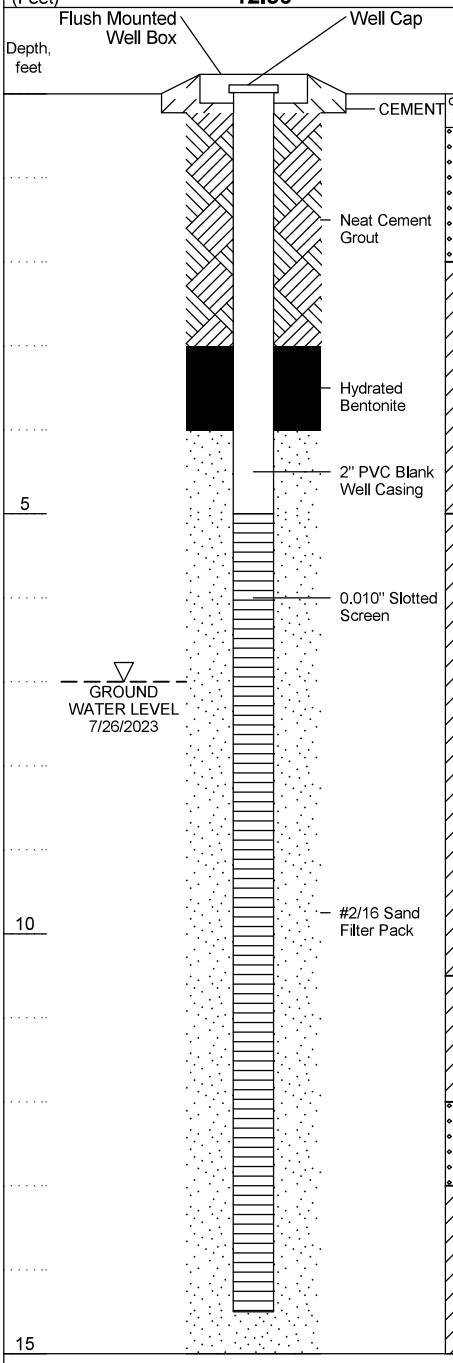
APPROVED BY	LOGGED BY
H. Rush	J. Aguayo

DRILLING CONTRACTOR/DRILLER	GEOGRAPHIC AREA
C-57 1058336 / Cascade Drilling	San Francisco Bay Area

DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
6-in. / Auger	6-inches	Geoprobe / HA, DPT, & HSA	2" Macro-Core	7/26/23-7/26/23

CASING MAT./DIA.	SCREEN: TYPE	MAT.	TOTAL LENGTH	DIA.	SLOT SIZE
PVC / 2-inch	Slotted	PVC	9.5 ft	2-inch	10-Slot

ELEVATION OF: (Feet)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN	GRAVEL PACK SIZES
	12.36	24.01	7.4 / -2.1	#2/16



Depth, feet	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
	Concrete			(X, X, X) corresponds to (% Gravel, % Sand, % Fines).
	Gravelly SAND, some clay and silt (SW): Orange brown; medium dense; dry; little to no plasticity; well graded; fine to coarse grained, subangular sand and gravel; (30, 50, 20).		0.3	bgs = below ground surface.
	Sandy CLAY with gravel and silt (CL): Brown; medium stiff; dry; low plasticity; well graded; fine to coarse grained, subangular sand and gravel; (20, 30, 50).			HA - Hand Auger
				DPT = Direct Push Technology
			0.3	HSA = Hollow Stem Auger
5		MW-10-5.0		PVC = Polyvinyl Chloride
	CLAY with sand (CL): Black; medium stiff; dry; low plasticity; moderately graded; fine to coarse grained, subangular sand; (0, 20, 80).			
10		MW-10-10.0		
	Sandy CLAY, some gravel (CL): Orange brown; soft; dry; low plasticity; moderately graded; fine to coarse grained, subangular sand; (10, 30, 60).		0.6	
	Gravelly SAND, some clay and silt (SW): Orange brown; loose; wet; non-plastic; moderately graded; medium to coarse grained, subangular sand and gravel; (30, 60, 10).		1.6	
	Sandy CLAY (CL): Orange brown; soft; moist; low plasticity; moderately graded; medium to coarse grained, subangular sand and gravel; (5, 30, 65).		0.1	Bottom of boring at 15 feet bgs.
15		MW-10-15.0		

BORING/FEET AB&I 07.2023 BORING LOGS.GPJ ROUX.GDT 10/2/23

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WELL CONSTRUCTION LOG

WELL NO.	NORTHING	EASTING
MW-11	**2100480.16**	**6071738.36**

PROJECT NO./NAME	LOCATION
1793.0030S000 / AB&I Redevelopment	**7825 San Leandro Street, Oakland, CA**

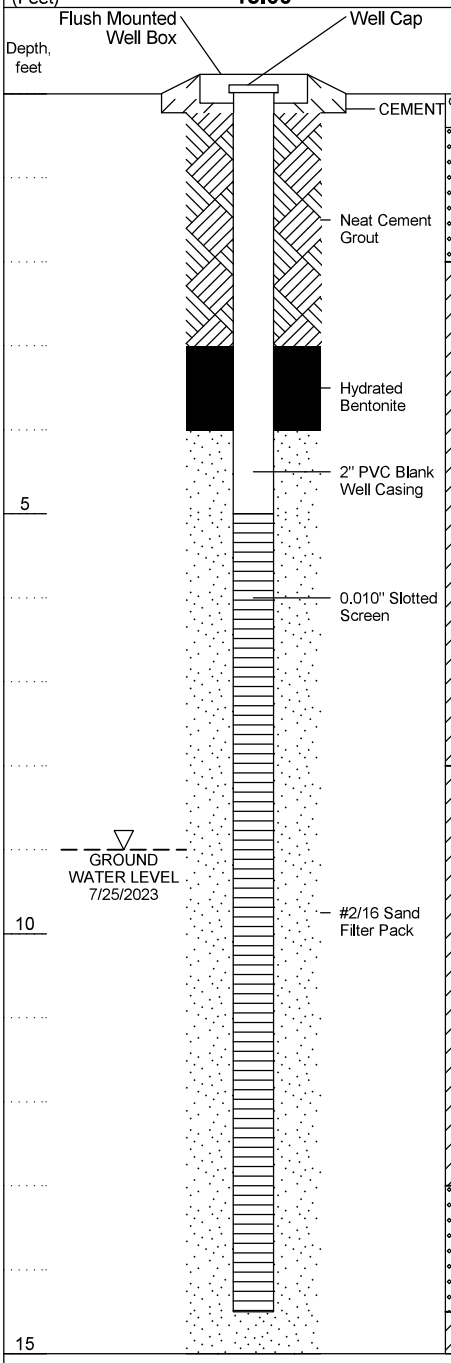
APPROVED BY	LOGGED BY
H. Rush	**J. Aguayo**

DRILLING CONTRACTOR/DRILLER	GEOGRAPHIC AREA
C-57 1058336 / Cascade Drilling	**San Francisco Bay Area**

DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
6-in. / Auger	**6-inches**	**Geoprobe / HA, DPT, & HSA**	**2" Macro-Core**	**7/25/23-7/25/23**

CASING MAT./DIA.	SCREEN: TYPE	MAT.	TOTAL LENGTH	DIA.	SLOT SIZE
PVC / 2-inch	**Slotted**	**PVC**	**9.5 ft**	**2-inch**	**10-Slot**

ELEVATION OF: (Feet)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN	GRAVEL PACK SIZES
	13.00	**24.48**	**8.0 / -1.5**	**#2/16**



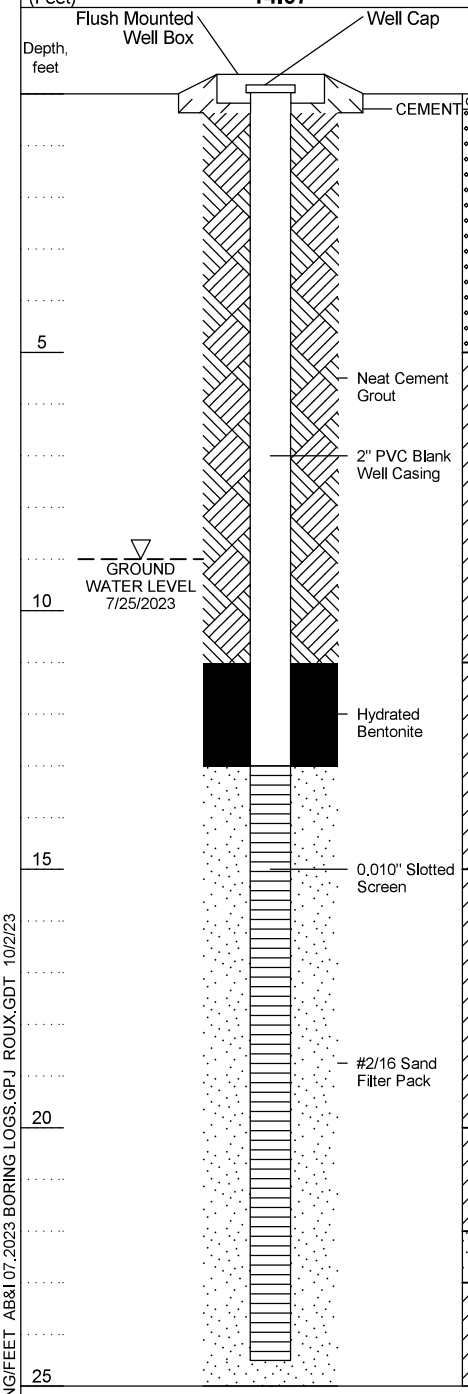
Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete			(X, X, X) corresponds to (% Gravel, % Sand, % Fines).
		Gravelly SAND with silt (SW): Light brown; medium stiff; dry; non-plastic; moderately graded; fine grained, subangular sand and gravel; (30, 40, 30).		0.0	bgs = below ground surface.
		CLAY with sand, some silt, minor gravel (CL): Black; medium stiff; dry; low plasticity; moderately graded; fine to coarse grained, subangular sand and gravel; (5, 25, 70).		5.5	HA - Hand Auger DPT = Direct Push Technology HSA = Hollow Stem Auger
5			MW-11-5.0	0.7	PVC = Polyvinyl Chloride
		CLAY with sand (CL): Light brown; medium stiff; dry; low plasticity; moderately graded; fine to coarse grained, subangular sand; (0, 20, 80). At 9 feet bgs, color change to light brown, increase in sand.			
10			MW-11-10.0	0.5	
		At 12 feet bgs, color change to grey, soft.			
		Gravelly SAND, some clay and silt (SW): Dark grey green; medium dense; moist; non-plastic; well graded; fine to coarse grained, subangular sand; (30, 60, 10).	MW-11-14.0	9.6	
					Bottom of boring at 15 feet bgs.
15		**CLAY with sand (CL)**: Dark grey green; medium stiff; dry; low plasticity; moderately graded; fine to coarse grained, subangular sand; (0, 20, 80).	MW-11-15.0		

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WELL CONSTRUCTION LOG

WELL NO.: **MW-12**	NORTHING: **2100178.68**	EASTING: **6072047.54**		
PROJECT NO./NAME: **1793.0030S000 / AB&I Redevelopment**		LOCATION: **7825 San Leandro Street, Oakland, CA**		
APPROVED BY: **H. Rush**	LOGGED BY: **J. Aguayo**			
DRILLING CONTRACTOR/DRILLER: **C-57 1058336 / Cascade Drilling**		GEOGRAPHIC AREA: **San Francisco Bay Area**		
DRILL BIT DIAMETER/TYPE: **6-in. / Auger**	BOREHOLE DIAMETER: **6-inches**	DRILLING EQUIPMENT/METHOD: **Geoprobe / HA, DPT, & HSA**	SAMPLING METHOD: **2" Macro-Core**	START-FINISH DATE: **7/25/23-7/25/23**
CASING MAT./DIA.: **PVC / 2-inch**	SCREEN: TYPE **Slotted** MAT. **PVC** TOTAL LENGTH **9.5** ft DIA. **2-inch** SLOT SIZE **10-Slot**			
ELEVATION OF: (Feet)	GROUND SURFACE: **14.07**	TOP OF WELL CASING: **25.42**	TOP & BOTTOM SCREEN: **-0.9 / -10.4**	GRAVEL PACK SIZES: **#2/16**



Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete			(X, X, X) corresponds to (% Gravel, % Sand, % Fines).
		Gravelly SAND with silt (SW): Dark brown; medium dense; dry; low plasticity; moderately graded; fine to coarse grained, subangular sand and gravel; (30, 50, 20).		0.0	bgs = below ground surface.
					HA - Hand Auger
					DPT = Direct Push Technology
					HSA = Hollow Stem Auger
5			MW-12-5.0	0.2	PVC = Polyvinyl Chloride
		CLAY, trace sand (CL): Black; stiff; dry; medium plasticity; moderately graded; fine grained, subangular sand; (0, 95, 5).		0.3	
10			MW-12-10.0		
		CLAY with sand, trace gravel (CL): Light brown with green mottling; medium stiff; dry; low plasticity; well graded; fine to medium grained, subangular sand and gravel; (5, 20, 75). At 13 feet bgs, moist.		0.9	
15			MW-12-15.0		
		Sandy CLAY (CL): Light brown; soft; moist; low plasticity; poorly graded; fine grained, subangular sand; (0, 30, 70).		0.1	
20			MW-12-20.0		
		CLAY with sand (CL): Grey; stiff; dry; high plasticity; poorly graded; fine grained sand, subangular sand; (0, 15, 85).			
		Gravelly SAND (SP): Orange brown; medium dense; moist; non-plastic; poorly graded; medium to coarse grained, subangular sand and gravel; (60, 40, 0).		0.5	
		CLAY with sand and gravel (CL): Orange brown; very stiff; moist; low plasticity; well graded; medium to coarse grained, subangular sand; (15, 25, 60).			Bottom of boring at 25 feet bgs.
25			MW-12-25.0		

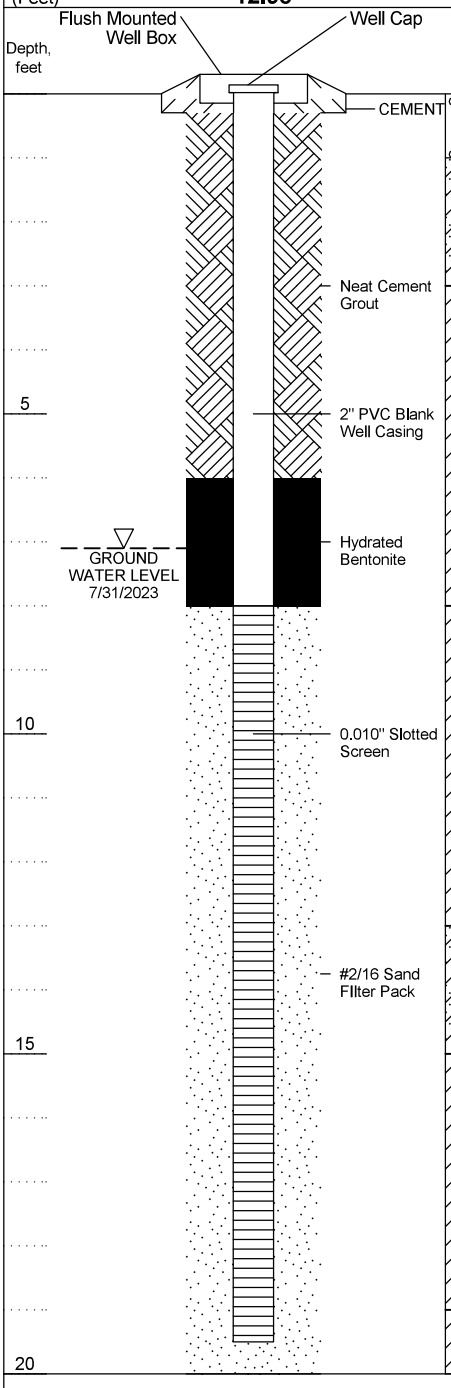
BORING/FEET AB&I 07.2023 BORING LOGS.GPJ ROUX.GDT 10/2/23

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WELL CONSTRUCTION LOG

WELL NO. **MW-13**	NORTHING **2099750.87**	EASTING **6072428.24**			
PROJECT NO./NAME **1793.0030S000 / AB&I Redevelopment**		LOCATION **7825 San Leandro Street** **Oakland, CA**			
APPROVED BY **H. Rush**	LOGGED BY **J. Aguayo**				
DRILLING CONTRACTOR/DRILLER **C-57 1058336 / Cascade Drilling**		GEOGRAPHIC AREA **San Francisco Bay Area**			
DRILL BIT DIAMETER/TYPE **6-in. / Auger**	BOREHOLE DIAMETER **6-inches**	DRILLING EQUIPMENT/METHOD **Geoprobe / HA, DPT, & HSA**	SAMPLING METHOD **2" Macro-Core**	START-FINISH DATE **7/31/23-7/31/23**	
CASING MAT./DIA. **PVC / 2-inch**	SCREEN: TYPE **Slotted** MAT. **PVC** TOTAL LENGTH **9.5** ft DIA. **2-inch** SLOT SIZE **10-Slot**				
ELEVATION OF: (Feet)	GROUND SURFACE **12.98**	TOP OF WELL CASING **24.37**	TOP & BOTTOM SCREEN **3.0 / -6.5**	GRAVEL PACK SIZES **#2/16**	



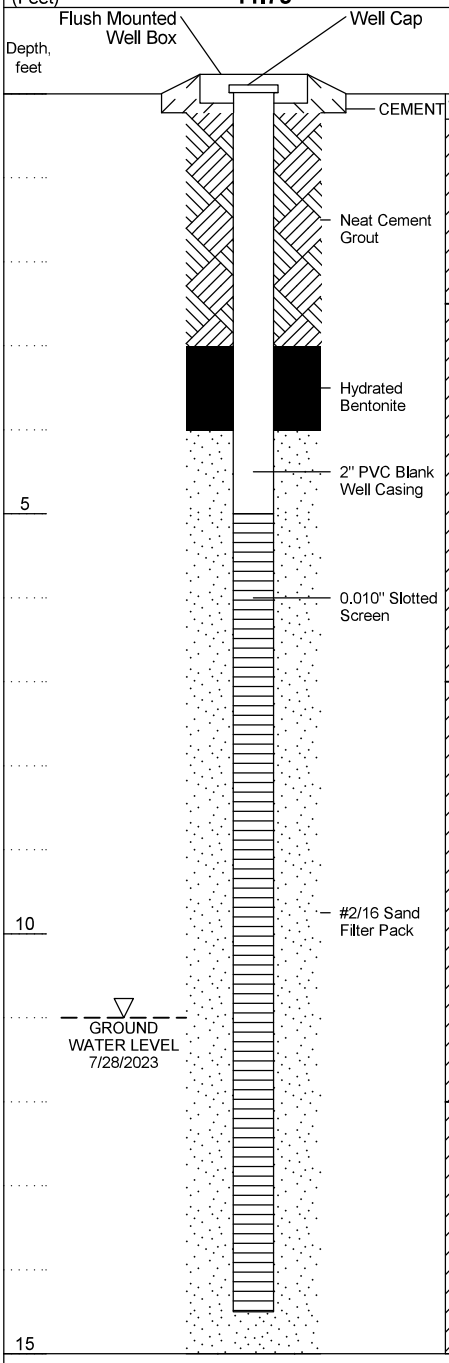
Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete			(X, X, X) corresponds to (% Gravel, % Sand, % Fines).
		SAND with clay, silt, and gravel (SC): Dark brown; loose; moist; non-plastic; well graded; fine to coarse grained, subangular sand and gravel; (20, 60, 20).		0.2	bgs = below ground surface. HA - Hand Auger
			MW-13-3.0	27.3	DPT = Direct Push Technology
		CLAY, some sand, trace gravel (CL): Black; stiff; moist; high plasticity; poorly graded; fine to medium, subangular sand and gravel; (5, 15, 80).		7.0	HSA = Hollow Stem Auger
5		At 4.5 feet bgs, grey blue plastic wrap.	MW-13-5.0		PVC = Polyvinyl Chloride
			MW-13-6.0	324.0	
		At 6 feet bgs, sheen substance observed in soil.		139.0	
		CLAY with sand, some gravel (CL): Dark brown with orange mottling; stiff; moist; high plasticity; poorly graded; fine to medium, subangular sand and gravel; (10, 20, 70).		86.9	
10		Black sheen spots and residue observed. At 9 feet bgs, some grey cementation present.	MW-13-10.0		
		CLAY with sand (CL): Light brown-grey with orange mottling; very stiff; moist; high plasticity; poorly graded; fine grained, subrounded sand; (0, 20, 80).		7.3	
15			MW-13-15.0	3.3	
		CLAY with gravel, some sand (CL): Grey; stiff; moist; medium plasticity; poorly graded; fine grained, subangular sand; (5, 15, 80).		4.1	
20		**CLAY with gravel, some sand (CL)**: Grey; stiff; moist; low plasticity; moderately graded; fine grained, subangular sand and gravel; (20, 10, 70).	MW-13-20.0	6.0	Bottom of boring at 20 feet bgs.

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WELL CONSTRUCTION LOG

WELL NO. **MW-14**	NORTHING **2099582.75**	EASTING **6072281.12**			
PROJECT NO./NAME **1793.0030S000 / AB&I Redevelopment**		LOCATION **7825 San Leandro Street** **Oakland, CA**			
APPROVED BY **H. Rush**	LOGGED BY **J. Aguayo**				
DRILLING CONTRACTOR/DRILLER **C-57 1058336 / Cascade Drilling**		GEOGRAPHIC AREA **San Francisco Bay Area**			
DRILL BIT DIAMETER/TYPE **6-in. / Auger**	BOREHOLE DIAMETER **6-inches**	DRILLING EQUIPMENT/METHOD **Geoprobe / HA, DPT, & HSA**	SAMPLING METHOD **2" Macro-Core**	START-FINISH DATE **7/28/23-7/28/23**	
CASING MAT./DIA. **PVC / 2-inch**	SCREEN: TYPE **Slotted** MAT. **PVC** TOTAL LENGTH **9.5** ft DIA. **2-inch** SLOT SIZE **10-Slot**				
ELEVATION OF: (Feet)	GROUND SURFACE **11.73**	TOP OF WELL CASING **23.07**	TOP & BOTTOM SCREEN **6.7 / -2.8**	GRAVEL PACK SIZES **#2/16**	



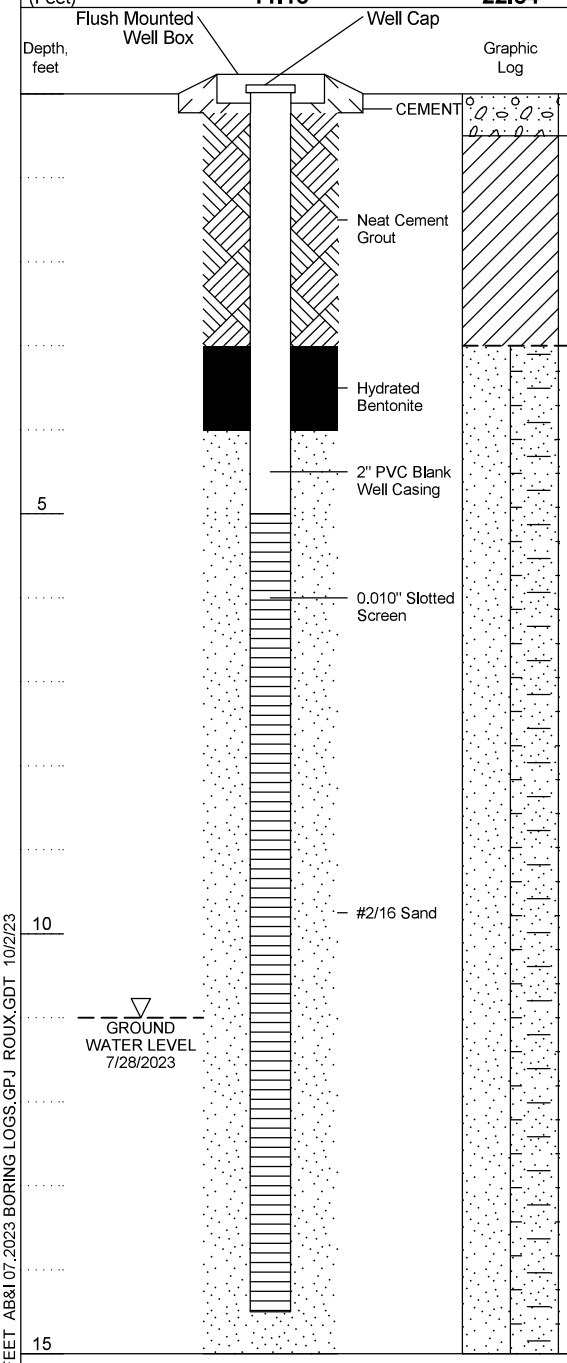
Depth, feet	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
	Concrete			(X, X, X) corresponds to (% Gravel, % Sand, % Fines).
	Sandy CLAY with gravel and silt (CL): Brown; medium dense; dry; low plasticity; moderately graded; fine to coarse grained, subangular sand and gravel; (20, 30, 50).		1.1	bgs = below ground surface.
	CLAY with sand and silt (CL): Black; medium stiff; dry; low plasticity; moderately graded; fine to medium grained, subangular sand; (0, 20, 80).		1.5	HA - Hand Auger DPT = Direct Push Technology HSA = Hollow Stem Auger
5	From 6 feet bgs to 7 feet bgs, moist.	MW-14-5.0		PVC = Polyvinyl Chloride
	Sandy CLAY, some gravel (CL): Dark grey green with orange-brown mottling; medium stiff; dry; low plasticity; moderately graded; fine to medium grained, subangular sand and gravel; (10, 30, 60). Some lenses of white bentonite-like material.		1.8	
10		MW-14-10.0	2.6	
	Clayey SAND (SC): Orange brown; soft; moist; non-plastic; poorly graded; fine to medium grained, subangular sand; (0, 60, 40).		1.7	
15		MW-14-15.0	1.9	Bottom of boring at 15 feet bgs.

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WELL CONSTRUCTION LOG

WELL NO. **MW-15**	NORTHING **2099513.38**	EASTING **6071999.82**			
PROJECT NO./NAME **1793.0030S000 / AB&I Redevelopment**		LOCATION **7825 San Leandro Street** **Oakland, CA**			
APPROVED BY **H. Rush**	LOGGED BY **J. Aguayo**				
DRILLING CONTRACTOR/DRILLER **C-57 1058336 / Cascade Drilling**		GEOGRAPHIC AREA **San Francisco Bay Area**			
DRILL BIT DIAMETER/TYPE **6-in. / Auger**	BOREHOLE DIAMETER **6-inches**	DRILLING EQUIPMENT/METHOD **Geoprobe / HA, DPT, & HSA**	SAMPLING METHOD **2" Macro-Core**	START-FINISH DATE **7/28/23-7/28/23**	
CASING MAT./DIA. **PVC / 2-inch**	SCREEN: TYPE **Slotted** MAT. **PVC** TOTAL LENGTH **9.5** ft DIA. **2-inch** SLOT SIZE **10-Slot**				
ELEVATION OF: (Feet)	GROUND SURFACE **11.18**	TOP OF WELL CASING **22.54**	TOP & BOTTOM SCREEN **6.2 / -3.3**	GRAVEL PACK SIZES **#2/16**	



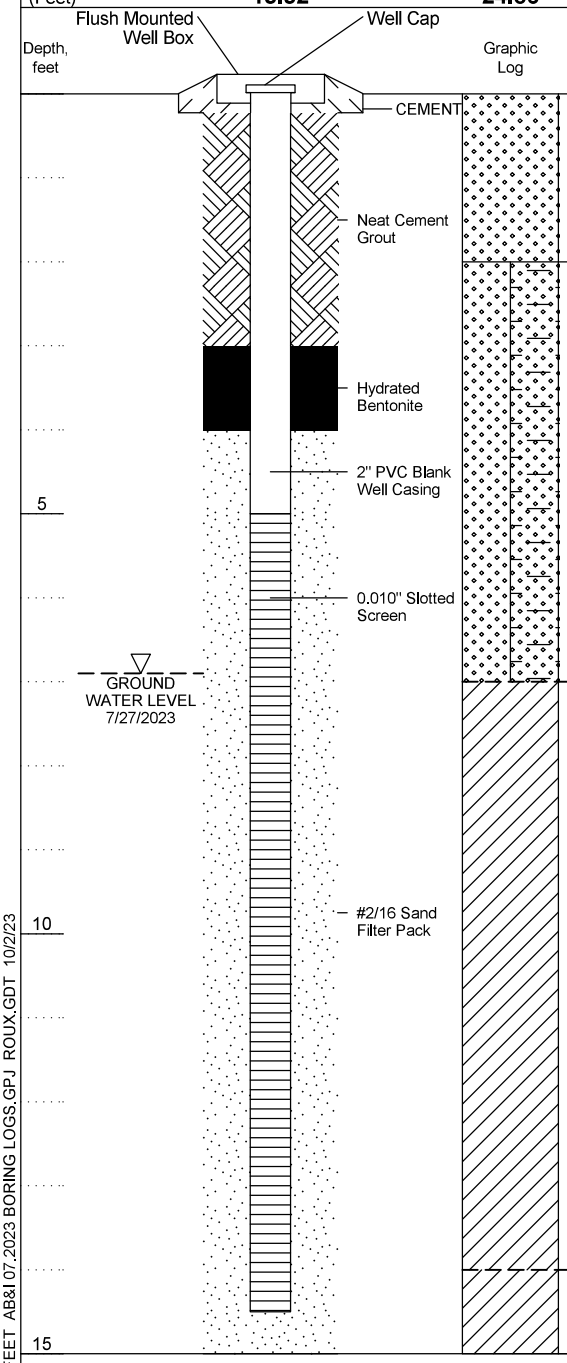
Depth, feet	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
	Concrete			(X, X, X) corresponds to (% Gravel, % Sand, % Fines).
	Sandy CLAY with gravel and silt (CL): Brown; medium dense; dry; low plasticity; moderately graded; fine to coarse grained, subangular sand and gravel; (20, 30, 50).		0.2	bgs = below ground surface.
				HA - Hand Auger
	SAND with silt and clay, trace gravel (SP-SM): Brown; medium dense; moist; low plasticity; poorly graded; fine to coarse grained, subangular sand and gravel; (5, 60, 35). At 4 feet bgs, loose.		0.1	DPT = Direct Push Technology
				HSA = Hollow Stem Auger
5		MW-15-5.0		5
	From 5 feet bgs to 7 feet bgs, color change to orange brown, saturated.			PVC = Polyvinyl Chloride
			0.2	
10		MW-15-10.0	0.9	10
	At 10 feet bgs, slight increase in plasticity.			
			0.4	
	At 13 feet bgs, color change to brown with orange brown mottling.			
				Bottom of boring at 15 feet bgs.
15		MW-15-15.0	0.1	15

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WELL CONSTRUCTION LOG

WELL NO. **MW-16**	NORTHING **2099937.48**	EASTING **6071633.24**			
PROJECT NO./NAME **1793.0030S000 / AB&I Redevelopment**		LOCATION **7825 San Leandro Street** **Oakland, CA**			
APPROVED BY **H. Rush**	LOGGED BY **J. Aguayo**				
DRILLING CONTRACTOR/DRILLER **C-57 1058336 / Cascade Drilling**		GEOGRAPHIC AREA **San Francisco Bay Area**			
DRILL BIT DIAMETER/TYPE **6-in. / Auger**	BOREHOLE DIAMETER **6-inches**	DRILLING EQUIPMENT/METHOD **Geoprobe / HA, DPT, & HSA**	SAMPLING METHOD **2" Macro-Core**	START-FINISH DATE **7/27/23-7/27/23**	
CASING MAT./DIA. **PVC / 2-inch**	SCREEN: TYPE **Slotted** MAT. **PVC** TOTAL LENGTH **9.5** ft DIA. **2-inch** SLOT SIZE **10-Slot**				
ELEVATION OF: (Feet)	GROUND SURFACE **13.32**	TOP OF WELL CASING **24.86**	TOP & BOTTOM SCREEN **8.3 / -1.2**	GRAVEL PACK SIZES **#2/16**	



Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Gravelly SAND, some sand and silt (SW): Dark red brown; loose; dry; non-plastic; well graded; fine to coarse grained, subangular sand and gravel; (30, 60, 10).			(X, X, X) corresponds to (% Gravel, % Sand, % Fines).
		SAND with clay, silt, and gravel (SW-SM): Brown; medium dense; dry; low plasticity; moderately graded; fine to coarse grained, subangular sand and gravel; (20, 50, 30).		0.4	bgs = below ground surface. HA - Hand Auger DPT = Direct Push Technology
		At 4 feet bgs, metal debris.			HSA = Hollow Stem Auger
5		At 5 feet bgs, some odor.	MW-16-5.0	3.5	PVC = Polyvinyl Chloride
		At 6 feet bgs, color change to orange brown, increase in sand, white benotite-like material present.			
		CLAY with gravel, sand, and silt (CL): Dark green grey; medium stiff; moist; low plasticity; well graded; fine to coarse grained, subangular sand and gravel; (20, 20, 60).		0.5	
		From 7 feet bgs to 7.5 feet bgs, lense of gravel.			
		At 7.5 feet bgs, moist.		0.2	
10		From 10 feet bgs to 13 feet bgs, saturated.	MW-16-10.0		
				0.0	
		SAND with clay and silt, trace gravel (CL): Dark green grey; loose; moist; low plasticity; moderately graded; fine to medium grained, subangular sand and gravel; (5, 60, 35).	MW-16-15.0	0.1	Bottom of boring at 15 feet bgs.
15					

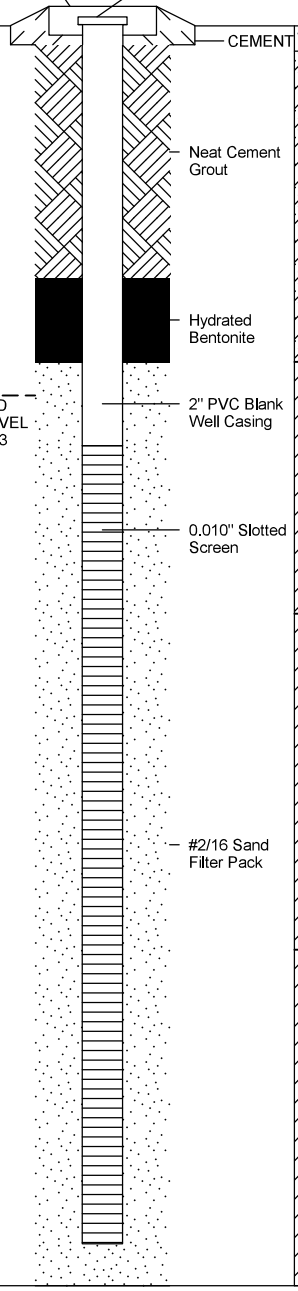
BORING/FEET AB&I 07.2023 BORING LOGS.GPJ ROUX.GDT 10/2/23

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

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Islandia, NY 11749
Telephone: (631) 232-2600
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WELL CONSTRUCTION LOG

WELL NO. **MW-17**	NORTHING **2100267.44**	EASTING **6071319.16**			
PROJECT NO./NAME **1793.0030S000 / AB&I Redevelopment**		LOCATION **7825 San Leandro Street** **Oakland, CA**			
APPROVED BY **H. Rush**	LOGGED BY **J. Aguayo**				
DRILLING CONTRACTOR/DRILLER **C-57 1058336 / Cascade Drilling**		GEOGRAPHIC AREA **San Francisco Bay Area**			
DRILL BIT DIAMETER/TYPE **6-in. / Auger**	BOREHOLE DIAMETER **6-inches**	DRILLING EQUIPMENT/METHOD **Geoprobe / HA, DPT, & HSA**	SAMPLING METHOD **2" Macro-Core**	START-FINISH DATE **7/26/23-7/26/23**	
CASING MAT./DIA. **PVC / 2-inch**	SCREEN: TYPE **Slotted** MAT. **PVC**	TOTAL LENGTH **9.5** ft	DIA. **2-inch**	SLOT SIZE **10-Slot**	
ELEVATION OF: (Feet)	GROUND SURFACE **12.30**	TOP OF WELL CASING **23.89**	TOP & BOTTOM SCREEN **7.3 / -2.2**	GRAVEL PACK SIZES **#2/16**	



Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete			(X, X, X) corresponds to (% Gravel, % Sand, % Fines).
		Clayey SAND with gravel (SC): Black; medium dense; dry; non-plastic; well graded; fine to coarse grained, subangular sand and gravel; (20, 50, 30).		0.2	bgs = below ground surface.
					HA - Hand Auger
					DPT = Direct Push Technology
		CLAY with sand (CL): Black; medium stiff; dry; low plasticity; well graded; fine to medium grained, subangular sand; (0, 20, 80).	MW-17-5.0	0.2	HSA = Hollow Stem Auger
5					PVC = Polyvinyl Chloride
		Sandy CLAY with silt (CL): Orange brown; stiff; dry; low plasticity; poorly graded; fine to medium grained, subangular sand and gravel; (10, 30, 60).		0.0	
10			MW-17-10.0	0.0	
		CLAY with sand, trace gravel (CL): Orange brown; stiff; dry; low plasticity; poorly graded; fine to medium grained, subangular sand and gravel; (5, 25, 70).		0.2	
				0.0	Bottom of boring at 15 feet bgs.
15			MW-17-15.0		

APPENDIX D

Laboratory Analytical Reports

Beacon Environmental
2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Beacon Proposal No.: 230508R02

Laboratory Work Order: 0007137

Project Description:
AB&I Foundry
Oakland, CA

Client PO No.: 1793.0030

Prepared for:
Harold C. Rush
Roux Associates, Inc.
555 12th Street, Suite 250
Oakland, CA 94607

Ryan W. Schneider
Senior Project Manager

August 22, 2023

All data meet requirements as specified in the Beacon Environmental Quality Assurance Project Plan and the results relate only to the samples reported. The work performed was in accordance with ISO/IEC 17025:2017, except compounds reported with ∉ are not included in Beacon's scope of accreditation and all samples were analyzed within a 24-hour tune window. This report shall not be reproduced, except in full, without written approval of the laboratory. Release of the data contained in this data package has been authorized by the Laboratory Director or his signee, as verified by the following signatures:

Steven C. Thornley
Laboratory Director

Peter B. Kelly
Quality Manager

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BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Summary

Lab Sample ID	Client Sample ID	Received	Analysis	Matrix
0007137-01	Trip 1	08/11/2023	EPA 8260C	Air
Sampler Type:	Beacon Passive Sampler			
0007137-02	PSG-01	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-03	PSG-02	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-04	PSG-03	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-05	PSG-04	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-06	PSG-05	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-07	PSG-06	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-08	PSG-07	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-09	PSG-08	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-10	PSG-09	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-11	PSG-10	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-12	PSG-11	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-13	PSG-12	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-14	PSG-13	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-15	PSG-14	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-16	PSG-15	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-17	PSG-15-Dup	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-18	PSG-16	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-19	PSG-17	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-20	PSG-18	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID	Client Sample ID	Received	Analysis	Matrix
0007137-21	PSG-19	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-22	PSG-20	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-23	PSG-20-Dup	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-24	PSG-21	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-25	PSG-22	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-26	PSG-23	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-27	PSG-24	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-28	PSG-25	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-29	PSG-25-Dup	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-30	PSG-26	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-31	PSG-27	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-32	PSG-28	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-33	PSG-29	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-34	PSG-30	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-35	PSG-31	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-36	PSG-32	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-37	PSG-33	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-38	PSG-34	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-39	PSG-35	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-40	PSG-35-Dup	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-41	PSG-36	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID	Client Sample ID	Received	Analysis	Matrix
0007137-42	PSG-37	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-43	PSG-38	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-44	PSG-39	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-45	PSG-40	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-46	PSG-41	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-47	PSG-42	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-48	PSG-43	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-49	PSG-43-Dup	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-50	PSG-44	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-51	PSG-45	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-52	PSG-46	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-53	PSG-47	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-54	PSG-48	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-55	PSG-49	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-56	PSG-50	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-57	PSG-51	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-58	PSG-52	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-59	PSG-53	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-60	PSG-54	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-61	PSG-55	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-62	PSG-56	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID	Client Sample ID	Received	Analysis	Matrix
0007137-63	PSG-57	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-64	PSG-58	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-65	PSG-59	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-66	PSG-60	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-67	PSG-61	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-68	PSG-61-Dup	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-69	PSG-62	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-70	PSG-63	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			
0007137-71	PSG-64	08/11/2023	EPA 8260C	Soil Gas
Sampler Type:	Beacon Passive Sampler			

Project Completeness

Samples Received: 71
Samples Analyzed: 71

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Case Narrative

U.S. EPA Method 8260C

All samples were analyzed using thermal desorption-gas chromatography/mass spectrometry (TD-GC/MS) instrumentation following U.S. EPA Method 8260C, with laboratory results provided in nanograms (ng) and micrograms per cubic meter ($\mu g/m^3$). Laboratory QA/QC procedures included internal standards, surrogates, and blanks based on EPA Method 8260C. Analyses and reporting were under BEACON's Quality Assurance Project Plan.

Passive Soil-Gas Survey Notes

If sample locations are covered with or near the edge of an impervious surface (*e.g.*, asphalt or concrete), the concentrations of compounds in soil gas are higher than if the surfacing was not present. Therefore, the sample location conditions should be considered when comparing results between locations.

Survey findings are exclusive to this project and when the spatial relationships are compared with results of other BEACON Surveys it is necessary to incorporate information from both investigations (*e.g.*, depth to sources, soil types, porosity, soil moisture, presence of impervious surfacing, sample collection times).

Reporting Limits

The RLs represent a baseline above which results meet laboratory-determined limits of precision and accuracy. Beacon performed dilution analysis when results exceeded the upper calibration limit, bringing all reported results within the calibration range. The project method quantitation limit (MQL) is the limit of quantitation (LOQ) as noted in the data tables. Beacon determined uptake rates for a suite of compounds with the Beacon sampler for sampling in air. Beacon calculated the uptake rates for the remaining compounds using Graham's Law of Diffusion. The reported data includes LOQ limits.

Project Details

Samples were received in proper condition and laboratory control parameters were met unless otherwise noted below. The work performed was in accordance with ISO/IEC 17025:2017, except compounds reported with ∉ are not included in Beacon's scope of accreditation and samples were analyzed within a 24-hour tune window.

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

STATEMENT OF DATA QUALIFICATIONS

Qualifier Summary:

Analysis: EPA 8260C / Soil-Gas Analysis by EPA 8260 **-** Data in Concentration

0007137-09 **PSG-08**

Compound	Q	Q Explanation
1,4-Dichlorobenzene-d4	I4	Sample size overwhelmed pressure during injection causing internal standard recoveries outside control limits, surrogate recoveries are acceptable, confirming reported results not biased.
Bromofluorobenzene	S4	Matrix interference caused surrogate recovery outside control limits.
Toluene-d8	S4	Matrix interference caused surrogate recovery outside control limits.

0007137-12 **PSG-11**

Compound	Q	Q Explanation
Toluene-d8	S4	Matrix interference caused surrogate recovery outside control limits.

0007137-13 **PSG-12**

Compound	Q	Q Explanation
Bromofluorobenzene	S4	Matrix interference caused surrogate recovery outside control limits.
Toluene-d8	S4	Matrix interference caused surrogate recovery outside control limits.

0007137-14 **PSG-13**

Compound	Q	Q Explanation
Bromofluorobenzene	S4	Matrix interference caused surrogate recovery outside control limits.
Toluene-d8	S4	Matrix interference caused surrogate recovery outside control limits.

0007137-15 **PSG-14**

Compound	Q	Q Explanation
Bromofluorobenzene	S4	Matrix interference caused surrogate recovery outside control limits.
Toluene-d8	S4	Matrix interference caused surrogate recovery outside control limits.

0007137-25 **PSG-22**

Compound	Q	Q Explanation
Toluene-d8	S4	Matrix interference caused surrogate recovery outside control limits.

0007137-28 **PSG-25**

Compound	Q	Q Explanation
Toluene-d8	S4	Matrix interference caused surrogate recovery outside control limits.

0007137-29 **PSG-25-Dup**

Compound	Q	Q Explanation
Toluene-d8	S4	Matrix interference caused surrogate recovery outside control limits.

0007137-30 **PSG-26**

Compound	Q	Q Explanation
Toluene-d8	S4	Matrix interference caused surrogate recovery outside control limits.

0007137-33 **PSG-29**

Compound	Q	Q Explanation
Toluene-d8	S4	Matrix interference caused surrogate recovery outside control limits.

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
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0007137-39 **PSG-35**

Compound	Q	Q Explanation
Toluene-d8	S4	Matrix interference caused surrogate recovery outside control limits.

0007137-40 **PSG-35-Dup**

Compound	Q	Q Explanation
Toluene-d8	S4	Matrix interference caused surrogate recovery outside control limits.

0007137-41 **PSG-36**

Compound	Q	Q Explanation
Toluene-d8	S4	Matrix interference caused surrogate recovery outside control limits.

0007137-43 **PSG-38**

Compound	Q	Q Explanation
Toluene-d8	S4	Matrix interference caused surrogate recovery outside control limits.

0007137-67 **PSG-61**

Compound	Q	Q Explanation
Toluene-d8	S4	Matrix interference caused surrogate recovery outside control limits.

0007137-68 **PSG-61-Dup**

Compound	Q	Q Explanation
Toluene-d8	S4	Matrix interference caused surrogate recovery outside control limits.

Analysis: EPA 8260C / Soil-Gas Sample Analysis by EPA Method 8260C

0007137-09 **PSG-08**

Compound	Q	Q Explanation
1,4-Dichlorobenzene-d4	I4	Sample size overwhelmed pressure during injection causing internal standard recoveries outside control limits, surrogate recoveries are acceptable, confirming reported results not biased.

End of Case Narrative

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Analytical Results

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-03 — **PSG-02** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	**65**		3.221	25	S23081407.D
Toluene	108-88-3	**34**		4.569	25	S23081407.D
p & m-Xylene	179601-23-1	**45**		5.904	25	S23081407.D
1,2,4-Trimethylbenzene	95-63-6	**29**		7.160	25	S23081407.D
∉ **TPH C10-C15**		**13,200**		8.339	5,000	S23081407.D

Lab Sample ID: 0007137-04 — **PSG-03** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	**41**		3.221	25	S23081408.D
Toluene	108-88-3	**26**		4.568	25	S23081408.D
∉ **TPH C10-C15**		**13,500**		8.339	5,000	S23081408.D

Lab Sample ID: 0007137-05 — **PSG-04** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	**48**		3.218	25	S23081409.D
∉ **TPH C10-C15**		**5,630**		8.339	5,000	S23081409.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-06 — **PSG-05** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	**86**		3.221	25	S23081410.D
Toluene	108-88-3	**55**		4.572	25	S23081410.D
p & m-Xylene	179601-23-1	**45**		5.903	25	S23081410.D
o-Xylene	95-47-6	**27**		6.195	25	S23081410.D
1,3,5-Trimethylbenzene	108-67-8	**27**		6.905	25	S23081410.D
1,2,4-Trimethylbenzene	95-63-6	**82**		7.163	25	S23081410.D
Naphthalene	91-20-3	**32**		8.856	25	S23081410.D
2-Methylnaphthalene	91-57-6	**33**		9.591	25	S23081410.D
∉ **TPH C4-C9**		**11,200**		4.940	5,000	S23081410.D
∉ **TPH C10-C15**		**96,800**		8.339	5,000	S23081410.D

Lab Sample ID: 0007137-07 — **PSG-06** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	**174**		3.224	25	S23081411.D
Toluene	108-88-3	**55**		4.572	25	S23081411.D
Naphthalene	91-20-3	**80**		8.859	25	S23081411.D
2-Methylnaphthalene	91-57-6	**82**		9.591	25	S23081411.D
∉ **TPH C4-C9**		**52,100**		4.940	5,000	S23081411.D
∉ **TPH C10-C15**		**384,000**		8.339	5,000	S23081411.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-08 — **PSG-07** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	**46**		3.221	25	S23081412.D
Chlorobenzene	108-90-7	**16**		5.721	10	S23081412.D
p & m-Xylene	179601-23-1	**85**		5.903	25	S23081412.D
o-Xylene	95-47-6	**33**		6.192	25	S23081412.D
∉ **TPH C10-C15**		**16,700**		8.339	5,000	S23081412.D

Lab Sample ID: 0007137-09 — **PSG-08** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1-Dichloroethene	75-35-4	**15**		1.993	10	S23081413.D
1,1-Dichloroethane	75-34-3	**51**		2.483	10	S23081413.D
Benzene	71-43-2	**69**		3.221	25	S23081413.D
Toluene	108-88-3	**42**		4.572	25	S23081413.D
1,2,4-Trimethylbenzene	95-63-6	**31**		7.159	25	S23081413.D
Naphthalene	91-20-3	**35**		8.855	25	S23081413.D
∉ **TPH C10-C15**		**12,900**		8.339	5,000	S23081413.D

Lab Sample ID: 0007137-10 — **PSG-09** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Chloroform	67-66-3	**12**		2.920	10	S23081414.D
1,1,1-Trichloroethane	71-55-6	**10**		3.020	10	S23081414.D
Tetrachloroethene	127-18-4	**254**		5.005	10	S23081414.D
∉ **TPH C10-C15**		**6,010**		8.339	5,000	S23081414.D

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555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-11 — **PSG-10** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1-Dichloroethene	75-35-4	**20**		1.993	10	S23081415.D
1,1,1-Trichloroethane	71-55-6	**29**		3.023	10	S23081415.D
Benzene	71-43-2	**45**		3.221	25	S23081415.D
Trichloroethene	79-01-6	**223**		3.620	10	S23081415.D
Tetrachloroethene	127-18-4	**3,530**		5.008	10	S23081415.D
Naphthalene	91-20-3	**89**		8.856	25	S23081415.D
2-Methylnaphthalene	91-57-6	**58**		9.590	25	S23081415.D
∉ **TPH C4-C9**		**7,820**		4.940	5,000	S23081415.D
∉ **TPH C10-C15**		**27,700**		8.339	5,000	S23081415.D

Lab Sample ID: 0007137-12 — **PSG-11** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	**164**		3.224	25	S23081416.D
Toluene	108-88-3	**140**		4.575	25	S23081416.D
Tetrachloroethene	127-18-4	**14**		5.015	10	S23081416.D
Ethylbenzene	100-41-4	**55**		5.809	25	S23081416.D
p & m-Xylene	179601-23-1	**114**		5.913	25	S23081416.D
o-Xylene	95-47-6	**55**		6.199	25	S23081416.D
Isopropylbenzene	98-82-8	**351**		6.475	25	S23081416.D
1,3,5-Trimethylbenzene	108-67-8	**147**		6.908	25	S23081416.D
1,2,4-Trimethylbenzene	95-63-6	**1,140**	D	7.159	480	S23081446.D
Naphthalene	91-20-3	**3,040**	D	8.855	480	S23081446.D
2-Methylnaphthalene	91-57-6	**16,600**	D	9.590	480	S23081446.D
∉ **TPH C4-C9**		**173,000**		4.940	5,000	S23081416.D
∉ **TPH C10-C15**		**300,000**		8.339	5,000	S23081416.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-13 — **PSG-12** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1-Dichloroethene	75-35-4	**12**		1.993	10	S23081417.D
1,1,1-Trichloroethane	71-55-6	**52**		3.020	10	S23081417.D
Ethylbenzene	100-41-4	**103**		5.806	25	S23081417.D
p & m-Xylene	179601-23-1	**487**		5.903	25	S23081417.D
o-Xylene	95-47-6	**208**		6.192	25	S23081417.D
2-Methylnaphthalene	91-57-6	**137**		9.590	25	S23081417.D
∉ **TPH C10-C15**		**11,100**		8.339	5,000	S23081417.D

Lab Sample ID: 0007137-14 — **PSG-13** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1,1-Trichloroethane	71-55-6	**27**		3.029	10	S23081418.D
Benzene	71-43-2	**196**		3.224	25	S23081418.D
Toluene	108-88-3	**152**		4.572	25	S23081418.D
Ethylbenzene	100-41-4	**66**		5.806	25	S23081418.D
p & m-Xylene	179601-23-1	**122**		5.903	25	S23081418.D
o-Xylene	95-47-6	**64**		6.195	25	S23081418.D
2-Methylnaphthalene	91-57-6	**72**		9.587	25	S23081418.D
∉ **TPH C4-C9**		**52,100**		4.940	5,000	S23081418.D
∉ **TPH C10-C15**		**66,200**		8.339	5,000	S23081418.D

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555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-15 — **PSG-14** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	**55**		3.224	25	S23081419.D
Toluene	108-88-3	**44**		4.568	25	S23081419.D
Tetrachloroethene	127-18-4	**16**		5.005	10	S23081419.D
p & m-Xylene	179601-23-1	**93**		5.903	25	S23081419.D
o-Xylene	95-47-6	**47**		6.195	25	S23081419.D
1,2,4-Trimethylbenzene	95-63-6	**26**		7.160	25	S23081419.D
2-Methylnaphthalene	91-57-6	**40**		9.590	25	S23081419.D
∉ **TPH C10-C15**		**11,900**		8.339	5,000	S23081419.D

Lab Sample ID: 0007137-16 — **PSG-15** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	**26**		3.221	25	S23081420.D
Tetrachloroethene	127-18-4	**78**		5.008	10	S23081420.D
Ethylbenzene	100-41-4	**29**		5.806	25	S23081420.D
p & m-Xylene	179601-23-1	**152**		5.903	25	S23081420.D
o-Xylene	95-47-6	**69**		6.192	25	S23081420.D
∉ **TPH C10-C15**		**5,270**		8.339	5,000	S23081420.D

Lab Sample ID: 0007137-17 — **PSG-15-Dup** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	**52**		5.005	10	S23081421.D
p & m-Xylene	179601-23-1	**134**		5.903	25	S23081421.D
o-Xylene	95-47-6	**60**		6.195	25	S23081421.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-18 — **PSG-16** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Ethylbenzene	100-41-4	**117**		5.806	25	S23081422.D
p & m-Xylene	179601-23-1	**634**		5.903	25	S23081422.D
o-Xylene	95-47-6	**290**		6.192	25	S23081422.D
1,3,5-Trimethylbenzene	108-67-8	**93**		6.902	25	S23081422.D
1,2,4-Trimethylbenzene	95-63-6	**81**		7.160	25	S23081422.D
∉ **TPH C10-C15**		**9,070**		8.339	5,000	S23081422.D

Lab Sample ID: 0007137-19 — **PSG-17** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1,1-Trichloroethane	71-55-6	**11**		3.020	10	S23081423.D
Tetrachloroethene	127-18-4	**60**		5.005	10	S23081423.D
p & m-Xylene	179601-23-1	**28**		5.906	25	S23081423.D

Lab Sample ID: 0007137-20 — **PSG-18** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	**58**		3.221	25	S23081424.D
2-Methylnaphthalene	91-57-6	**39**		9.590	25	S23081424.D
∉ **TPH C10-C15**		**13,800**		8.339	5,000	S23081424.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
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Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-21 — **PSG-19** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	**37**		3.224	25	S23081425.D
1,3,5-Trimethylbenzene	108-67-8	**30**		6.902	25	S23081425.D
1,2,4-Trimethylbenzene	95-63-6	**62**		7.160	25	S23081425.D
Naphthalene	91-20-3	**40**		8.856	25	S23081425.D
2-Methylnaphthalene	91-57-6	**48**		9.590	25	S23081425.D
∉ **TPH C10-C15**		**89,500**		8.339	5,000	S23081425.D

Lab Sample ID: 0007137-22 — **PSG-20** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	**65**		3.221	25	S23081426.D
∉ **TPH C4-C9**		**6,810**		4.940	5,000	S23081426.D
∉ **TPH C10-C15**		**47,200**		8.339	5,000	S23081426.D

Lab Sample ID: 0007137-23 — **PSG-20-Dup** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	**61**		3.221	25	S23081427.D
∉ **TPH C4-C9**		**6,340**		4.940	5,000	S23081427.D
∉ **TPH C10-C15**		**43,300**		8.339	5,000	S23081427.D

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Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-24 — **PSG-21** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1-Dichloroethane	75-34-3	**84**		2.486	10	S23081428.D
Benzene	71-43-2	**73**		3.227	25	S23081428.D
Toluene	108-88-3	**41**		4.572	25	S23081428.D
1,2,4-Trimethylbenzene	95-63-6	**41**		7.160	25	S23081428.D
Naphthalene	91-20-3	**29**		8.855	25	S23081428.D
2-Methylnaphthalene	91-57-6	**46**		9.590	25	S23081428.D
∉ **TPH C4-C9**		**10,500**		4.940	5,000	S23081428.D
∉ **TPH C10-C15**		**37,700**		8.339	5,000	S23081428.D

Lab Sample ID: 0007137-25 — **PSG-22** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Vinyl Chloride	75-01-4	**37**		1.554	10	S23081429.D
1,1-Dichloroethene	75-35-4	**2,920**		1.993	10	S23081429.D
1,1-Dichloroethane	75-34-3	**5,760**	D	2.477	192	S23081447.D
cis-1,2-Dichloroethene	156-59-2	**11**		2.750	10	S23081429.D
1,1,1-Trichloroethane	71-55-6	**2,330**	D	3.020	192	S23081447.D
Benzene	71-43-2	**125**		3.224	25	S23081429.D
1,4-Dioxane	123-91-1	**641**		3.840	10	S23081429.D
Toluene	108-88-3	**81**		4.584	25	S23081429.D
Ethylbenzene	100-41-4	**33**		5.815	25	S23081429.D
p & m-Xylene	179601-23-1	**46**		5.919	25	S23081429.D
o-Xylene	95-47-6	**26**		6.208	25	S23081429.D
∉ **TPH C4-C9**		**243,000**		4.940	5,000	S23081429.D
∉ **TPH C10-C15**		**39,700**		8.339	5,000	S23081429.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-26 — **PSG-23** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1-Dichloroethene	75-35-4	**14**		1.996	10	S23081430.D
1,1-Dichloroethane	75-34-3	**14**		2.480	10	S23081430.D
1,1,1-Trichloroethane	71-55-6	**16**		3.023	10	S23081430.D
Benzene	71-43-2	**34**		3.221	25	S23081430.D
p & m-Xylene	179601-23-1	**61**		5.906	25	S23081430.D

Lab Sample ID: 0007137-27 — **PSG-24** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1-Dichloroethene	75-35-4	**13**		1.993	10	S23081431.D
1,1,1-Trichloroethane	71-55-6	**54**		3.023	10	S23081431.D
Benzene	71-43-2	**40**		3.221	25	S23081431.D
1,4-Dioxane	123-91-1	**13**		3.837	10	S23081431.D
Tetrachloroethene	127-18-4	**91**		5.005	10	S23081431.D
p & m-Xylene	179601-23-1	**44**		5.907	25	S23081431.D
∉ **TPH C10-C15**		**7,430**		8.339	5,000	S23081431.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-28 | **PSG-25** Soil Gas | Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1-Dichloroethene	75-35-4	**29**		1.996	10	S23081432.D
trans-1,2-Dichloroethene	156-60-5	**31**		2.291	10	S23081432.D
cis-1,2-Dichloroethene	156-59-2	**151**		2.750	10	S23081432.D
Benzene	71-43-2	**850**		3.224	25	S23081432.D
Trichloroethene	79-01-6	**4,610**		3.623	10	S23081432.D
Toluene	108-88-3	**342**		4.575	25	S23081432.D
Tetrachloroethene	127-18-4	**9,720**		5.033	10	S23081432.D
Ethylbenzene	100-41-4	**162**		5.806	25	S23081432.D
p & m-Xylene	179601-23-1	**242**		5.906	25	S23081432.D
o-Xylene	95-47-6	**138**		6.195	25	S23081432.D
Isopropylbenzene	98-82-8	**50**		6.469	25	S23081432.D
1,3,5-Trimethylbenzene	108-67-8	**34**		6.905	25	S23081432.D
1,2,4-Trimethylbenzene	95-63-6	**62**		7.159	25	S23081432.D
∉ **TPH C4-C9**		**83,500**		4.940	5,000	S23081432.D
∉ **TPH C10-C15**		**33,000**		8.339	5,000	S23081432.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-29 | **PSG-25-Dup** Soil Gas | Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1-Dichloroethene	75-35-4	**19**		1.996	10	S23081433.D
trans-1,2-Dichloroethene	156-60-5	**17**		2.288	10	S23081433.D
cis-1,2-Dichloroethene	156-59-2	**96**		2.750	10	S23081433.D
Benzene	71-43-2	**1,350**		3.224	25	S23081433.D
Trichloroethene	79-01-6	**3,910**		3.623	10	S23081433.D
Toluene	108-88-3	**425**		4.575	25	S23081433.D
Tetrachloroethene	127-18-4	**9,250**		5.011	10	S23081433.D
Ethylbenzene	100-41-4	**140**		5.806	25	S23081433.D
p & m-Xylene	179601-23-1	**179**		5.906	25	S23081433.D
o-Xylene	95-47-6	**88**		6.195	25	S23081433.D
Isopropylbenzene	98-82-8	**39**		6.469	25	S23081433.D
1,3,5-Trimethylbenzene	108-67-8	**29**		6.902	25	S23081433.D
1,2,4-Trimethylbenzene	95-63-6	**50**		7.160	25	S23081433.D
∉ **TPH C4-C9**		**152,000**		4.940	5,000	S23081433.D
∉ **TPH C10-C15**		**38,400**		8.339	5,000	S23081433.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-30 — **PSG-26** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	**88**		3.221	25	S23081434.D
Toluene	108-88-3	**28**		4.572	25	S23081434.D
Tetrachloroethene	127-18-4	**43**		5.008	10	S23081434.D
Ethylbenzene	100-41-4	**69**		5.803	25	S23081434.D
p & m-Xylene	179601-23-1	**181**		5.906	25	S23081434.D
o-Xylene	95-47-6	**116**		6.195	25	S23081434.D
1,3,5-Trimethylbenzene	108-67-8	**40**		6.905	25	S23081434.D
1,2,4-Trimethylbenzene	95-63-6	**64**		7.160	25	S23081434.D
2-Methylnaphthalene	91-57-6	**25**		9.591	25	S23081434.D
∉ **TPH C4-C9**		**47,200**		4.940	5,000	S23081434.D
∉ **TPH C10-C15**		**16,900**		8.339	5,000	S23081434.D

Lab Sample ID: 0007137-31 — **PSG-27** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Toluene	108-88-3	**26**		4.569	25	S23081435.D
Tetrachloroethene	127-18-4	**10**		5.005	10	S23081435.D
p & m-Xylene	179601-23-1	**73**		5.903	25	S23081435.D
o-Xylene	95-47-6	**36**		6.192	25	S23081435.D
1,3,5-Trimethylbenzene	108-67-8	**48**		6.905	25	S23081435.D
1,2,4-Trimethylbenzene	95-63-6	**144**		7.160	25	S23081435.D
∉ **TPH C10-C15**		**5,000**		8.339	5,000	S23081435.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-32 — **PSG-28** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	**29**		3.221	25	S23081436.D
Tetrachloroethene	127-18-4	**84**		5.005	10	S23081436.D
Isopropylbenzene	98-82-8	**26**		6.468	25	S23081436.D
1,3,5-Trimethylbenzene	108-67-8	**38**		6.905	25	S23081436.D
1,2,4-Trimethylbenzene	95-63-6	**91**		7.159	25	S23081436.D
∉ **TPH C10-C15**		**5,900**		8.339	5,000	S23081436.D

Lab Sample ID: 0007137-33 — **PSG-29** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Toluene	108-88-3	**52**		4.572	25	S23081445.D
p & m-Xylene	179601-23-1	**183**		5.906	25	S23081445.D
o-Xylene	95-47-6	**93**		6.195	25	S23081445.D
Isopropylbenzene	98-82-8	**591**		6.468	25	S23081445.D
1,3,5-Trimethylbenzene	108-67-8	**749**		6.905	25	S23081445.D
1,2,4-Trimethylbenzene	95-63-6	**1,210**	D	7.159	480	S23081448.D
Naphthalene	91-20-3	**65**		8.855	25	S23081445.D
∉ **TPH C4-C9**		**32,000**		4.940	5,000	S23081445.D
∉ **TPH C10-C15**		**26,000**		8.339	5,000	S23081445.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-34 — **PSG-30** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	**81**		3.224	25	S23081438.D
Toluene	108-88-3	**33**		4.569	25	S23081438.D
1,2,4-Trimethylbenzene	95-63-6	**57**		7.160	25	S23081438.D
1,2,4-Trichlorobenzene	120-82-1	**261**		8.692	10	S23081438.D
Naphthalene	91-20-3	**31**		8.856	25	S23081438.D
1,2,3-Trichlorobenzene	87-61-6	**104**		8.997	10	S23081438.D
2-Methylnaphthalene	91-57-6	**33**		9.591	25	S23081438.D
∉ **TPH C10-C15**		**64,800**		8.339	5,000	S23081438.D

Lab Sample ID: 0007137-35 — **PSG-31** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Vinyl Chloride	75-01-4	**15**		1.557	10	S23081439.D
1,1-Dichloroethene	75-35-4	**45**		1.993	10	S23081439.D
Methyl-t-butyl ether	1634-04-4	**48**		2.282	25	S23081439.D
1,1-Dichloroethane	75-34-3	**162**		2.483	10	S23081439.D
Benzene	71-43-2	**258**		3.221	25	S23081439.D
Toluene	108-88-3	**153**		4.572	25	S23081439.D
Ethylbenzene	100-41-4	**37**		5.809	25	S23081439.D
p & m-Xylene	179601-23-1	**63**		5.906	25	S23081439.D
o-Xylene	95-47-6	**61**		6.195	25	S23081439.D
Naphthalene	91-20-3	**513**		8.862	25	S23081439.D
2-Methylnaphthalene	91-57-6	**812**		9.593	25	S23081439.D
∉ **TPH C4-C9**		**57,700**		4.940	5,000	S23081439.D
∉ **TPH C10-C15**		**427,000**		8.339	5,000	S23081439.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-36

PSG-32
Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Vinyl Chloride	75-01-4	**12**		1.563	10	S23081440.D
1,1-Dichloroethene	75-35-4	**28**		1.990	10	S23081440.D
trans-1,2-Dichloroethene	156-60-5	**70**		2.288	10	S23081440.D
Methyl-t-butyl ether	1634-04-4	**28**		2.285	25	S23081440.D
1,1-Dichloroethane	75-34-3	**41**		2.483	10	S23081440.D
cis-1,2-Dichloroethene	156-59-2	**274**		2.750	10	S23081440.D
Benzene	71-43-2	**313**		3.221	25	S23081440.D
Trichloroethene	79-01-6	**24**		3.623	10	S23081440.D
Toluene	108-88-3	**62**		4.572	25	S23081440.D
p & m-Xylene	179601-23-1	**59**		5.903	25	S23081440.D
o-Xylene	95-47-6	**34**		6.195	25	S23081440.D
Isopropylbenzene	98-82-8	**130**		6.469	25	S23081440.D
1,2,4-Trimethylbenzene	95-63-6	**29**		7.159	25	S23081440.D
Naphthalene	91-20-3	**65**		8.859	25	S23081440.D
2-Methylnaphthalene	91-57-6	**32**		9.590	25	S23081440.D
∉ **TPH C4-C9**		**25,200**		4.940	5,000	S23081440.D
∉ **TPH C10-C15**		**80,200**		8.339	5,000	S23081440.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-37 — **PSG-33** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Methyl-t-butyl ether	1634-04-4	**37**		2.282	25	S23081441.D
1,1-Dichloroethane	75-34-3	**37**		2.480	10	S23081441.D
Benzene	71-43-2	**89**		3.221	25	S23081441.D
Trichloroethene	79-01-6	**11**		3.623	10	S23081441.D
Toluene	108-88-3	**38**		4.569	25	S23081441.D
Tetrachloroethene	127-18-4	**63**		5.005	10	S23081441.D
p & m-Xylene	179601-23-1	**34**		5.903	25	S23081441.D
1,3,5-Trimethylbenzene	108-67-8	**30**		6.905	25	S23081441.D
1,2,4-Trimethylbenzene	95-63-6	**43**		7.160	25	S23081441.D
∉ **TPH C4-C9**		**5,790**		4.940	5,000	S23081441.D
∉ **TPH C10-C15**		**12,300**		8.339	5,000	S23081441.D

Lab Sample ID: 0007137-38 — **PSG-34** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Vinyl Chloride	75-01-4	**18**		1.560	10	S23081442.D
1,1-Dichloroethene	75-35-4	**97**		1.996	10	S23081442.D
1,1-Dichloroethane	75-34-3	**73**		2.483	10	S23081442.D
1,1,1-Trichloroethane	71-55-6	**159**		3.020	10	S23081442.D
Ethylbenzene	100-41-4	**50**		5.806	25	S23081442.D
p & m-Xylene	179601-23-1	**281**		5.903	25	S23081442.D
o-Xylene	95-47-6	**109**		6.195	25	S23081442.D
Naphthalene	91-20-3	**38**		8.856	25	S23081442.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-39

PSG-35
Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1,1-Trichloroethane	71-55-6	**296**		3.027	10	S23081443.D
Benzene	71-43-2	**179**		3.224	25	S23081443.D
Trichloroethene	79-01-6	**21**		3.620	10	S23081443.D
Toluene	108-88-3	**165**		4.572	25	S23081443.D
Tetrachloroethene	127-18-4	**122**		5.008	10	S23081443.D
Ethylbenzene	100-41-4	**47**		5.806	25	S23081443.D
p & m-Xylene	179601-23-1	**123**		5.907	25	S23081443.D
o-Xylene	95-47-6	**75**		6.196	25	S23081443.D
1,3,5-Trimethylbenzene	108-67-8	**30**		6.905	25	S23081443.D
1,2,4-Trimethylbenzene	95-63-6	**67**		7.160	25	S23081443.D
Naphthalene	91-20-3	**45**		8.856	25	S23081443.D
2-Methylnaphthalene	91-57-6	**39**		9.591	25	S23081443.D
∉ **TPH C4-C9**		**71,200**		4.940	5,000	S23081443.D
∉ **TPH C10-C15**		**55,100**		8.339	5,000	S23081443.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-40

PSG-35-Dup
Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1-Dichloroethene	75-35-4	**15**		1.990	10	S23081444.D
1,1,1-Trichloroethane	71-55-6	**199**		3.026	10	S23081444.D
Benzene	71-43-2	**159**		3.224	25	S23081444.D
Trichloroethene	79-01-6	**23**		3.623	10	S23081444.D
Toluene	108-88-3	**149**		4.572	25	S23081444.D
Tetrachloroethene	127-18-4	**64**		5.008	10	S23081444.D
Ethylbenzene	100-41-4	**36**		5.806	25	S23081444.D
p & m-Xylene	179601-23-1	**105**		5.906	25	S23081444.D
o-Xylene	95-47-6	**65**		6.195	25	S23081444.D
1,3,5-Trimethylbenzene	108-67-8	**34**		6.905	25	S23081444.D
1,2,4-Trimethylbenzene	95-63-6	**68**		7.163	25	S23081444.D
Naphthalene	91-20-3	**44**		8.855	25	S23081444.D
2-Methylnaphthalene	91-57-6	**36**		9.590	25	S23081444.D
∉ **TPH C4-C9**		**59,400**		4.940	5,000	S23081444.D
∉ **TPH C10-C15**		**44,100**		8.339	5,000	S23081444.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-41 | **PSG-36** Soil Gas | Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Vinyl Chloride	75-01-4	**81**		1.563	10	S23081519.D
1,1-Dichloroethene	75-35-4	**135**		1.996	10	S23081519.D
trans-1,2-Dichloroethene	156-60-5	**30**		2.292	10	S23081519.D
cis-1,2-Dichloroethene	156-59-2	**288**		2.750	10	S23081519.D
Benzene	71-43-2	**406**		3.227	25	S23081519.D
Trichloroethene	79-01-6	**243**		3.623	10	S23081519.D
Toluene	108-88-3	**334**		4.581	25	S23081519.D
Tetrachloroethene	127-18-4	**114**		5.011	10	S23081519.D
Ethylbenzene	100-41-4	**141**		5.812	25	S23081519.D
p & m-Xylene	179601-23-1	**409**		5.913	25	S23081519.D
o-Xylene	95-47-6	**267**		6.199	25	S23081519.D
Isopropylbenzene	98-82-8	**132**		6.472	25	S23081519.D
1,3,5-Trimethylbenzene	108-67-8	**424**		6.908	25	S23081519.D
1,2,4-Trimethylbenzene	95-63-6	**518**		7.163	25	S23081519.D
1,2-Dichlorobenzene	95-50-1	**23**		7.653	10	S23081519.D
Naphthalene	91-20-3	**110**		8.856	25	S23081519.D
1,2,3-Trichlorobenzene	87-61-6	**17**		8.991	10	S23081519.D
2-Methylnaphthalene	91-57-6	**132**		9.590	25	S23081519.D
∉ **TPH C4-C9**		**155,000**		4.940	5,000	S23081519.D
∉ **TPH C10-C15**		**64,800**		8.339	5,000	S23081519.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-42 — **PSG-37** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1-Dichloroethene	75-35-4	**11**		1.993	10	S23081520.D
1,1-Dichloroethane	75-34-3	**15**		2.483	10	S23081520.D
1,1,1-Trichloroethane	71-55-6	**21**		3.020	10	S23081520.D
Benzene	71-43-2	**70**		3.221	25	S23081520.D
Toluene	108-88-3	**31**		4.568	25	S23081520.D
Ethylbenzene	100-41-4	**35**		5.803	25	S23081520.D
p & m-Xylene	179601-23-1	**153**		5.903	25	S23081520.D
o-Xylene	95-47-6	**71**		6.192	25	S23081520.D
∉ **TPH C4-C9**		**5,090**		4.940	5,000	S23081520.D
∉ **TPH C10-C15**		**8,560**		8.339	5,000	S23081520.D

Lab Sample ID: 0007137-43 — **PSG-38** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1,1-Trichloroethane	71-55-6	**17**		3.023	10	S23081521.D
Benzene	71-43-2	**114**		3.221	25	S23081521.D
Toluene	108-88-3	**52**		4.569	25	S23081521.D
p & m-Xylene	179601-23-1	**83**		5.906	25	S23081521.D
o-Xylene	95-47-6	**52**		6.195	25	S23081521.D
Isopropylbenzene	98-82-8	**28**		6.469	25	S23081521.D
1,3,5-Trimethylbenzene	108-67-8	**81**		6.905	25	S23081521.D
1,2,4-Trimethylbenzene	95-63-6	**103**		7.163	25	S23081521.D
Naphthalene	91-20-3	**33**		8.856	25	S23081521.D
2-Methylnaphthalene	91-57-6	**32**		9.591	25	S23081521.D
∉ **TPH C4-C9**		**22,800**		4.940	5,000	S23081521.D
∉ **TPH C10-C15**		**49,800**		8.339	5,000	S23081521.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-44 — **PSG-39** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	**90**		3.227	25	S23081522.D
Toluene	108-88-3	**67**		4.575	25	S23081522.D
Ethylbenzene	100-41-4	**32**		5.809	25	S23081522.D
p & m-Xylene	179601-23-1	**124**		5.906	25	S23081522.D
o-Xylene	95-47-6	**56**		6.195	25	S23081522.D
1,2,4-Trimethylbenzene	95-63-6	**32**		7.160	25	S23081522.D

Lab Sample ID: 0007137-45 — **PSG-40** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Trichloroethene	79-01-6	**11**		3.623	10	S23081523.D
p & m-Xylene	179601-23-1	**56**		5.903	25	S23081523.D

Lab Sample ID: 0007137-46 — **PSG-41** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1-Dichloroethene	75-35-4	**26**		1.990	10	S23081524.D
cis-1,2-Dichloroethene	156-59-2	**26**		2.747	10	S23081524.D
Trichloroethene	79-01-6	**6,090**		3.620	10	S23081524.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-47 — **PSG-42** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1,1-Trichloroethane	71-55-6	**33**		3.023	10	S23081525.D
Trichloroethene	79-01-6	**97**		3.623	10	S23081525.D
Tetrachloroethene	127-18-4	**264**		5.005	10	S23081525.D
Ethylbenzene	100-41-4	**57**		5.806	25	S23081525.D
p & m-Xylene	179601-23-1	**245**		5.903	25	S23081525.D
o-Xylene	95-47-6	**85**		6.195	25	S23081525.D

Lab Sample ID: 0007137-48 — **PSG-43** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
p & m-Xylene	179601-23-1	**68**		5.903	25	S23081526.D
o-Xylene	95-47-6	**48**		6.195	25	S23081526.D

Lab Sample ID: 0007137-49 — **PSG-43-Dup** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
p & m-Xylene	179601-23-1	**67**		5.903	25	S23081527.D
o-Xylene	95-47-6	**46**		6.192	25	S23081527.D

Lab Sample ID: 0007137-50 — **PSG-44** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	**39**		3.221	25	S23081528.D
∉ **TPH C10-C15**		**12,000**		8.339	5,000	S23081528.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-51 — **PSG-45** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	**452**		3.221	25	S23081529.D
Toluene	108-88-3	**438**		4.568	25	S23081529.D
Ethylbenzene	100-41-4	**214**		5.806	25	S23081529.D
p & m-Xylene	179601-23-1	**545**		5.903	25	S23081529.D
o-Xylene	95-47-6	**515**		6.195	25	S23081529.D
Isopropylbenzene	98-82-8	**194**		6.469	25	S23081529.D
1,3,5-Trimethylbenzene	108-67-8	**379**		6.905	25	S23081529.D
1,2,4-Trimethylbenzene	95-63-6	**555**		7.163	25	S23081529.D
Naphthalene	91-20-3	**130**		8.855	25	S23081529.D
2-Methylnaphthalene	91-57-6	**139**		9.587	25	S23081529.D
∉ **TPH C4-C9**		**16,800**		4.940	5,000	S23081529.D
∉ **TPH C10-C15**		**52,700**		8.339	5,000	S23081529.D

Lab Sample ID: 0007137-52 — **PSG-46** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
cis-1,2-Dichloroethene	156-59-2	**15**		2.876	10	S23081530.D
Benzene	71-43-2	**456**		3.224	25	S23081530.D
Toluene	108-88-3	**247**		4.568	25	S23081530.D
Ethylbenzene	100-41-4	**80**		5.806	25	S23081530.D
p & m-Xylene	179601-23-1	**158**		5.906	25	S23081530.D
o-Xylene	95-47-6	**155**		6.195	25	S23081530.D
Isopropylbenzene	98-82-8	**115**		6.469	25	S23081530.D
1,3,5-Trimethylbenzene	108-67-8	**196**		6.908	25	S23081530.D
1,2,4-Trimethylbenzene	95-63-6	**183**		7.163	25	S23081530.D
Naphthalene	91-20-3	**58**		8.855	25	S23081530.D
2-Methylnaphthalene	91-57-6	**61**		9.590	25	S23081530.D
∉ **TPH C4-C9**		**51,700**		4.940	5,000	S23081530.D
∉ **TPH C10-C15**		**74,200**		8.339	5,000	S23081530.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-53 — **PSG-47** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	**44**		3.224	25	S23081531.D
Toluene	108-88-3	**33**		4.572	25	S23081531.D
Tetrachloroethene	127-18-4	**16**		5.005	10	S23081531.D
Ethylbenzene	100-41-4	**182**		5.806	25	S23081531.D
p & m-Xylene	179601-23-1	**801**		5.906	25	S23081531.D
o-Xylene	95-47-6	**286**		6.195	25	S23081531.D
∉ **TPH C4-C9**		**15,700**		4.940	5,000	S23081531.D
∉ **TPH C10-C15**		**24,100**		8.339	5,000	S23081531.D

Lab Sample ID: 0007137-54 — **PSG-48** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1,1-Trichloroethane	71-55-6	**13**		3.026	10	S23081532.D
Tetrachloroethene	127-18-4	**13**		5.008	10	S23081532.D
Ethylbenzene	100-41-4	**1,030**		5.806	25	S23081532.D
p & m-Xylene	179601-23-1	**3,990**		5.910	25	S23081532.D
o-Xylene	95-47-6	**2,180**		6.195	25	S23081532.D
Isopropylbenzene	98-82-8	**63**		6.469	25	S23081532.D
1,3,5-Trimethylbenzene	108-67-8	**112**		6.905	25	S23081532.D
1,2,4-Trimethylbenzene	95-63-6	**268**		7.160	25	S23081532.D
∉ **TPH C4-C9**		**20,200**		4.940	5,000	S23081532.D
∉ **TPH C10-C15**		**14,000**		8.339	5,000	S23081532.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-55 — **PSG-49** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1-Dichloroethane	75-34-3	**17**		2.483	10	S23081533.D
cis-1,2-Dichloroethene	156-59-2	**17**		2.747	10	S23081533.D
Benzene	71-43-2	**72**		3.224	25	S23081533.D
Trichloroethene	79-01-6	**10**		3.620	10	S23081533.D
1,4-Dioxane	123-91-1	**23**		3.840	10	S23081533.D
Toluene	108-88-3	**40**		4.569	25	S23081533.D
Tetrachloroethene	127-18-4	**11**		5.008	10	S23081533.D
p & m-Xylene	179601-23-1	**51**		5.907	25	S23081533.D
Naphthalene	91-20-3	**36**		8.831	25	S23081533.D
∉ **TPH C4-C9**		**82,000**		4.940	5,000	S23081533.D
∉ **TPH C10-C15**		**284,000**		8.339	5,000	S23081533.D

Lab Sample ID: 0007137-56 — **PSG-50** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Vinyl Chloride	75-01-4	**42**		1.569	10	S23081534.D
1,1-Dichloroethene	75-35-4	**1,070**		2.002	10	S23081534.D
1,1-Dichloroethane	75-34-3	**153**		2.489	10	S23081534.D
Chloroform	67-66-3	**45**		2.926	10	S23081534.D
1,1,1-Trichloroethane	71-55-6	**2,710**	D	3.502	190	C23081605.D
Benzene	71-43-2	**30**		3.230	25	S23081534.D
p & m-Xylene	179601-23-1	**35**		5.906	25	S23081534.D
∉ **TPH C10-C15**		**8,620**		8.339	5,000	S23081534.D

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-57 | **PSG-51** Soil Gas | Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Vinyl Chloride	75-01-4	**21**		1.560	10	S23081535.D
1,1-Dichloroethene	75-35-4	**1,240**		1.993	10	S23081535.D
1,1-Dichloroethane	75-34-3	**23**		2.480	10	S23081535.D
1,1,1-Trichloroethane	71-55-6	**2,790**	D	3.499	190	C23081606.D
Benzene	71-43-2	**33**		3.221	25	S23081535.D
Toluene	108-88-3	**32**		4.572	25	S23081535.D
Tetrachloroethene	127-18-4	**11**		5.005	10	S23081535.D
Ethylbenzene	100-41-4	**44**		5.806	25	S23081535.D
p & m-Xylene	179601-23-1	**211**		5.903	25	S23081535.D
o-Xylene	95-47-6	**92**		6.192	25	S23081535.D
1,2,4-Trimethylbenzene	95-63-6	**40**		7.160	25	S23081535.D
∉ **TPH C10-C15**		**9,830**		8.339	5,000	S23081535.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-58 — **PSG-52** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Vinyl Chloride	75-01-4	**32**		1.560	10	S23081536.D
1,1-Dichloroethene	75-35-4	**26**		1.993	10	S23081536.D
1,1-Dichloroethane	75-34-3	**333**		2.483	10	S23081536.D
Benzene	71-43-2	**246**		3.221	25	S23081536.D
Trichloroethene	79-01-6	**10**		3.620	10	S23081536.D
Toluene	108-88-3	**84**		4.569	25	S23081536.D
Ethylbenzene	100-41-4	**57**		5.806	25	S23081536.D
p & m-Xylene	179601-23-1	**262**		5.903	25	S23081536.D
o-Xylene	95-47-6	**130**		6.195	25	S23081536.D
1,3,5-Trimethylbenzene	108-67-8	**41**		6.905	25	S23081536.D
1,2,4-Trimethylbenzene	95-63-6	**80**		7.160	25	S23081536.D
Naphthalene	91-20-3	**37**		8.856	25	S23081536.D
2-Methylnaphthalene	91-57-6	**50**		9.587	25	S23081536.D
∉ **TPH C4-C9**		**9,310**		4.940	5,000	S23081536.D
∉ **TPH C10-C15**		**15,800**		8.339	5,000	S23081536.D

Lab Sample ID: 0007137-59 — **PSG-53** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1-Dichloroethane	75-34-3	**48**		2.480	10	S23081537.D
1,1,1-Trichloroethane	71-55-6	**39**		3.023	10	S23081537.D
Benzene	71-43-2	**296**		3.221	25	S23081537.D
Toluene	108-88-3	**57**		4.569	25	S23081537.D
p & m-Xylene	179601-23-1	**32**		5.903	25	S23081537.D
∉ **TPH C10-C15**		**9,650**		8.339	5,000	S23081537.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-60 — **PSG-54** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Vinyl Chloride	75-01-4	**56**		1.557	10	S23081538.D
1,1-Dichloroethene	75-35-4	**159**		1.993	10	S23081538.D
1,1-Dichloroethane	75-34-3	**737**		2.480	10	S23081538.D
1,1,1-Trichloroethane	71-55-6	**475**		3.023	10	S23081538.D
Benzene	71-43-2	**108**		3.221	25	S23081538.D
1,4-Dioxane	123-91-1	**36**		3.837	10	S23081538.D
p & m-Xylene	179601-23-1	**85**		5.903	25	S23081538.D
o-Xylene	95-47-6	**44**		6.192	25	S23081538.D
∉ **TPH C10-C15**		**6,840**		8.339	5,000	S23081538.D

Lab Sample ID: 0007137-61 — **PSG-55** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Vinyl Chloride	75-01-4	**62**		1.563	10	S23081539.D
1,1-Dichloroethene	75-35-4	**11**		1.993	10	S23081539.D
trans-1,2-Dichloroethene	156-60-5	**56**		2.291	10	S23081539.D
1,1-Dichloroethane	75-34-3	**118**		2.483	10	S23081539.D
cis-1,2-Dichloroethene	156-59-2	**405**		2.750	10	S23081539.D
Benzene	71-43-2	**74**		3.221	25	S23081539.D
Isopropylbenzene	98-82-8	**30**		6.469	25	S23081539.D
∉ **TPH C4-C9**		**16,000**		4.940	5,000	S23081539.D
∉ **TPH C10-C15**		**6,380**		8.339	5,000	S23081539.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-62 — **PSG-56** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	**54**		3.221	25	S23081540.D
Toluene	108-88-3	**28**		4.568	25	S23081540.D
p & m-Xylene	179601-23-1	**57**		5.903	25	S23081540.D
o-Xylene	95-47-6	**27**		6.192	25	S23081540.D
∉ **TPH C10-C15**		**8,620**		8.339	5,000	S23081540.D

Lab Sample ID: 0007137-63 — **PSG-57** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Vinyl Chloride	75-01-4	**11**		1.560	10	S23081541.D
1,1-Dichloroethene	75-35-4	**26**		1.996	10	S23081541.D
1,1-Dichloroethane	75-34-3	**299**		2.483	10	S23081541.D
1,1,1-Trichloroethane	71-55-6	**228**		3.030	10	S23081541.D
Benzene	71-43-2	**242**		3.221	25	S23081541.D
Toluene	108-88-3	**110**		4.572	25	S23081541.D
p & m-Xylene	179601-23-1	**64**		5.903	25	S23081541.D
o-Xylene	95-47-6	**58**		6.195	25	S23081541.D
1,3,5-Trimethylbenzene	108-67-8	**143**		6.905	25	S23081541.D
1,2,4-Trimethylbenzene	95-63-6	**127**		7.160	25	S23081541.D
∉ **TPH C4-C9**		**43,700**		4.940	5,000	S23081541.D
∉ **TPH C10-C15**		**12,700**		8.339	5,000	S23081541.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-64 — **PSG-58** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1-Dichloroethene	75-35-4	**12**		1.996	10	S23081542.D
1,1-Dichloroethane	75-34-3	**19**		2.483	10	S23081542.D
1,1,1-Trichloroethane	71-55-6	**73**		3.023	10	S23081542.D
Benzene	71-43-2	**188**		3.221	25	S23081542.D
Toluene	108-88-3	**70**		4.568	25	S23081542.D
p & m-Xylene	179601-23-1	**63**		5.903	25	S23081542.D
o-Xylene	95-47-6	**39**		6.195	25	S23081542.D
Isopropylbenzene	98-82-8	**34**		6.468	25	S23081542.D
1,3,5-Trimethylbenzene	108-67-8	**118**		6.905	25	S23081542.D
1,2,4-Trimethylbenzene	95-63-6	**89**		7.159	25	S23081542.D
∉ **TPH C10-C15**		**9,040**		8.339	5,000	S23081542.D

Lab Sample ID: 0007137-65 — **PSG-59** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Vinyl Chloride	75-01-4	**23**		1.560	10	S23081543.D
1,1-Dichloroethene	75-35-4	**15**		1.993	10	S23081543.D
1,1-Dichloroethane	75-34-3	**1,260**	D	2.761	190	C23081607.D
1,1,1-Trichloroethane	71-55-6	**114**		3.020	10	S23081543.D
Benzene	71-43-2	**61**		3.221	25	S23081543.D
1,4-Dioxane	123-91-1	**917**	D	4.580	190	C23081607.D
Toluene	108-88-3	**34**		4.568	25	S23081543.D
Tetrachloroethene	127-18-4	**71**		5.005	10	S23081543.D
Ethylbenzene	100-41-4	**73**		5.806	25	S23081543.D
p & m-Xylene	179601-23-1	**345**		5.903	25	S23081543.D
o-Xylene	95-47-6	**171**		6.195	25	S23081543.D
∉ **TPH C10-C15**		**15,400**		8.339	5,000	S23081543.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-66 — **PSG-60** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Benzene	71-43-2	**76**		3.221	25	S23081544.D
Tetrachloroethene	127-18-4	**333**		5.005	10	S23081544.D

Lab Sample ID: 0007137-67 — **PSG-61** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1-Dichloroethene	75-35-4	**21**		1.996	10	S23081545.D
1,1-Dichloroethane	75-34-3	**332**		2.486	10	S23081545.D
1,1,1-Trichloroethane	71-55-6	**68**		3.029	10	S23081545.D
Benzene	71-43-2	**1,080**		3.224	25	S23081545.D
Trichloroethene	79-01-6	**12**		3.620	10	S23081545.D
1,4-Dioxane	123-91-1	**86**		3.840	10	S23081545.D
Toluene	108-88-3	**468**		4.574	25	S23081545.D
Ethylbenzene	100-41-4	**158**		5.809	25	S23081545.D
p & m-Xylene	179601-23-1	**513**		5.906	25	S23081545.D
o-Xylene	95-47-6	**757**		6.195	25	S23081545.D
Isopropylbenzene	98-82-8	**265**		6.471	25	S23081545.D
1,3,5-Trimethylbenzene	108-67-8	**544**		6.905	25	S23081545.D
1,2,4-Trimethylbenzene	95-63-6	**662**		7.159	25	S23081545.D
Naphthalene	91-20-3	**105**		8.855	25	S23081545.D
2-Methylnaphthalene	91-57-6	**67**		9.590	25	S23081545.D
∉ **TPH C4-C9**		**52,800**		4.940	5,000	S23081545.D
∉ **TPH C10-C15**		**48,600**		8.339	5,000	S23081545.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-68

PSG-61-Dup
Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Vinyl Chloride	75-01-4	**16**		1.557	10	S23081546.D
1,1-Dichloroethene	75-35-4	**24**		1.990	10	S23081546.D
1,1-Dichloroethane	75-34-3	**308**		2.480	10	S23081546.D
1,1,1-Trichloroethane	71-55-6	**63**		3.026	10	S23081546.D
Benzene	71-43-2	**850**		3.224	25	S23081546.D
1,4-Dioxane	123-91-1	**79**		3.840	10	S23081546.D
Toluene	108-88-3	**353**		4.572	25	S23081546.D
Ethylbenzene	100-41-4	**138**		5.806	25	S23081546.D
p & m-Xylene	179601-23-1	**520**		5.903	25	S23081546.D
o-Xylene	95-47-6	**747**		6.195	25	S23081546.D
Isopropylbenzene	98-82-8	**268**		6.469	25	S23081546.D
1,3,5-Trimethylbenzene	108-67-8	**529**		6.905	25	S23081546.D
1,2,4-Trimethylbenzene	95-63-6	**700**		7.160	25	S23081546.D
Naphthalene	91-20-3	**102**		8.856	25	S23081546.D
2-Methylnaphthalene	91-57-6	**61**		9.590	25	S23081546.D
∉ **TPH C4-C9**		**45,600**		4.940	5,000	S23081546.D
∉ **TPH C10-C15**		**45,400**		8.339	5,000	S23081546.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-69 — **PSG-62** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1-Dichloroethene	75-35-4	**169**		1.993	10	S23081547.D
trans-1,2-Dichloroethene	156-60-5	**149**		2.288	10	S23081547.D
cis-1,2-Dichloroethene	156-59-2	**688**		2.747	10	S23081547.D
Benzene	71-43-2	**103**		3.224	25	S23081547.D
Trichloroethene	79-01-6	**26,300**	D	4.297	190	C23081608.D
Toluene	108-88-3	**80**		4.572	25	S23081547.D
Tetrachloroethene	127-18-4	**359**		5.005	10	S23081547.D
p & m-Xylene	179601-23-1	**45**		5.907	25	S23081547.D
o-Xylene	95-47-6	**38**		6.195	25	S23081547.D
1,3,5-Trimethylbenzene	108-67-8	**46**		6.912	25	S23081547.D
1,2,4-Trimethylbenzene	95-63-6	**45**		7.166	25	S23081547.D
Naphthalene	91-20-3	**31**		8.859	25	S23081547.D
∉ **TPH C4-C9**		**84,500**		4.940	5,000	S23081547.D
∉ **TPH C10-C15**		**352,000**		8.339	5,000	S23081547.D

Lab Sample ID: 0007137-70 — **PSG-63** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
1,1-Dichloroethene	75-35-4	**18**		1.993	10	S23081548.D
Chloroform	67-66-3	**18**		2.917	10	S23081548.D
1,1,1-Trichloroethane	71-55-6	**25**		3.020	10	S23081548.D
Benzene	71-43-2	**39**		3.221	25	S23081548.D
Trichloroethene	79-01-6	**36**		3.623	10	S23081548.D
1,4-Dioxane	123-91-1	**22**		3.843	10	S23081548.D
Tetrachloroethene	127-18-4	**59**		5.005	10	S23081548.D
p & m-Xylene	179601-23-1	**54**		5.907	25	S23081548.D
o-Xylene	95-47-6	**30**		6.195	25	S23081548.D
∉ **TPH C10-C15**		**15,200**		8.339	5,000	S23081548.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Mass

Lab Sample ID: 0007137-71 | **PSG-64** Soil Gas | Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	RT	LOQ (ng)	File ID
Tetrachloroethene	127-18-4	**11**		5.008	10	S23081549.D
≰ **TPH C10-C15**		**10,600**		8.339	5,000	S23081549.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-03 — **PSG-02** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	**5.67**		3.221	2.18	S23081407.D
Toluene	108-88-3	**3.96**		4.569	2.89	S23081407.D
p & m-Xylene	179601-23-1	**2.35**		5.904	1.32	S23081407.D
1,2,4-Trimethylbenzene	95-63-6	**1.59**		7.160	1.39	S23081407.D
∉ **TPH C10-C15**		**887**		8.339	335	S23081407.D

Lab Sample ID: 0007137-04 — **PSG-03** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	**3.80**		3.221	2.31	S23081408.D
Toluene	108-88-3	**3.24**		4.568	3.06	S23081408.D
∉ **TPH C10-C15**		**959**		8.339	355	S23081408.D

Lab Sample ID: 0007137-05 — **PSG-04** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	**4.41**		3.218	2.31	S23081409.D
∉ **TPH C10-C15**		**400**		8.339	355	S23081409.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-06 | **PSG-05** | Soil Gas | Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	**7.57**		3.221	2.20	S23081410.D
Toluene	108-88-3	**6.37**		4.572	2.92	S23081410.D
p & m-Xylene	179601-23-1	**2.38**		5.903	1.33	S23081410.D
o-Xylene	95-47-6	**1.41**		6.195	1.33	S23081410.D
1,3,5-Trimethylbenzene	108-67-8	**1.49**		6.905	1.41	S23081410.D
1,2,4-Trimethylbenzene	95-63-6	**4.60**		7.163	1.41	S23081410.D
Naphthalene	91-20-3	**1.84**		8.856	1.46	S23081410.D
2-Methylnaphthalene	91-57-6	**2.06**		9.591	1.54	S23081410.D
∉ **TPH C4-C9**		**884**		4.940	395	S23081410.D
∉ **TPH C10-C15**		**6,550**		8.339	338	S23081410.D

Lab Sample ID: 0007137-07 | **PSG-06** | Soil Gas | Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	**15.3**		3.224	2.20	S23081411.D
Toluene	108-88-3	**6.47**		4.572	2.92	S23081411.D
Naphthalene	91-20-3	**4.65**		8.859	1.46	S23081411.D
2-Methylnaphthalene	91-57-6	**5.04**		9.591	1.54	S23081411.D
∉ **TPH C4-C9**		**4,120**		4.940	396	S23081411.D
∉ **TPH C10-C15**		**26,000**		8.339	338	S23081411.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-08 — **PSG-07** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	**4.07**		3.221	2.20	S23081412.D
Chlorobenzene	108-90-7	**0.86**		5.721	0.55	S23081412.D
p & m-Xylene	179601-23-1	**4.50**		5.903	1.33	S23081412.D
o-Xylene	95-47-6	**1.73**		6.192	1.33	S23081412.D
∉ **TPH C10-C15**		**1,130**		8.339	338	S23081412.D

Lab Sample ID: 0007137-09 — **PSG-08** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1-Dichloroethene	75-35-4	**2.09**		1.993	1.42	S23081413.D
1,1-Dichloroethane	75-34-3	**2.79**		2.483	0.55	S23081413.D
Benzene	71-43-2	**6.07**		3.221	2.20	S23081413.D
Toluene	108-88-3	**4.93**		4.572	2.92	S23081413.D
1,2,4-Trimethylbenzene	95-63-6	**1.72**		7.159	1.41	S23081413.D
Naphthalene	91-20-3	**2.07**		8.855	1.46	S23081413.D
∉ **TPH C10-C15**		**873**		8.339	339	S23081413.D

Lab Sample ID: 0007137-10 — **PSG-09** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Chloroform	67-66-3	**1.65**		2.920	1.42	S23081414.D
1,1,1-Trichloroethane	71-55-6	**0.48**		3.020	0.47	S23081414.D
Tetrachloroethene	127-18-4	**30.7**		5.005	1.21	S23081414.D
∉ **TPH C10-C15**		**431**		8.339	359	S23081414.D

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555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-11 — **PSG-10** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1-Dichloroethene	75-35-4	**2.97**		1.993	1.50	S23081415.D
1,1,1-Trichloroethane	71-55-6	**1.38**		3.023	0.47	S23081415.D
Benzene	71-43-2	**4.25**		3.221	2.34	S23081415.D
Trichloroethene	79-01-6	**33.5**		3.620	1.50	S23081415.D
Tetrachloroethene	127-18-4	**427**		5.008	1.21	S23081415.D
Naphthalene	91-20-3	**5.53**		8.856	1.55	S23081415.D
2-Methylnaphthalene	91-57-6	**3.75**		9.590	1.63	S23081415.D
∉ **TPH C4-C9**		**657**		4.940	420	S23081415.D
∉ **TPH C10-C15**		**1,990**		8.339	359	S23081415.D

Lab Sample ID: 0007137-12 — **PSG-11** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	**15.4**		3.224	2.34	S23081416.D
Toluene	108-88-3	**17.3**		4.575	3.10	S23081416.D
Tetrachloroethene	127-18-4	**1.65**		5.015	1.21	S23081416.D
Ethylbenzene	100-41-4	**3.19**		5.809	1.46	S23081416.D
p & m-Xylene	179601-23-1	**6.44**		5.913	1.41	S23081416.D
o-Xylene	95-47-6	**3.12**		6.199	1.41	S23081416.D
Isopropylbenzene	98-82-8	**20.9**		6.475	1.49	S23081416.D
1,3,5-Trimethylbenzene	108-67-8	**8.78**		6.908	1.49	S23081416.D
1,2,4-Trimethylbenzene	95-63-6	**68.0**	D	7.159	28.6	S23081446.D
Naphthalene	91-20-3	**188**	D	8.855	29.7	S23081446.D
2-Methylnaphthalene	91-57-6	**1,080**	D	9.590	31.3	S23081446.D
∉ **TPH C4-C9**		**14,500**		4.940	420	S23081416.D
∉ **TPH C10-C15**		**21,500**		8.339	359	S23081416.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-13 — **PSG-12** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1-Dichloroethene	75-35-4	**1.71**		1.993	1.48	S23081417.D
1,1,1-Trichloroethane	71-55-6	**2.42**		3.020	0.47	S23081417.D
Ethylbenzene	100-41-4	**5.94**		5.806	1.44	S23081417.D
p & m-Xylene	179601-23-1	**27.1**		5.903	1.39	S23081417.D
o-Xylene	95-47-6	**11.5**		6.192	1.39	S23081417.D
2-Methylnaphthalene	91-57-6	**8.83**		9.590	1.61	S23081417.D
∉ **TPH C10-C15**		**789**		8.339	354	S23081417.D

Lab Sample ID: 0007137-14 — **PSG-13** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1,1-Trichloroethane	71-55-6	**1.24**		3.029	0.47	S23081418.D
Benzene	71-43-2	**18.1**		3.224	2.31	S23081418.D
Toluene	108-88-3	**18.6**		4.572	3.06	S23081418.D
Ethylbenzene	100-41-4	**3.79**		5.806	1.44	S23081418.D
p & m-Xylene	179601-23-1	**6.76**		5.903	1.39	S23081418.D
o-Xylene	95-47-6	**3.56**		6.195	1.39	S23081418.D
2-Methylnaphthalene	91-57-6	**4.63**		9.587	1.61	S23081418.D
∉ **TPH C4-C9**		**4,320**		4.940	414	S23081418.D
∉ **TPH C10-C15**		**4,690**		8.339	354	S23081418.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-15 — **PSG-14** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	**4.77**		3.224	2.19	S23081419.D
Toluene	108-88-3	**5.10**		4.568	2.90	S23081419.D
Tetrachloroethene	127-18-4	**1.84**		5.005	1.13	S23081419.D
p & m-Xylene	179601-23-1	**4.90**		5.903	1.32	S23081419.D
o-Xylene	95-47-6	**2.47**		6.195	1.32	S23081419.D
1,2,4-Trimethylbenzene	95-63-6	**1.44**		7.160	1.40	S23081419.D
2-Methylnaphthalene	91-57-6	**2.46**		9.590	1.52	S23081419.D
∉ **TPH C10-C15**		**801**		8.339	336	S23081419.D

Lab Sample ID: 0007137-16 — **PSG-15** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	**2.28**		3.221	2.19	S23081420.D
Tetrachloroethene	127-18-4	**8.86**		5.008	1.13	S23081420.D
Ethylbenzene	100-41-4	**1.56**		5.806	1.36	S23081420.D
p & m-Xylene	179601-23-1	**7.99**		5.903	1.32	S23081420.D
o-Xylene	95-47-6	**3.62**		6.192	1.32	S23081420.D
∉ **TPH C10-C15**		**354**		8.339	336	S23081420.D

Lab Sample ID: 0007137-17 — **PSG-15-Dup** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Tetrachloroethene	127-18-4	**5.91**		5.005	1.13	S23081421.D
p & m-Xylene	179601-23-1	**7.07**		5.903	1.32	S23081421.D
o-Xylene	95-47-6	**3.16**		6.195	1.32	S23081421.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-18 — **PSG-16** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Ethylbenzene	100-41-4	**6.84**		5.806	1.46	S23081422.D
p & m-Xylene	179601-23-1	**35.7**		5.903	1.41	S23081422.D
o-Xylene	95-47-6	**16.3**		6.192	1.41	S23081422.D
1,3,5-Trimethylbenzene	108-67-8	**5.54**		6.902	1.49	S23081422.D
1,2,4-Trimethylbenzene	95-63-6	**4.85**		7.160	1.49	S23081422.D
∉ **TPH C10-C15**		**652**		8.339	359	S23081422.D

Lab Sample ID: 0007137-19 — **PSG-17** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1,1-Trichloroethane	71-55-6	**0.50**		3.020	0.47	S23081423.D
Tetrachloroethene	127-18-4	**7.27**		5.005	1.21	S23081423.D
p & m-Xylene	179601-23-1	**1.59**		5.906	1.41	S23081423.D

Lab Sample ID: 0007137-20 — **PSG-18** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	**5.09**		3.221	2.20	S23081424.D
2-Methylnaphthalene	91-57-6	**2.42**		9.590	1.54	S23081424.D
∉ **TPH C10-C15**		**936**		8.339	338	S23081424.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-21 — **PSG-19** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	**3.24**		3.224	2.20	S23081425.D
1,3,5-Trimethylbenzene	108-67-8	**1.71**		6.902	1.41	S23081425.D
1,2,4-Trimethylbenzene	95-63-6	**3.50**		7.160	1.41	S23081425.D
Naphthalene	91-20-3	**2.35**		8.856	1.46	S23081425.D
2-Methylnaphthalene	91-57-6	**2.98**		9.590	1.54	S23081425.D
∉ **TPH C10-C15**		**6,060**		8.339	338	S23081425.D

Lab Sample ID: 0007137-22 — **PSG-20** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	**6.00**		3.221	2.31	S23081426.D
∉ **TPH C4-C9**		**565**		4.940	415	S23081426.D
∉ **TPH C10-C15**		**3,350**		8.339	355	S23081426.D

Lab Sample ID: 0007137-23 — **PSG-20-Dup** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	**5.61**		3.221	2.31	S23081427.D
∉ **TPH C4-C9**		**527**		4.940	415	S23081427.D
∉ **TPH C10-C15**		**3,070**		8.339	355	S23081427.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-24 — **PSG-21** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1-Dichloroethane	75-34-3	**4.84**		2.486	0.58	S23081428.D
Benzene	71-43-2	**6.77**		3.227	2.31	S23081428.D
Toluene	108-88-3	**4.97**		4.572	3.06	S23081428.D
1,2,4-Trimethylbenzene	95-63-6	**2.44**		7.160	1.48	S23081428.D
Naphthalene	91-20-3	**1.76**		8.855	1.53	S23081428.D
2-Methylnaphthalene	91-57-6	**2.98**		9.590	1.61	S23081428.D
∉ **TPH C4-C9**		**874**		4.940	415	S23081428.D
∉ **TPH C10-C15**		**2,680**		8.339	355	S23081428.D

Lab Sample ID: 0007137-25 — **PSG-22** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Vinyl Chloride	75-01-4	**2.26**		1.554	0.61	S23081429.D
1,1-Dichloroethene	75-35-4	**438**		1.993	1.50	S23081429.D
1,1-Dichloroethane	75-34-3	**336**	D	2.477	11.2	S23081447.D
cis-1,2-Dichloroethene	156-59-2	**1.05**		2.750	0.94	S23081429.D
1,1,1-Trichloroethane	71-55-6	**110**	D	3.020	9.05	S23081447.D
Benzene	71-43-2	**11.7**		3.224	2.34	S23081429.D
1,4-Dioxane	123-91-1	**77.5**		3.840	1.21	S23081429.D
Toluene	108-88-3	**10.1**		4.584	3.10	S23081429.D
Ethylbenzene	100-41-4	**1.90**		5.815	1.46	S23081429.D
p & m-Xylene	179601-23-1	**2.58**		5.919	1.41	S23081429.D
o-Xylene	95-47-6	**1.46**		6.208	1.41	S23081429.D
∉ **TPH C4-C9**		**20,400**		4.940	420	S23081429.D
∉ **TPH C10-C15**		**2,850**		8.339	359	S23081429.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-26 — **PSG-23** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1-Dichloroethene	75-35-4	**2.14**		1.996	1.50	S23081430.D
1,1-Dichloroethane	75-34-3	**0.82**		2.480	0.58	S23081430.D
1,1,1-Trichloroethane	71-55-6	**0.73**		3.023	0.47	S23081430.D
Benzene	71-43-2	**3.14**		3.221	2.34	S23081430.D
p & m-Xylene	179601-23-1	**3.44**		5.906	1.41	S23081430.D

Lab Sample ID: 0007137-27 — **PSG-24** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1-Dichloroethene	75-35-4	**1.91**		1.993	1.50	S23081431.D
1,1,1-Trichloroethane	71-55-6	**2.56**		3.023	0.47	S23081431.D
Benzene	71-43-2	**3.72**		3.221	2.34	S23081431.D
1,4-Dioxane	123-91-1	**1.56**		3.837	1.21	S23081431.D
Tetrachloroethene	127-18-4	**11.0**		5.005	1.21	S23081431.D
p & m-Xylene	179601-23-1	**2.50**		5.907	1.41	S23081431.D
∉ **TPH C10-C15**		**534**		8.339	359	S23081431.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-28

PSG-25
Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1-Dichloroethene	75-35-4	**4.31**		1.996	1.49	S23081432.D
trans-1,2-Dichloroethene	156-60-5	**3.51**		2.291	1.12	S23081432.D
cis-1,2-Dichloroethene	156-59-2	**14.0**		2.750	0.93	S23081432.D
Benzene	71-43-2	**79.0**		3.224	2.33	S23081432.D
Trichloroethene	79-01-6	**689**		3.623	1.49	S23081432.D
Toluene	108-88-3	**42.2**		4.575	3.08	S23081432.D
Tetrachloroethene	127-18-4	**1,170**		5.033	1.20	S23081432.D
Ethylbenzene	100-41-4	**9.38**		5.806	1.45	S23081432.D
p & m-Xylene	179601-23-1	**13.6**		5.906	1.40	S23081432.D
o-Xylene	95-47-6	**7.74**		6.195	1.40	S23081432.D
Isopropylbenzene	98-82-8	**2.94**		6.469	1.49	S23081432.D
1,3,5-Trimethylbenzene	108-67-8	**2.02**		6.905	1.49	S23081432.D
1,2,4-Trimethylbenzene	95-63-6	**3.69**		7.159	1.49	S23081432.D
∉ **TPH C4-C9**		**6,980**		4.940	418	S23081432.D
∉ **TPH C10-C15**		**2,360**		8.339	357	S23081432.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-29

PSG-25-Dup
Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1-Dichloroethene	75-35-4	**2.83**		1.996	1.49	S23081433.D
trans-1,2-Dichloroethene	156-60-5	**1.96**		2.288	1.12	S23081433.D
cis-1,2-Dichloroethene	156-59-2	**8.93**		2.750	0.93	S23081433.D
Benzene	71-43-2	**125**		3.224	2.33	S23081433.D
Trichloroethene	79-01-6	**584**		3.623	1.49	S23081433.D
Toluene	108-88-3	**52.4**		4.575	3.08	S23081433.D
Tetrachloroethene	127-18-4	**1,110**		5.011	1.20	S23081433.D
Ethylbenzene	100-41-4	**8.12**		5.806	1.45	S23081433.D
p & m-Xylene	179601-23-1	**10.0**		5.906	1.40	S23081433.D
o-Xylene	95-47-6	**4.91**		6.195	1.40	S23081433.D
Isopropylbenzene	98-82-8	**2.33**		6.469	1.49	S23081433.D
1,3,5-Trimethylbenzene	108-67-8	**1.74**		6.902	1.49	S23081433.D
1,2,4-Trimethylbenzene	95-63-6	**2.96**		7.160	1.49	S23081433.D
∉ **TPH C4-C9**		**12,700**		4.940	418	S23081433.D
∉ **TPH C10-C15**		**2,740**		8.339	357	S23081433.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-30 — **PSG-26** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	**8.22**		3.221	2.33	S23081434.D
Toluene	108-88-3	**3.48**		4.572	3.08	S23081434.D
Tetrachloroethene	127-18-4	**5.16**		5.008	1.20	S23081434.D
Ethylbenzene	100-41-4	**4.03**		5.803	1.45	S23081434.D
p & m-Xylene	179601-23-1	**10.1**		5.906	1.40	S23081434.D
o-Xylene	95-47-6	**6.50**		6.195	1.40	S23081434.D
1,3,5-Trimethylbenzene	108-67-8	**2.39**		6.905	1.49	S23081434.D
1,2,4-Trimethylbenzene	95-63-6	**3.79**		7.160	1.49	S23081434.D
2-Methylnaphthalene	91-57-6	**1.63**		9.591	1.62	S23081434.D
∉ **TPH C4-C9**		**3,940**		4.940	418	S23081434.D
∉ **TPH C10-C15**		**1,210**		8.339	357	S23081434.D

Lab Sample ID: 0007137-31 — **PSG-27** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Toluene	108-88-3	**2.98**		4.569	2.90	S23081435.D
Tetrachloroethene	127-18-4	**1.14**		5.005	1.13	S23081435.D
p & m-Xylene	179601-23-1	**3.83**		5.903	1.32	S23081435.D
o-Xylene	95-47-6	**1.91**		6.192	1.32	S23081435.D
1,3,5-Trimethylbenzene	108-67-8	**2.66**		6.905	1.40	S23081435.D
1,2,4-Trimethylbenzene	95-63-6	**8.04**		7.160	1.40	S23081435.D
∉ **TPH C10-C15**		**336**		8.339	336	S23081435.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-32 — **PSG-28** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	**2.72**		3.221	2.32	S23081436.D
Tetrachloroethene	127-18-4	**10.0**		5.005	1.20	S23081436.D
Isopropylbenzene	98-82-8	**1.52**		6.468	1.48	S23081436.D
1,3,5-Trimethylbenzene	108-67-8	**2.23**		6.905	1.48	S23081436.D
1,2,4-Trimethylbenzene	95-63-6	**5.41**		7.159	1.48	S23081436.D
∉ **TPH C10-C15**		**421**		8.339	357	S23081436.D

Lab Sample ID: 0007137-33 — **PSG-29** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Toluene	108-88-3	**6.41**		4.572	3.08	S23081445.D
p & m-Xylene	179601-23-1	**10.3**		5.906	1.40	S23081445.D
o-Xylene	95-47-6	**5.19**		6.195	1.40	S23081445.D
Isopropylbenzene	98-82-8	**35.1**		6.468	1.48	S23081445.D
1,3,5-Trimethylbenzene	108-67-8	**44.4**		6.905	1.48	S23081445.D
1,2,4-Trimethylbenzene	95-63-6	**71.5**	D	7.159	28.4	S23081448.D
Naphthalene	91-20-3	**3.97**		8.855	1.54	S23081445.D
∉ **TPH C4-C9**		**2,670**		4.940	417	S23081445.D
∉ **TPH C10-C15**		**1,860**		8.339	357	S23081445.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-34 — **PSG-30** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	**6.97**		3.224	2.16	S23081438.D
Toluene	108-88-3	**3.77**		4.569	2.86	S23081438.D
1,2,4-Trimethylbenzene	95-63-6	**3.12**		7.160	1.38	S23081438.D
1,2,4-Trichlorobenzene	120-82-1	**30.6**		8.692	1.17	S23081438.D
Naphthalene	91-20-3	**1.75**		8.856	1.43	S23081438.D
1,2,3-Trichlorobenzene	87-61-6	**12.2**		8.997	1.17	S23081438.D
2-Methylnaphthalene	91-57-6	**1.99**		9.591	1.50	S23081438.D
∉ **TPH C10-C15**		**4,290**		8.339	331	S23081438.D

Lab Sample ID: 0007137-35 — **PSG-31** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Vinyl Chloride	75-01-4	**0.90**		1.557	0.61	S23081439.D
1,1-Dichloroethene	75-35-4	**6.71**		1.993	1.49	S23081439.D
Methyl-t-butyl ether	1634-04-4	**4.74**		2.282	2.45	S23081439.D
1,1-Dichloroethane	75-34-3	**9.34**		2.483	0.58	S23081439.D
Benzene	71-43-2	**23.9**		3.221	2.31	S23081439.D
Toluene	108-88-3	**18.8**		4.572	3.07	S23081439.D
Ethylbenzene	100-41-4	**2.15**		5.809	1.44	S23081439.D
p & m-Xylene	179601-23-1	**3.53**		5.906	1.39	S23081439.D
o-Xylene	95-47-6	**3.40**		6.195	1.39	S23081439.D
Naphthalene	91-20-3	**31.5**		8.862	1.53	S23081439.D
2-Methylnaphthalene	91-57-6	**52.4**		9.593	1.61	S23081439.D
∉ **TPH C4-C9**		**4,800**		4.940	416	S23081439.D
∉ **TPH C10-C15**		**30,300**		8.339	356	S23081439.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-36

PSG-32
Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Vinyl Chloride	75-01-4	**0.73**		1.563	0.61	S23081440.D
1,1-Dichloroethene	75-35-4	**4.23**		1.990	1.49	S23081440.D
trans-1,2-Dichloroethene	156-60-5	**7.76**		2.288	1.11	S23081440.D
Methyl-t-butyl ether	1634-04-4	**2.72**		2.285	2.45	S23081440.D
1,1-Dichloroethane	75-34-3	**2.36**		2.483	0.58	S23081440.D
cis-1,2-Dichloroethene	156-59-2	**25.3**		2.750	0.93	S23081440.D
Benzene	71-43-2	**29.0**		3.221	2.31	S23081440.D
Trichloroethene	79-01-6	**3.55**		3.623	1.49	S23081440.D
Toluene	108-88-3	**7.56**		4.572	3.06	S23081440.D
p & m-Xylene	179601-23-1	**3.28**		5.903	1.39	S23081440.D
o-Xylene	95-47-6	**1.90**		6.195	1.39	S23081440.D
Isopropylbenzene	98-82-8	**7.70**		6.469	1.48	S23081440.D
1,2,4-Trimethylbenzene	95-63-6	**1.74**		7.159	1.48	S23081440.D
Naphthalene	91-20-3	**3.97**		8.859	1.53	S23081440.D
2-Methylnaphthalene	91-57-6	**2.09**		9.590	1.61	S23081440.D
∉ **TPH C4-C9**		**2,090**		4.940	416	S23081440.D
∉ **TPH C10-C15**		**5,700**		8.339	355	S23081440.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-37 — **PSG-33** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Methyl-t-butyl ether	1634-04-4	**3.63**		2.282	2.45	S23081441.D
1,1-Dichloroethane	75-34-3	**2.15**		2.480	0.58	S23081441.D
Benzene	71-43-2	**8.25**		3.221	2.31	S23081441.D
Trichloroethene	79-01-6	**1.69**		3.623	1.49	S23081441.D
Toluene	108-88-3	**4.62**		4.569	3.07	S23081441.D
Tetrachloroethene	127-18-4	**7.55**		5.005	1.20	S23081441.D
p & m-Xylene	179601-23-1	**1.88**		5.903	1.39	S23081441.D
1,3,5-Trimethylbenzene	108-67-8	**1.77**		6.905	1.48	S23081441.D
1,2,4-Trimethylbenzene	95-63-6	**2.56**		7.160	1.48	S23081441.D
∉ **TPH C4-C9**		**481**		4.940	416	S23081441.D
∉ **TPH C10-C15**		**878**		8.339	355	S23081441.D

Lab Sample ID: 0007137-38 — **PSG-34** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Vinyl Chloride	75-01-4	**1.07**		1.560	0.61	S23081442.D
1,1-Dichloroethene	75-35-4	**14.5**		1.996	1.50	S23081442.D
1,1-Dichloroethane	75-34-3	**4.23**		2.483	0.58	S23081442.D
1,1,1-Trichloroethane	71-55-6	**7.48**		3.020	0.47	S23081442.D
Ethylbenzene	100-41-4	**2.90**		5.806	1.46	S23081442.D
p & m-Xylene	179601-23-1	**15.8**		5.903	1.41	S23081442.D
o-Xylene	95-47-6	**6.12**		6.195	1.41	S23081442.D
Naphthalene	91-20-3	**2.33**		8.856	1.55	S23081442.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-39

PSG-35
Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1,1-Trichloroethane	71-55-6	**13.9**		3.027	0.47	S23081443.D
Benzene	71-43-2	**16.7**		3.224	2.34	S23081443.D
Trichloroethene	79-01-6	**3.11**		3.620	1.50	S23081443.D
Toluene	108-88-3	**20.4**		4.572	3.10	S23081443.D
Tetrachloroethene	127-18-4	**14.7**		5.008	1.21	S23081443.D
Ethylbenzene	100-41-4	**2.71**		5.806	1.46	S23081443.D
p & m-Xylene	179601-23-1	**6.91**		5.907	1.41	S23081443.D
o-Xylene	95-47-6	**4.20**		6.196	1.41	S23081443.D
1,3,5-Trimethylbenzene	108-67-8	**1.79**		6.905	1.49	S23081443.D
1,2,4-Trimethylbenzene	95-63-6	**3.99**		7.160	1.49	S23081443.D
Naphthalene	91-20-3	**2.79**		8.856	1.55	S23081443.D
2-Methylnaphthalene	91-57-6	**2.52**		9.591	1.63	S23081443.D
∉ **TPH C4-C9**		**5,970**		4.940	420	S23081443.D
∉ **TPH C10-C15**		**3,950**		8.339	359	S23081443.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-40

PSG-35-Dup
Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1-Dichloroethene	75-35-4	**2.28**		1.990	1.50	S23081444.D
1,1,1-Trichloroethane	71-55-6	**9.37**		3.026	0.47	S23081444.D
Benzene	71-43-2	**14.9**		3.224	2.34	S23081444.D
Trichloroethene	79-01-6	**3.42**		3.623	1.50	S23081444.D
Toluene	108-88-3	**18.4**		4.572	3.10	S23081444.D
Tetrachloroethene	127-18-4	**7.68**		5.008	1.21	S23081444.D
Ethylbenzene	100-41-4	**2.09**		5.806	1.46	S23081444.D
p & m-Xylene	179601-23-1	**5.93**		5.906	1.41	S23081444.D
o-Xylene	95-47-6	**3.66**		6.195	1.41	S23081444.D
1,3,5-Trimethylbenzene	108-67-8	**2.04**		6.905	1.49	S23081444.D
1,2,4-Trimethylbenzene	95-63-6	**4.03**		7.163	1.49	S23081444.D
Naphthalene	91-20-3	**2.75**		8.855	1.55	S23081444.D
2-Methylnaphthalene	91-57-6	**2.32**		9.590	1.63	S23081444.D
∉ **TPH C4-C9**		**4,990**		4.940	420	S23081444.D
∉ **TPH C10-C15**		**3,170**		8.339	359	S23081444.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-41

PSG-36
Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Vinyl Chloride	75-01-4	**4.97**		1.563	0.61	S23081519.D
1,1-Dichloroethene	75-35-4	**20.3**		1.996	1.50	S23081519.D
trans-1,2-Dichloroethene	156-60-5	**3.42**		2.292	1.13	S23081519.D
cis-1,2-Dichloroethene	156-59-2	**27.0**		2.750	0.94	S23081519.D
Benzene	71-43-2	**38.0**		3.227	2.34	S23081519.D
Trichloroethene	79-01-6	**36.4**		3.623	1.50	S23081519.D
Toluene	108-88-3	**41.4**		4.581	3.10	S23081519.D
Tetrachloroethene	127-18-4	**13.8**		5.011	1.21	S23081519.D
Ethylbenzene	100-41-4	**8.21**		5.812	1.46	S23081519.D
p & m-Xylene	179601-23-1	**23.0**		5.913	1.41	S23081519.D
o-Xylene	95-47-6	**15.0**		6.199	1.41	S23081519.D
Isopropylbenzene	98-82-8	**7.90**		6.472	1.49	S23081519.D
1,3,5-Trimethylbenzene	108-67-8	**25.3**		6.908	1.49	S23081519.D
1,2,4-Trimethylbenzene	95-63-6	**30.9**		7.163	1.49	S23081519.D
1,2-Dichlorobenzene	95-50-1	**1.52**		7.653	0.66	S23081519.D
Naphthalene	91-20-3	**6.81**		8.856	1.55	S23081519.D
1,2,3-Trichlorobenzene	87-61-6	**2.18**		8.991	1.27	S23081519.D
2-Methylnaphthalene	91-57-6	**8.58**		9.590	1.63	S23081519.D
∉ **TPH C4-C9**		**13,000**		4.940	420	S23081519.D
∉ **TPH C10-C15**		**4,660**		8.339	359	S23081519.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-42 — **PSG-37** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1-Dichloroethene	75-35-4	**1.57**		1.993	1.50	S23081520.D
1,1-Dichloroethane	75-34-3	**0.86**		2.483	0.58	S23081520.D
1,1,1-Trichloroethane	71-55-6	**0.98**		3.020	0.47	S23081520.D
Benzene	71-43-2	**6.51**		3.221	2.33	S23081520.D
Toluene	108-88-3	**3.87**		4.568	3.09	S23081520.D
Ethylbenzene	100-41-4	**2.06**		5.803	1.45	S23081520.D
p & m-Xylene	179601-23-1	**8.60**		5.903	1.40	S23081520.D
o-Xylene	95-47-6	**3.96**		6.192	1.40	S23081520.D
∉ **TPH C4-C9**		**427**		4.940	419	S23081520.D
∉ **TPH C10-C15**		**613**		8.339	358	S23081520.D

Lab Sample ID: 0007137-43 — **PSG-38** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1,1-Trichloroethane	71-55-6	**0.81**		3.023	0.47	S23081521.D
Benzene	71-43-2	**10.6**		3.221	2.32	S23081521.D
Toluene	108-88-3	**6.40**		4.569	3.08	S23081521.D
p & m-Xylene	179601-23-1	**4.65**		5.906	1.40	S23081521.D
o-Xylene	95-47-6	**2.92**		6.195	1.40	S23081521.D
Isopropylbenzene	98-82-8	**1.64**		6.469	1.48	S23081521.D
1,3,5-Trimethylbenzene	108-67-8	**4.80**		6.905	1.48	S23081521.D
1,2,4-Trimethylbenzene	95-63-6	**6.09**		7.163	1.48	S23081521.D
Naphthalene	91-20-3	**2.04**		8.856	1.54	S23081521.D
2-Methylnaphthalene	91-57-6	**2.04**		9.591	1.62	S23081521.D
∉ **TPH C4-C9**		**1,900**		4.940	417	S23081521.D
∉ **TPH C10-C15**		**3,550**		8.339	357	S23081521.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-44 — **PSG-39** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	**7.85**		3.227	2.19	S23081522.D
Toluene	108-88-3	**7.81**		4.575	2.90	S23081522.D
Ethylbenzene	100-41-4	**1.73**		5.809	1.37	S23081522.D
p & m-Xylene	179601-23-1	**6.54**		5.906	1.32	S23081522.D
o-Xylene	95-47-6	**2.95**		6.195	1.32	S23081522.D
1,2,4-Trimethylbenzene	95-63-6	**1.80**		7.160	1.40	S23081522.D

Lab Sample ID: 0007137-45 — **PSG-40** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Trichloroethene	79-01-6	**1.62**		3.623	1.50	S23081523.D
p & m-Xylene	179601-23-1	**3.14**		5.903	1.41	S23081523.D

Lab Sample ID: 0007137-46 — **PSG-41** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1-Dichloroethene	75-35-4	**3.88**		1.990	1.50	S23081524.D
cis-1,2-Dichloroethene	156-59-2	**2.42**		2.747	0.94	S23081524.D
Trichloroethene	79-01-6	**915**		3.620	1.50	S23081524.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-47 — **PSG-42** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1,1-Trichloroethane	71-55-6	**1.57**		3.023	0.47	S23081525.D
Trichloroethene	79-01-6	**14.6**		3.623	1.50	S23081525.D
Tetrachloroethene	127-18-4	**32.0**		5.005	1.21	S23081525.D
Ethylbenzene	100-41-4	**3.31**		5.806	1.46	S23081525.D
p & m-Xylene	179601-23-1	**13.8**		5.903	1.41	S23081525.D
o-Xylene	95-47-6	**4.80**		6.195	1.41	S23081525.D

Lab Sample ID: 0007137-48 — **PSG-43** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
p & m-Xylene	179601-23-1	**3.81**		5.903	1.41	S23081526.D
o-Xylene	95-47-6	**2.68**		6.195	1.41	S23081526.D

Lab Sample ID: 0007137-49 — **PSG-43-Dup** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
p & m-Xylene	179601-23-1	**3.78**		5.903	1.41	S23081527.D
o-Xylene	95-47-6	**2.60**		6.192	1.41	S23081527.D

Lab Sample ID: 0007137-50 — **PSG-44** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	**3.57**		3.221	2.31	S23081528.D
∉ **TPH C10-C15**		**855**		8.339	355	S23081528.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-51 — **PSG-45** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	**41.8**		3.221	2.31	S23081529.D
Toluene	108-88-3	**53.8**		4.568	3.07	S23081529.D
Ethylbenzene	100-41-4	**12.4**		5.806	1.44	S23081529.D
p & m-Xylene	179601-23-1	**30.4**		5.903	1.39	S23081529.D
o-Xylene	95-47-6	**28.7**		6.195	1.39	S23081529.D
Isopropylbenzene	98-82-8	**11.5**		6.469	1.48	S23081529.D
1,3,5-Trimethylbenzene	108-67-8	**22.4**		6.905	1.48	S23081529.D
1,2,4-Trimethylbenzene	95-63-6	**32.8**		7.163	1.48	S23081529.D
Naphthalene	91-20-3	**7.99**		8.855	1.53	S23081529.D
2-Methylnaphthalene	91-57-6	**8.95**		9.587	1.61	S23081529.D
∉ **TPH C4-C9**		**1,400**		4.940	416	S23081529.D
∉ **TPH C10-C15**		**3,750**		8.339	356	S23081529.D

Lab Sample ID: 0007137-52 — **PSG-46** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
cis-1,2-Dichloroethene	156-59-2	**1.40**		2.876	0.93	S23081530.D
Benzene	71-43-2	**42.2**		3.224	2.32	S23081530.D
Toluene	108-88-3	**30.3**		4.568	3.07	S23081530.D
Ethylbenzene	100-41-4	**4.62**		5.806	1.44	S23081530.D
p & m-Xylene	179601-23-1	**8.81**		5.906	1.39	S23081530.D
o-Xylene	95-47-6	**8.63**		6.195	1.39	S23081530.D
Isopropylbenzene	98-82-8	**6.78**		6.469	1.48	S23081530.D
1,3,5-Trimethylbenzene	108-67-8	**11.6**		6.908	1.48	S23081530.D
1,2,4-Trimethylbenzene	95-63-6	**10.8**		7.163	1.48	S23081530.D
Naphthalene	91-20-3	**3.53**		8.855	1.53	S23081530.D
2-Methylnaphthalene	91-57-6	**3.97**		9.590	1.61	S23081530.D
∉ **TPH C4-C9**		**4,300**		4.940	416	S23081530.D
∉ **TPH C10-C15**		**5,280**		8.339	356	S23081530.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-53 — **PSG-47** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	**4.11**		3.224	2.34	S23081531.D
Toluene	108-88-3	**4.14**		4.572	3.10	S23081531.D
Tetrachloroethene	127-18-4	**1.91**		5.005	1.21	S23081531.D
Ethylbenzene	100-41-4	**10.6**		5.806	1.46	S23081531.D
p & m-Xylene	179601-23-1	**45.1**		5.906	1.41	S23081531.D
o-Xylene	95-47-6	**16.1**		6.195	1.41	S23081531.D
∉ **TPH C4-C9**		**1,320**		4.940	420	S23081531.D
∉ **TPH C10-C15**		**1,730**		8.339	359	S23081531.D

Lab Sample ID: 0007137-54 — **PSG-48** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1,1-Trichloroethane	71-55-6	**0.62**		3.026	0.47	S23081532.D
Tetrachloroethene	127-18-4	**1.52**		5.008	1.21	S23081532.D
Ethylbenzene	100-41-4	**59.9**		5.806	1.46	S23081532.D
p & m-Xylene	179601-23-1	**225**		5.910	1.41	S23081532.D
o-Xylene	95-47-6	**123**		6.195	1.41	S23081532.D
Isopropylbenzene	98-82-8	**3.74**		6.469	1.49	S23081532.D
1,3,5-Trimethylbenzene	108-67-8	**6.71**		6.905	1.49	S23081532.D
1,2,4-Trimethylbenzene	95-63-6	**16.0**		7.160	1.49	S23081532.D
∉ **TPH C4-C9**		**1,690**		4.940	420	S23081532.D
∉ **TPH C10-C15**		**1,010**		8.339	359	S23081532.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-55 | **PSG-49** Soil Gas | Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1-Dichloroethane	75-34-3	**0.98**		2.483	0.58	S23081533.D
cis-1,2-Dichloroethene	156-59-2	**1.55**		2.747	0.93	S23081533.D
Benzene	71-43-2	**6.67**		3.224	2.32	S23081533.D
Trichloroethene	79-01-6	**1.49**		3.620	1.49	S23081533.D
1,4-Dioxane	123-91-1	**2.77**		3.840	1.20	S23081533.D
Toluene	108-88-3	**4.88**		4.569	3.08	S23081533.D
Tetrachloroethene	127-18-4	**1.30**		5.008	1.20	S23081533.D
p & m-Xylene	179601-23-1	**2.85**		5.907	1.40	S23081533.D
Naphthalene	91-20-3	**2.24**		8.831	1.54	S23081533.D
∉ **TPH C4-C9**		**6,840**		4.940	417	S23081533.D
∉ **TPH C10-C15**		**20,300**		8.339	357	S23081533.D

Lab Sample ID: 0007137-56 | **PSG-50** Soil Gas | Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Vinyl Chloride	75-01-4	**2.58**		1.569	0.61	S23081534.D
1,1-Dichloroethene	75-35-4	**161**		2.002	1.50	S23081534.D
1,1-Dichloroethane	75-34-3	**8.95**		2.489	0.58	S23081534.D
Chloroform	67-66-3	**6.35**		2.926	1.42	S23081534.D
1,1,1-Trichloroethane	71-55-6	**128**	D	3.502	8.97	C23081605.D
Benzene	71-43-2	**2.78**		3.230	2.34	S23081534.D
p & m-Xylene	179601-23-1	**2.00**		5.906	1.41	S23081534.D
∉ **TPH C10-C15**		**620**		8.339	359	S23081534.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-57 | **PSG-51** | Method: EPA 8260C

Soil Gas

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Vinyl Chloride	75-01-4	**1.26**		1.560	0.61	S23081535.D
1,1-Dichloroethene	75-35-4	**184**		1.993	1.49	S23081535.D
1,1-Dichloroethane	75-34-3	**1.31**		2.480	0.58	S23081535.D
1,1,1-Trichloroethane	71-55-6	**131**	D	3.499	8.91	C23081606.D
Benzene	71-43-2	**3.11**		3.221	2.32	S23081535.D
Toluene	108-88-3	**3.99**		4.572	3.08	S23081535.D
Tetrachloroethene	127-18-4	**1.29**		5.005	1.20	S23081535.D
Ethylbenzene	100-41-4	**2.52**		5.806	1.45	S23081535.D
p & m-Xylene	179601-23-1	**11.8**		5.903	1.40	S23081535.D
o-Xylene	95-47-6	**5.13**		6.192	1.40	S23081535.D
1,2,4-Trimethylbenzene	95-63-6	**2.38**		7.160	1.48	S23081535.D
∉ **TPH C10-C15**		**702**		8.339	357	S23081535.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-58 | **PSG-52** Soil Gas | Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Vinyl Chloride	75-01-4	**1.97**		1.560	0.61	S23081536.D
1,1-Dichloroethene	75-35-4	**3.92**		1.993	1.49	S23081536.D
1,1-Dichloroethane	75-34-3	**19.3**		2.483	0.58	S23081536.D
Benzene	71-43-2	**22.9**		3.221	2.32	S23081536.D
Trichloroethene	79-01-6	**1.52**		3.620	1.49	S23081536.D
Toluene	108-88-3	**10.4**		4.569	3.08	S23081536.D
Ethylbenzene	100-41-4	**3.32**		5.806	1.45	S23081536.D
p & m-Xylene	179601-23-1	**14.7**		5.903	1.40	S23081536.D
o-Xylene	95-47-6	**7.28**		6.195	1.40	S23081536.D
1,3,5-Trimethylbenzene	108-67-8	**2.43**		6.905	1.48	S23081536.D
1,2,4-Trimethylbenzene	95-63-6	**4.78**		7.160	1.48	S23081536.D
Naphthalene	91-20-3	**2.30**		8.856	1.54	S23081536.D
2-Methylnaphthalene	91-57-6	**3.23**		9.587	1.62	S23081536.D
∉ **TPH C4-C9**		**777**		4.940	417	S23081536.D
∉ **TPH C10-C15**		**1,130**		8.339	357	S23081536.D

Lab Sample ID: 0007137-59 | **PSG-53** Soil Gas | Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1-Dichloroethane	75-34-3	**2.63**		2.480	0.55	S23081537.D
1,1,1-Trichloroethane	71-55-6	**1.72**		3.023	0.44	S23081537.D
Benzene	71-43-2	**26.0**		3.221	2.20	S23081537.D
Toluene	108-88-3	**6.63**		4.569	2.91	S23081537.D
p & m-Xylene	179601-23-1	**1.69**		5.903	1.32	S23081537.D
∉ **TPH C10-C15**		**651**		8.339	337	S23081537.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-60 — **PSG-54** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Vinyl Chloride	75-01-4	**3.21**		1.557	0.58	S23081538.D
1,1-Dichloroethene	75-35-4	**22.4**		1.993	1.41	S23081538.D
1,1-Dichloroethane	75-34-3	**40.4**		2.480	0.55	S23081538.D
1,1,1-Trichloroethane	71-55-6	**21.1**		3.023	0.44	S23081538.D
Benzene	71-43-2	**9.48**		3.221	2.20	S23081538.D
1,4-Dioxane	123-91-1	**4.14**		3.837	1.14	S23081538.D
p & m-Xylene	179601-23-1	**4.51**		5.903	1.32	S23081538.D
o-Xylene	95-47-6	**2.35**		6.192	1.32	S23081538.D
∉ **TPH C10-C15**		**462**		8.339	338	S23081538.D

Lab Sample ID: 0007137-61 — **PSG-55** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Vinyl Chloride	75-01-4	**3.58**		1.563	0.58	S23081539.D
1,1-Dichloroethene	75-35-4	**1.56**		1.993	1.41	S23081539.D
trans-1,2-Dichloroethene	156-60-5	**5.97**		2.291	1.06	S23081539.D
1,1-Dichloroethane	75-34-3	**6.45**		2.483	0.55	S23081539.D
cis-1,2-Dichloroethene	156-59-2	**35.6**		2.750	0.88	S23081539.D
Benzene	71-43-2	**6.46**		3.221	2.20	S23081539.D
Isopropylbenzene	98-82-8	**1.70**		6.469	1.40	S23081539.D
∉ **TPH C4-C9**		**1,260**		4.940	395	S23081539.D
∉ **TPH C10-C15**		**431**		8.339	338	S23081539.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-62 — **PSG-56** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	**4.78**		3.221	2.20	S23081540.D
Toluene	108-88-3	**3.32**		4.568	2.91	S23081540.D
p & m-Xylene	179601-23-1	**3.03**		5.903	1.32	S23081540.D
o-Xylene	95-47-6	**1.44**		6.192	1.32	S23081540.D
∉ **TPH C10-C15**		**582**		8.339	338	S23081540.D

Lab Sample ID: 0007137-63 — **PSG-57** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Vinyl Chloride	75-01-4	**0.65**		1.560	0.61	S23081541.D
1,1-Dichloroethene	75-35-4	**3.81**		1.996	1.49	S23081541.D
1,1-Dichloroethane	75-34-3	**17.2**		2.483	0.58	S23081541.D
1,1,1-Trichloroethane	71-55-6	**10.6**		3.030	0.47	S23081541.D
Benzene	71-43-2	**22.4**		3.221	2.31	S23081541.D
Toluene	108-88-3	**13.5**		4.572	3.07	S23081541.D
p & m-Xylene	179601-23-1	**3.56**		5.903	1.39	S23081541.D
o-Xylene	95-47-6	**3.22**		6.195	1.39	S23081541.D
1,3,5-Trimethylbenzene	108-67-8	**8.46**		6.905	1.48	S23081541.D
1,2,4-Trimethylbenzene	95-63-6	**7.49**		7.160	1.48	S23081541.D
∉ **TPH C4-C9**		**3,630**		4.940	416	S23081541.D
∉ **TPH C10-C15**		**902**		8.339	356	S23081541.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-64 — **PSG-58** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1-Dichloroethene	75-35-4	**1.77**		1.996	1.49	S23081542.D
1,1-Dichloroethane	75-34-3	**1.09**		2.483	0.58	S23081542.D
1,1,1-Trichloroethane	71-55-6	**3.42**		3.023	0.47	S23081542.D
Benzene	71-43-2	**17.4**		3.221	2.31	S23081542.D
Toluene	108-88-3	**8.54**		4.568	3.07	S23081542.D
p & m-Xylene	179601-23-1	**3.53**		5.903	1.39	S23081542.D
o-Xylene	95-47-6	**2.17**		6.195	1.39	S23081542.D
Isopropylbenzene	98-82-8	**2.03**		6.468	1.48	S23081542.D
1,3,5-Trimethylbenzene	108-67-8	**6.97**		6.905	1.48	S23081542.D
1,2,4-Trimethylbenzene	95-63-6	**5.27**		7.159	1.48	S23081542.D
∉ **TPH C10-C15**		**643**		8.339	355	S23081542.D

Lab Sample ID: 0007137-65 — **PSG-59** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Vinyl Chloride	75-01-4	**1.41**		1.560	0.61	S23081543.D
1,1-Dichloroethene	75-35-4	**2.29**		1.993	1.49	S23081543.D
1,1-Dichloroethane	75-34-3	**72.9**	D	2.761	11.0	C23081607.D
1,1,1-Trichloroethane	71-55-6	**5.35**		3.020	0.47	S23081543.D
Benzene	71-43-2	**5.63**		3.221	2.31	S23081543.D
1,4-Dioxane	123-91-1	**110**	D	4.580	22.7	C23081607.D
Toluene	108-88-3	**4.23**		4.568	3.07	S23081543.D
Tetrachloroethene	127-18-4	**8.53**		5.005	1.20	S23081543.D
Ethylbenzene	100-41-4	**4.20**		5.806	1.44	S23081543.D
p & m-Xylene	179601-23-1	**19.3**		5.903	1.39	S23081543.D
o-Xylene	95-47-6	**9.54**		6.195	1.39	S23081543.D
∉ **TPH C10-C15**		**1,090**		8.339	356	S23081543.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-66 — **PSG-60** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Benzene	71-43-2	**7.11**		3.221	2.33	S23081544.D
Tetrachloroethene	127-18-4	**40.1**		5.005	1.20	S23081544.D

Lab Sample ID: 0007137-67 — **PSG-61** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1-Dichloroethene	75-35-4	**3.18**		1.996	1.49	S23081545.D
1,1-Dichloroethane	75-34-3	**19.1**		2.486	0.58	S23081545.D
1,1,1-Trichloroethane	71-55-6	**3.19**		3.029	0.47	S23081545.D
Benzene	71-43-2	**100**		3.224	2.31	S23081545.D
Trichloroethene	79-01-6	**1.71**		3.620	1.49	S23081545.D
1,4-Dioxane	123-91-1	**10.3**		3.840	1.20	S23081545.D
Toluene	108-88-3	**57.4**		4.574	3.07	S23081545.D
Ethylbenzene	100-41-4	**9.10**		5.809	1.44	S23081545.D
p & m-Xylene	179601-23-1	**28.6**		5.906	1.39	S23081545.D
o-Xylene	95-47-6	**42.2**		6.195	1.39	S23081545.D
Isopropylbenzene	98-82-8	**15.7**		6.471	1.48	S23081545.D
1,3,5-Trimethylbenzene	108-67-8	**32.2**		6.905	1.48	S23081545.D
1,2,4-Trimethylbenzene	95-63-6	**39.2**		7.159	1.48	S23081545.D
Naphthalene	91-20-3	**6.43**		8.855	1.53	S23081545.D
2-Methylnaphthalene	91-57-6	**4.32**		9.590	1.61	S23081545.D
∉ **TPH C4-C9**		**4,390**		4.940	416	S23081545.D
∉ **TPH C10-C15**		**3,460**		8.339	356	S23081545.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-68

PSG-61-Dup
Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Vinyl Chloride	75-01-4	**0.97**		1.557	0.61	S23081546.D
1,1-Dichloroethene	75-35-4	**3.58**		1.990	1.49	S23081546.D
1,1-Dichloroethane	75-34-3	**17.8**		2.480	0.58	S23081546.D
1,1,1-Trichloroethane	71-55-6	**2.95**		3.026	0.47	S23081546.D
Benzene	71-43-2	**78.7**		3.224	2.31	S23081546.D
1,4-Dioxane	123-91-1	**9.44**		3.840	1.20	S23081546.D
Toluene	108-88-3	**43.3**		4.572	3.07	S23081546.D
Ethylbenzene	100-41-4	**7.98**		5.806	1.44	S23081546.D
p & m-Xylene	179601-23-1	**29.0**		5.903	1.39	S23081546.D
o-Xylene	95-47-6	**41.6**		6.195	1.39	S23081546.D
Isopropylbenzene	98-82-8	**15.8**		6.469	1.48	S23081546.D
1,3,5-Trimethylbenzene	108-67-8	**31.3**		6.905	1.48	S23081546.D
1,2,4-Trimethylbenzene	95-63-6	**41.4**		7.160	1.48	S23081546.D
Naphthalene	91-20-3	**6.27**		8.856	1.53	S23081546.D
2-Methylnaphthalene	91-57-6	**3.94**		9.590	1.61	S23081546.D
∉ **TPH C4-C9**		**3,800**		4.940	416	S23081546.D
∉ **TPH C10-C15**		**3,230**		8.339	356	S23081546.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-69 — **PSG-62** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1-Dichloroethene	75-35-4	**25.1**		1.993	1.49	S23081547.D
trans-1,2-Dichloroethene	156-60-5	**16.6**		2.288	1.12	S23081547.D
cis-1,2-Dichloroethene	156-59-2	**63.7**		2.747	0.93	S23081547.D
Benzene	71-43-2	**9.55**		3.224	2.31	S23081547.D
Trichloroethene	79-01-6	**3,920**	D	4.297	28.2	C23081608.D
Toluene	108-88-3	**9.81**		4.572	3.07	S23081547.D
Tetrachloroethene	127-18-4	**43.0**		5.005	1.20	S23081547.D
p & m-Xylene	179601-23-1	**2.49**		5.907	1.39	S23081547.D
o-Xylene	95-47-6	**2.11**		6.195	1.39	S23081547.D
1,3,5-Trimethylbenzene	108-67-8	**2.73**		6.912	1.48	S23081547.D
1,2,4-Trimethylbenzene	95-63-6	**2.64**		7.166	1.48	S23081547.D
Naphthalene	91-20-3	**1.92**		8.859	1.53	S23081547.D
∉ **TPH C4-C9**		**7,030**		4.940	416	S23081547.D
∉ **TPH C10-C15**		**25,100**		8.339	356	S23081547.D

Lab Sample ID: 0007137-70 — **PSG-63** — Soil Gas — Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
1,1-Dichloroethene	75-35-4	**2.73**		1.993	1.49	S23081548.D
Chloroform	67-66-3	**2.56**		2.917	1.41	S23081548.D
1,1,1-Trichloroethane	71-55-6	**1.15**		3.020	0.47	S23081548.D
Benzene	71-43-2	**3.59**		3.221	2.32	S23081548.D
Trichloroethene	79-01-6	**5.39**		3.623	1.49	S23081548.D
1,4-Dioxane	123-91-1	**2.64**		3.843	1.20	S23081548.D
Tetrachloroethene	127-18-4	**7.03**		5.005	1.20	S23081548.D
p & m-Xylene	179601-23-1	**3.02**		5.907	1.40	S23081548.D
o-Xylene	95-47-6	**1.67**		6.195	1.40	S23081548.D
∉ **TPH C10-C15**		**1,080**		8.339	357	S23081548.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Summary of Compound Detections- Concentration

Lab Sample ID: 0007137-71 | **PSG-64** Soil Gas | Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	RT	LOQ (µg/m³)	File ID
Tetrachloroethene	127-18-4	**1.28**		5.008	1.20	S23081549.D
≠ **TPH C10-C15**		**758**		8.339	357	S23081549.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Data Summary Table- Mass

Compound	Frequency	LOQ (ng)	Max Value (ng)
Vinyl Chloride	11	10	81
1,1-Dichloroethene	23	10	2,920
trans-1,2-Dichloroethene	5	10	149
Methyl-t-butyl ether	3	25	48
1,1-Dichloroethane	19	10	5,760
cis-1,2-Dichloroethene	9	10	688
Chloroform	3	10	45
1,1,1-Trichloroethane	22	10	2,790
Benzene	50	25	1,080
Trichloroethene	14	10	26,300
1,4-Dioxane	7	10	917
Toluene	36	25	468
Tetrachloroethene	24	10	9,720
Chlorobenzene	1	10	16
Ethylbenzene	22	25	1,030
p & m-Xylene	45	25	3,990
o-Xylene	36	25	2,180
Isopropylbenzene	13	25	591
1,3,5-Trimethylbenzene	21	25	749
1,2,4-Trimethylbenzene	29	25	1,210
1,2-Dichlorobenzene	1	10	23
1,2,4-Trichlorobenzene	1	10	261
Naphthalene	20	25	3,040
1,2,3-Trichlorobenzene	2	10	104
2-Methylnaphthalene	21	25	16,600
TPH C4-C9	28	5,000	243,000
TPH C10-C15	54	5,000	427,000

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Data Summary Table- Concentration

Compound	Frequency	LOQ (µg/m³)	Max Value (µg/m³)
Vinyl Chloride	11	0.580	4.97
1,1-Dichloroethene	23	1.41	438
trans-1,2-Dichloroethene	5	1.06	16.6
Methyl-t-butyl ether	3	2.45	4.74
1,1-Dichloroethane	19	0.550	336
cis-1,2-Dichloroethene	9	0.880	63.7
Chloroform	3	1.41	6.35
1,1,1-Trichloroethane	22	0.440	131
Benzene	50	2.16	100
Trichloroethene	14	1.49	3,920
1,4-Dioxane	7	1.14	110
Toluene	36	2.86	57.4
Tetrachloroethene	24	1.13	1,170
Chlorobenzene	1	0.550	0.860
Ethylbenzene	22	1.36	59.9
p & m-Xylene	45	1.32	225
o-Xylene	36	1.32	123
Isopropylbenzene	13	1.40	35.1
1,3,5-Trimethylbenzene	21	1.40	44.4
1,2,4-Trimethylbenzene	29	1.38	71.5
1,2-Dichlorobenzene	1	0.660	1.52
1,2,4-Trichlorobenzene	1	1.17	30.6
Naphthalene	20	1.43	188
1,2,3-Trichlorobenzene	2	1.17	12.2
2-Methylnaphthalene	21	1.50	1,080
TPH C4-C9	28	395	20,400
TPH C10-C15	54	331	30,300

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Detailed Analytical Results

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Detailed Analytical Results- Mass

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-01

Trip 1

Air

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/14/2023 16:34	S23081405.D
1,1-Dichloroethene	75-35-4	<10		10	08/14/2023 16:34	S23081405.D
Methylene Chloride	75-09-2	<10		10	08/14/2023 16:34	S23081405.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/14/2023 16:34	S23081405.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/14/2023 16:34	S23081405.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/14/2023 16:34	S23081405.D
1,1-Dichloroethane	75-34-3	<10		10	08/14/2023 16:34	S23081405.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/14/2023 16:34	S23081405.D
Chloroform	67-66-3	<10		10	08/14/2023 16:34	S23081405.D
1,2-Dichloroethane	107-06-2	<10		10	08/14/2023 16:34	S23081405.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/14/2023 16:34	S23081405.D
Carbon Tetrachloride	56-23-5	<10		10	08/14/2023 16:34	S23081405.D
Benzene	71-43-2	<25		25	08/14/2023 16:34	S23081405.D
Trichloroethene	79-01-6	<10		10	08/14/2023 16:34	S23081405.D
1,4-Dioxane	123-91-1	<10		10	08/14/2023 16:34	S23081405.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/14/2023 16:34	S23081405.D
Toluene	108-88-3	<25		25	08/14/2023 16:34	S23081405.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/14/2023 16:34	S23081405.D
Tetrachloroethene	127-18-4	<10		10	08/14/2023 16:34	S23081405.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/14/2023 16:34	S23081405.D
Chlorobenzene	108-90-7	<10		10	08/14/2023 16:34	S23081405.D
Ethylbenzene	100-41-4	<25		25	08/14/2023 16:34	S23081405.D
p & m-Xylene	179601-23-1	<25		25	08/14/2023 16:34	S23081405.D
o-Xylene	95-47-6	<25		25	08/14/2023 16:34	S23081405.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/14/2023 16:34	S23081405.D
Isopropylbenzene	98-82-8	<25		25	08/14/2023 16:34	S23081405.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/14/2023 16:34	S23081405.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/14/2023 16:34	S23081405.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/14/2023 16:34	S23081405.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/14/2023 16:34	S23081405.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/14/2023 16:34	S23081405.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/14/2023 16:34	S23081405.D
Naphthalene	91-20-3	<25		25	08/14/2023 16:34	S23081405.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/14/2023 16:34	S23081405.D
2-Methylnaphthalene	91-57-6	<25		25	08/14/2023 16:34	S23081405.D
∉ TPH C4-C9		<5,000		5,000	08/14/2023 16:34	S23081405.D
∉ TPH C10-C15		<5,000		5,000	08/14/2023 16:34	S23081405.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*112%*	*70-130*		*08/14/2023 16:34*	*S23081405.D*
Surrogate: Toluene-d8	2037-26-5	*97.3%*	*70-130*		*08/14/2023 16:34*	*S23081405.D*
Surrogate: Bromofluorobenzene	460-00-4	*85.1%*	*70-130*		*08/14/2023 16:34*	*S23081405.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-02

PSG-01

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/14/2023 17:03	S23081406.D
1,1-Dichloroethene	75-35-4	<10		10	08/14/2023 17:03	S23081406.D
Methylene Chloride	75-09-2	<10		10	08/14/2023 17:03	S23081406.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/14/2023 17:03	S23081406.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/14/2023 17:03	S23081406.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/14/2023 17:03	S23081406.D
1,1-Dichloroethane	75-34-3	<10		10	08/14/2023 17:03	S23081406.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/14/2023 17:03	S23081406.D
Chloroform	67-66-3	<10		10	08/14/2023 17:03	S23081406.D
1,2-Dichloroethane	107-06-2	<10		10	08/14/2023 17:03	S23081406.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/14/2023 17:03	S23081406.D
Carbon Tetrachloride	56-23-5	<10		10	08/14/2023 17:03	S23081406.D
Benzene	71-43-2	<25		25	08/14/2023 17:03	S23081406.D
Trichloroethene	79-01-6	<10		10	08/14/2023 17:03	S23081406.D
1,4-Dioxane	123-91-1	<10		10	08/14/2023 17:03	S23081406.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/14/2023 17:03	S23081406.D
Toluene	108-88-3	<25		25	08/14/2023 17:03	S23081406.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/14/2023 17:03	S23081406.D
Tetrachloroethene	127-18-4	<10		10	08/14/2023 17:03	S23081406.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/14/2023 17:03	S23081406.D
Chlorobenzene	108-90-7	<10		10	08/14/2023 17:03	S23081406.D
Ethylbenzene	100-41-4	<25		25	08/14/2023 17:03	S23081406.D
p & m-Xylene	179601-23-1	<25		25	08/14/2023 17:03	S23081406.D
o-Xylene	95-47-6	<25		25	08/14/2023 17:03	S23081406.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/14/2023 17:03	S23081406.D
Isopropylbenzene	98-82-8	<25		25	08/14/2023 17:03	S23081406.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/14/2023 17:03	S23081406.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/14/2023 17:03	S23081406.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/14/2023 17:03	S23081406.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/14/2023 17:03	S23081406.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/14/2023 17:03	S23081406.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/14/2023 17:03	S23081406.D
Naphthalene	91-20-3	<25		25	08/14/2023 17:03	S23081406.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/14/2023 17:03	S23081406.D
2-Methylnaphthalene	91-57-6	<25		25	08/14/2023 17:03	S23081406.D
∉ TPH C4-C9		<5,000		5,000	08/14/2023 17:03	S23081406.D
∉ TPH C10-C15		<5,000		5,000	08/14/2023 17:03	S23081406.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*104%*	*70-130*		*08/14/2023 17:03*	*S23081406.D*
Surrogate: Toluene-d8	2037-26-5	*93.0%*	*70-130*		*08/14/2023 17:03*	*S23081406.D*
Surrogate: Bromofluorobenzene	460-00-4	*89.6%*	*70-130*		*08/14/2023 17:03*	*S23081406.D*

BEACON ENVIRONMENTAL

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Forest Hill, MD 21050 USA
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-03

PSG-02

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/14/2023 17:32	S23081407.D
1,1-Dichloroethene	75-35-4	<10		10	08/14/2023 17:32	S23081407.D
Methylene Chloride	75-09-2	<10		10	08/14/2023 17:32	S23081407.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/14/2023 17:32	S23081407.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/14/2023 17:32	S23081407.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/14/2023 17:32	S23081407.D
1,1-Dichloroethane	75-34-3	<10		10	08/14/2023 17:32	S23081407.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/14/2023 17:32	S23081407.D
Chloroform	67-66-3	<10		10	08/14/2023 17:32	S23081407.D
1,2-Dichloroethane	107-06-2	<10		10	08/14/2023 17:32	S23081407.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/14/2023 17:32	S23081407.D
Carbon Tetrachloride	56-23-5	<10		10	08/14/2023 17:32	S23081407.D
Benzene	71-43-2	**65**		25	08/14/2023 17:32	S23081407.D
Trichloroethene	79-01-6	<10		10	08/14/2023 17:32	S23081407.D
1,4-Dioxane	123-91-1	<10		10	08/14/2023 17:32	S23081407.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/14/2023 17:32	S23081407.D
Toluene	108-88-3	**34**		25	08/14/2023 17:32	S23081407.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/14/2023 17:32	S23081407.D
Tetrachloroethene	127-18-4	<10		10	08/14/2023 17:32	S23081407.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/14/2023 17:32	S23081407.D
Chlorobenzene	108-90-7	<10		10	08/14/2023 17:32	S23081407.D
Ethylbenzene	100-41-4	<25		25	08/14/2023 17:32	S23081407.D
p & m-Xylene	179601-23-1	**45**		25	08/14/2023 17:32	S23081407.D
o-Xylene	95-47-6	<25		25	08/14/2023 17:32	S23081407.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/14/2023 17:32	S23081407.D
Isopropylbenzene	98-82-8	<25		25	08/14/2023 17:32	S23081407.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/14/2023 17:32	S23081407.D
1,2,4-Trimethylbenzene	95-63-6	**29**		25	08/14/2023 17:32	S23081407.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/14/2023 17:32	S23081407.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/14/2023 17:32	S23081407.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/14/2023 17:32	S23081407.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/14/2023 17:32	S23081407.D
Naphthalene	91-20-3	<25		25	08/14/2023 17:32	S23081407.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/14/2023 17:32	S23081407.D
2-Methylnaphthalene	91-57-6	<25		25	08/14/2023 17:32	S23081407.D
∉ TPH C4-C9		<5,000		5,000	08/14/2023 17:32	S23081407.D
∉ **TPH C10-C15**		**13,200**		5,000	08/14/2023 17:32	S23081407.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*100%*	*70-130*		*08/14/2023 17:32*	*S23081407.D*
Surrogate: Toluene-d8	2037-26-5	*98.4%*	*70-130*		*08/14/2023 17:32*	*S23081407.D*
Surrogate: Bromofluorobenzene	460-00-4	*98.6%*	*70-130*		*08/14/2023 17:32*	*S23081407.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-04

PSG-03

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/14/2023 18:01	S23081408.D
1,1-Dichloroethene	75-35-4	<10		10	08/14/2023 18:01	S23081408.D
Methylene Chloride	75-09-2	<10		10	08/14/2023 18:01	S23081408.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/14/2023 18:01	S23081408.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/14/2023 18:01	S23081408.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/14/2023 18:01	S23081408.D
1,1-Dichloroethane	75-34-3	<10		10	08/14/2023 18:01	S23081408.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/14/2023 18:01	S23081408.D
Chloroform	67-66-3	<10		10	08/14/2023 18:01	S23081408.D
1,2-Dichloroethane	107-06-2	<10		10	08/14/2023 18:01	S23081408.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/14/2023 18:01	S23081408.D
Carbon Tetrachloride	56-23-5	<10		10	08/14/2023 18:01	S23081408.D
Benzene	71-43-2	**41**		25	08/14/2023 18:01	S23081408.D
Trichloroethene	79-01-6	<10		10	08/14/2023 18:01	S23081408.D
1,4-Dioxane	123-91-1	<10		10	08/14/2023 18:01	S23081408.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/14/2023 18:01	S23081408.D
Toluene	108-88-3	**26**		25	08/14/2023 18:01	S23081408.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/14/2023 18:01	S23081408.D
Tetrachloroethene	127-18-4	<10		10	08/14/2023 18:01	S23081408.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/14/2023 18:01	S23081408.D
Chlorobenzene	108-90-7	<10		10	08/14/2023 18:01	S23081408.D
Ethylbenzene	100-41-4	<25		25	08/14/2023 18:01	S23081408.D
p & m-Xylene	179601-23-1	<25		25	08/14/2023 18:01	S23081408.D
o-Xylene	95-47-6	<25		25	08/14/2023 18:01	S23081408.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/14/2023 18:01	S23081408.D
Isopropylbenzene	98-82-8	<25		25	08/14/2023 18:01	S23081408.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/14/2023 18:01	S23081408.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/14/2023 18:01	S23081408.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/14/2023 18:01	S23081408.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/14/2023 18:01	S23081408.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/14/2023 18:01	S23081408.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/14/2023 18:01	S23081408.D
Naphthalene	91-20-3	<25		25	08/14/2023 18:01	S23081408.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/14/2023 18:01	S23081408.D
2-Methylnaphthalene	91-57-6	<25		25	08/14/2023 18:01	S23081408.D
∉ TPH C4-C9		<5,000		5,000	08/14/2023 18:01	S23081408.D
∉ **TPH C10-C15**		**13,500**		5,000	08/14/2023 18:01	S23081408.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*98.7%*	*70-130*		*08/14/2023 18:01*	*S23081408.D*
Surrogate: Toluene-d8	2037-26-5	*99.9%*	*70-130*		*08/14/2023 18:01*	*S23081408.D*
Surrogate: Bromofluorobenzene	460-00-4	*98.2%*	*70-130*		*08/14/2023 18:01*	*S23081408.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-05

PSG-04

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/14/2023 18:30	S23081409.D
1,1-Dichloroethene	75-35-4	<10		10	08/14/2023 18:30	S23081409.D
Methylene Chloride	75-09-2	<10		10	08/14/2023 18:30	S23081409.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/14/2023 18:30	S23081409.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/14/2023 18:30	S23081409.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/14/2023 18:30	S23081409.D
1,1-Dichloroethane	75-34-3	<10		10	08/14/2023 18:30	S23081409.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/14/2023 18:30	S23081409.D
Chloroform	67-66-3	<10		10	08/14/2023 18:30	S23081409.D
1,2-Dichloroethane	107-06-2	<10		10	08/14/2023 18:30	S23081409.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/14/2023 18:30	S23081409.D
Carbon Tetrachloride	56-23-5	<10		10	08/14/2023 18:30	S23081409.D
Benzene	71-43-2	**48**		25	08/14/2023 18:30	S23081409.D
Trichloroethene	79-01-6	<10		10	08/14/2023 18:30	S23081409.D
1,4-Dioxane	123-91-1	<10		10	08/14/2023 18:30	S23081409.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/14/2023 18:30	S23081409.D
Toluene	108-88-3	<25		25	08/14/2023 18:30	S23081409.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/14/2023 18:30	S23081409.D
Tetrachloroethene	127-18-4	<10		10	08/14/2023 18:30	S23081409.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/14/2023 18:30	S23081409.D
Chlorobenzene	108-90-7	<10		10	08/14/2023 18:30	S23081409.D
Ethylbenzene	100-41-4	<25		25	08/14/2023 18:30	S23081409.D
p & m-Xylene	179601-23-1	<25		25	08/14/2023 18:30	S23081409.D
o-Xylene	95-47-6	<25		25	08/14/2023 18:30	S23081409.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/14/2023 18:30	S23081409.D
Isopropylbenzene	98-82-8	<25		25	08/14/2023 18:30	S23081409.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/14/2023 18:30	S23081409.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/14/2023 18:30	S23081409.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/14/2023 18:30	S23081409.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/14/2023 18:30	S23081409.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/14/2023 18:30	S23081409.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/14/2023 18:30	S23081409.D
Naphthalene	91-20-3	<25		25	08/14/2023 18:30	S23081409.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/14/2023 18:30	S23081409.D
2-Methylnaphthalene	91-57-6	<25		25	08/14/2023 18:30	S23081409.D
∉ TPH C4-C9		<5,000		5,000	08/14/2023 18:30	S23081409.D
∉ **TPH C10-C15**		**5,630**		5,000	08/14/2023 18:30	S23081409.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*101%*	*70-130*		*08/14/2023 18:30*	*S23081409.D*
Surrogate: Toluene-d8	2037-26-5	*96.5%*	*70-130*		*08/14/2023 18:30*	*S23081409.D*
Surrogate: Bromofluorobenzene	460-00-4	*97.0%*	*70-130*		*08/14/2023 18:30*	*S23081409.D*

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-06

PSG-05

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/14/2023 19:00	S23081410.D
1,1-Dichloroethene	75-35-4	<10		10	08/14/2023 19:00	S23081410.D
Methylene Chloride	75-09-2	<10		10	08/14/2023 19:00	S23081410.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/14/2023 19:00	S23081410.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/14/2023 19:00	S23081410.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/14/2023 19:00	S23081410.D
1,1-Dichloroethane	75-34-3	<10		10	08/14/2023 19:00	S23081410.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/14/2023 19:00	S23081410.D
Chloroform	67-66-3	<10		10	08/14/2023 19:00	S23081410.D
1,2-Dichloroethane	107-06-2	<10		10	08/14/2023 19:00	S23081410.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/14/2023 19:00	S23081410.D
Carbon Tetrachloride	56-23-5	<10		10	08/14/2023 19:00	S23081410.D
Benzene	71-43-2	**86**		25	08/14/2023 19:00	S23081410.D
Trichloroethene	79-01-6	<10		10	08/14/2023 19:00	S23081410.D
1,4-Dioxane	123-91-1	<10		10	08/14/2023 19:00	S23081410.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/14/2023 19:00	S23081410.D
Toluene	108-88-3	**55**		25	08/14/2023 19:00	S23081410.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/14/2023 19:00	S23081410.D
Tetrachloroethene	127-18-4	<10		10	08/14/2023 19:00	S23081410.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/14/2023 19:00	S23081410.D
Chlorobenzene	108-90-7	<10		10	08/14/2023 19:00	S23081410.D
Ethylbenzene	100-41-4	<25		25	08/14/2023 19:00	S23081410.D
p & m-Xylene	179601-23-1	**45**		25	08/14/2023 19:00	S23081410.D
o-Xylene	95-47-6	**27**		25	08/14/2023 19:00	S23081410.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/14/2023 19:00	S23081410.D
Isopropylbenzene	98-82-8	<25		25	08/14/2023 19:00	S23081410.D
1,3,5-Trimethylbenzene	108-67-8	**27**		25	08/14/2023 19:00	S23081410.D
1,2,4-Trimethylbenzene	95-63-6	**82**		25	08/14/2023 19:00	S23081410.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/14/2023 19:00	S23081410.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/14/2023 19:00	S23081410.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/14/2023 19:00	S23081410.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/14/2023 19:00	S23081410.D
Naphthalene	91-20-3	**32**		25	08/14/2023 19:00	S23081410.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/14/2023 19:00	S23081410.D
2-Methylnaphthalene	91-57-6	**33**		25	08/14/2023 19:00	S23081410.D
∉ **TPH C4-C9**		**11,200**		5,000	08/14/2023 19:00	S23081410.D
∉ **TPH C10-C15**		**96,800**		5,000	08/14/2023 19:00	S23081410.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*98.7%*	*70-130*		*08/14/2023 19:00*	*S23081410.D*
Surrogate: Toluene-d8	2037-26-5	*120%*	*70-130*		*08/14/2023 19:00*	*S23081410.D*
Surrogate: Bromofluorobenzene	460-00-4	*101%*	*70-130*		*08/14/2023 19:00*	*S23081410.D*

BEACON ENVIRONMENTAL

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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-07

PSG-06

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/14/2023 19:29	S23081411.D
1,1-Dichloroethene	75-35-4	<10		10	08/14/2023 19:29	S23081411.D
Methylene Chloride	75-09-2	<10		10	08/14/2023 19:29	S23081411.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/14/2023 19:29	S23081411.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/14/2023 19:29	S23081411.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/14/2023 19:29	S23081411.D
1,1-Dichloroethane	75-34-3	<10		10	08/14/2023 19:29	S23081411.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/14/2023 19:29	S23081411.D
Chloroform	67-66-3	<10		10	08/14/2023 19:29	S23081411.D
1,2-Dichloroethane	107-06-2	<10		10	08/14/2023 19:29	S23081411.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/14/2023 19:29	S23081411.D
Carbon Tetrachloride	56-23-5	<10		10	08/14/2023 19:29	S23081411.D
Benzene	71-43-2	**174**		25	08/14/2023 19:29	S23081411.D
Trichloroethene	79-01-6	<10		10	08/14/2023 19:29	S23081411.D
1,4-Dioxane	123-91-1	<10		10	08/14/2023 19:29	S23081411.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/14/2023 19:29	S23081411.D
Toluene	108-88-3	**55**		25	08/14/2023 19:29	S23081411.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/14/2023 19:29	S23081411.D
Tetrachloroethene	127-18-4	<10		10	08/14/2023 19:29	S23081411.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/14/2023 19:29	S23081411.D
Chlorobenzene	108-90-7	<10		10	08/14/2023 19:29	S23081411.D
Ethylbenzene	100-41-4	<25		25	08/14/2023 19:29	S23081411.D
p & m-Xylene	179601-23-1	<25		25	08/14/2023 19:29	S23081411.D
o-Xylene	95-47-6	<25		25	08/14/2023 19:29	S23081411.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/14/2023 19:29	S23081411.D
Isopropylbenzene	98-82-8	<25		25	08/14/2023 19:29	S23081411.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/14/2023 19:29	S23081411.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/14/2023 19:29	S23081411.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/14/2023 19:29	S23081411.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/14/2023 19:29	S23081411.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/14/2023 19:29	S23081411.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/14/2023 19:29	S23081411.D
Naphthalene	91-20-3	**80**		25	08/14/2023 19:29	S23081411.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/14/2023 19:29	S23081411.D
2-Methylnaphthalene	91-57-6	**82**		25	08/14/2023 19:29	S23081411.D
∉ **TPH C4-C9**		**52,100**		5,000	08/14/2023 19:29	S23081411.D
∉ **TPH C10-C15**		**384,000**		5,000	08/14/2023 19:29	S23081411.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*92.9%*	*70-130*		*08/14/2023 19:29*	*S23081411.D*
Surrogate: Toluene-d8	2037-26-5	*117%*	*70-130*		*08/14/2023 19:29*	*S23081411.D*
Surrogate: Bromofluorobenzene	460-00-4	*109%*	*70-130*		*08/14/2023 19:29*	*S23081411.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-08

PSG-07

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/14/2023 19:58	S23081412.D
1,1-Dichloroethene	75-35-4	<10		10	08/14/2023 19:58	S23081412.D
Methylene Chloride	75-09-2	<10		10	08/14/2023 19:58	S23081412.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/14/2023 19:58	S23081412.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/14/2023 19:58	S23081412.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/14/2023 19:58	S23081412.D
1,1-Dichloroethane	75-34-3	<10		10	08/14/2023 19:58	S23081412.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/14/2023 19:58	S23081412.D
Chloroform	67-66-3	<10		10	08/14/2023 19:58	S23081412.D
1,2-Dichloroethane	107-06-2	<10		10	08/14/2023 19:58	S23081412.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/14/2023 19:58	S23081412.D
Carbon Tetrachloride	56-23-5	<10		10	08/14/2023 19:58	S23081412.D
Benzene	71-43-2	**46**		25	08/14/2023 19:58	S23081412.D
Trichloroethene	79-01-6	<10		10	08/14/2023 19:58	S23081412.D
1,4-Dioxane	123-91-1	<10		10	08/14/2023 19:58	S23081412.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/14/2023 19:58	S23081412.D
Toluene	108-88-3	<25		25	08/14/2023 19:58	S23081412.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/14/2023 19:58	S23081412.D
Tetrachloroethene	127-18-4	<10		10	08/14/2023 19:58	S23081412.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/14/2023 19:58	S23081412.D
Chlorobenzene	108-90-7	**16**		10	08/14/2023 19:58	S23081412.D
Ethylbenzene	100-41-4	<25		25	08/14/2023 19:58	S23081412.D
p & m-Xylene	179601-23-1	**85**		25	08/14/2023 19:58	S23081412.D
o-Xylene	95-47-6	**33**		25	08/14/2023 19:58	S23081412.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/14/2023 19:58	S23081412.D
Isopropylbenzene	98-82-8	<25		25	08/14/2023 19:58	S23081412.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/14/2023 19:58	S23081412.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/14/2023 19:58	S23081412.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/14/2023 19:58	S23081412.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/14/2023 19:58	S23081412.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/14/2023 19:58	S23081412.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/14/2023 19:58	S23081412.D
Naphthalene	91-20-3	<25		25	08/14/2023 19:58	S23081412.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/14/2023 19:58	S23081412.D
2-Methylnaphthalene	91-57-6	<25		25	08/14/2023 19:58	S23081412.D
∉ TPH C4-C9		<5,000		5,000	08/14/2023 19:58	S23081412.D
∉ **TPH C10-C15**		**16,700**		5,000	08/14/2023 19:58	S23081412.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*94.3%*	*70-130*		*08/14/2023 19:58*	*S23081412.D*
Surrogate: Toluene-d8	2037-26-5	*98.9%*	*70-130*		*08/14/2023 19:58*	*S23081412.D*
Surrogate: Bromofluorobenzene	460-00-4	*102%*	*70-130*		*08/14/2023 19:58*	*S23081412.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-09

PSG-08

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/14/2023 20:27	S23081413.D
1,1-Dichloroethene	75-35-4	**15**		10	08/14/2023 20:27	S23081413.D
Methylene Chloride	75-09-2	<10		10	08/14/2023 20:27	S23081413.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/14/2023 20:27	S23081413.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/14/2023 20:27	S23081413.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/14/2023 20:27	S23081413.D
1,1-Dichloroethane	75-34-3	**51**		10	08/14/2023 20:27	S23081413.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/14/2023 20:27	S23081413.D
Chloroform	67-66-3	<10		10	08/14/2023 20:27	S23081413.D
1,2-Dichloroethane	107-06-2	<10		10	08/14/2023 20:27	S23081413.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/14/2023 20:27	S23081413.D
Carbon Tetrachloride	56-23-5	<10		10	08/14/2023 20:27	S23081413.D
Benzene	71-43-2	**69**		25	08/14/2023 20:27	S23081413.D
Trichloroethene	79-01-6	<10		10	08/14/2023 20:27	S23081413.D
1,4-Dioxane	123-91-1	<10		10	08/14/2023 20:27	S23081413.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/14/2023 20:27	S23081413.D
Toluene	108-88-3	**42**		25	08/14/2023 20:27	S23081413.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/14/2023 20:27	S23081413.D
Tetrachloroethene	127-18-4	<10		10	08/14/2023 20:27	S23081413.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/14/2023 20:27	S23081413.D
Chlorobenzene	108-90-7	<10		10	08/14/2023 20:27	S23081413.D
Ethylbenzene	100-41-4	<25		25	08/14/2023 20:27	S23081413.D
p & m-Xylene	179601-23-1	<25		25	08/14/2023 20:27	S23081413.D
o-Xylene	95-47-6	<25		25	08/14/2023 20:27	S23081413.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/14/2023 20:27	S23081413.D
Isopropylbenzene	98-82-8	<25		25	08/14/2023 20:27	S23081413.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/14/2023 20:27	S23081413.D
1,2,4-Trimethylbenzene	95-63-6	**31**		25	08/14/2023 20:27	S23081413.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/14/2023 20:27	S23081413.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/14/2023 20:27	S23081413.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/14/2023 20:27	S23081413.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/14/2023 20:27	S23081413.D
Naphthalene	91-20-3	**35**		25	08/14/2023 20:27	S23081413.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/14/2023 20:27	S23081413.D
2-Methylnaphthalene	91-57-6	<25		25	08/14/2023 20:27	S23081413.D
∉ TPH C4-C9		<5,000		5,000	08/14/2023 20:27	S23081413.D
∉ **TPH C10-C15**		**12,900**		5,000	08/14/2023 20:27	S23081413.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*90.1%*	*70-130*		*08/14/2023 20:27*	*S23081413.D*
Surrogate: Toluene-d8	2037-26-5	*191%*	*70-130*	*S4*	*08/14/2023 20:27*	*S23081413.D*
Surrogate: Bromofluorobenzene	460-00-4	*186%*	*70-130*	*S4*	*08/14/2023 20:27*	*S23081413.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-10

PSG-09

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/14/2023 20:56	S23081414.D
1,1-Dichloroethene	75-35-4	<10		10	08/14/2023 20:56	S23081414.D
Methylene Chloride	75-09-2	<10		10	08/14/2023 20:56	S23081414.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/14/2023 20:56	S23081414.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/14/2023 20:56	S23081414.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/14/2023 20:56	S23081414.D
1,1-Dichloroethane	75-34-3	<10		10	08/14/2023 20:56	S23081414.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/14/2023 20:56	S23081414.D
Chloroform	67-66-3	**12**		10	08/14/2023 20:56	S23081414.D
1,2-Dichloroethane	107-06-2	<10		10	08/14/2023 20:56	S23081414.D
1,1,1-Trichloroethane	71-55-6	**10**		10	08/14/2023 20:56	S23081414.D
Carbon Tetrachloride	56-23-5	<10		10	08/14/2023 20:56	S23081414.D
Benzene	71-43-2	<25		25	08/14/2023 20:56	S23081414.D
Trichloroethene	79-01-6	<10		10	08/14/2023 20:56	S23081414.D
1,4-Dioxane	123-91-1	<10		10	08/14/2023 20:56	S23081414.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/14/2023 20:56	S23081414.D
Toluene	108-88-3	<25		25	08/14/2023 20:56	S23081414.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/14/2023 20:56	S23081414.D
Tetrachloroethene	127-18-4	**254**		10	08/14/2023 20:56	S23081414.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/14/2023 20:56	S23081414.D
Chlorobenzene	108-90-7	<10		10	08/14/2023 20:56	S23081414.D
Ethylbenzene	100-41-4	<25		25	08/14/2023 20:56	S23081414.D
p & m-Xylene	179601-23-1	<25		25	08/14/2023 20:56	S23081414.D
o-Xylene	95-47-6	<25		25	08/14/2023 20:56	S23081414.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/14/2023 20:56	S23081414.D
Isopropylbenzene	98-82-8	<25		25	08/14/2023 20:56	S23081414.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/14/2023 20:56	S23081414.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/14/2023 20:56	S23081414.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/14/2023 20:56	S23081414.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/14/2023 20:56	S23081414.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/14/2023 20:56	S23081414.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/14/2023 20:56	S23081414.D
Naphthalene	91-20-3	<25		25	08/14/2023 20:56	S23081414.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/14/2023 20:56	S23081414.D
2-Methylnaphthalene	91-57-6	<25		25	08/14/2023 20:56	S23081414.D
∉ TPH C4-C9		<5,000		5,000	08/14/2023 20:56	S23081414.D
∉ **TPH C10-C15**		**6,010**		5,000	08/14/2023 20:56	S23081414.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*91.2%*	*70-130*		*08/14/2023 20:56*	*S23081414.D*
Surrogate: Toluene-d8	2037-26-5	*96.9%*	*70-130*		*08/14/2023 20:56*	*S23081414.D*
Surrogate: Bromofluorobenzene	460-00-4	*101%*	*70-130*		*08/14/2023 20:56*	*S23081414.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-11

PSG-10

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/14/2023 21:26	S23081415.D
1,1-Dichloroethene	75-35-4	**20**		10	08/14/2023 21:26	S23081415.D
Methylene Chloride	75-09-2	<10		10	08/14/2023 21:26	S23081415.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/14/2023 21:26	S23081415.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/14/2023 21:26	S23081415.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/14/2023 21:26	S23081415.D
1,1-Dichloroethane	75-34-3	<10		10	08/14/2023 21:26	S23081415.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/14/2023 21:26	S23081415.D
Chloroform	67-66-3	<10		10	08/14/2023 21:26	S23081415.D
1,2-Dichloroethane	107-06-2	<10		10	08/14/2023 21:26	S23081415.D
1,1,1-Trichloroethane	71-55-6	**29**		10	08/14/2023 21:26	S23081415.D
Carbon Tetrachloride	56-23-5	<10		10	08/14/2023 21:26	S23081415.D
Benzene	71-43-2	**45**		25	08/14/2023 21:26	S23081415.D
Trichloroethene	79-01-6	**223**		10	08/14/2023 21:26	S23081415.D
1,4-Dioxane	123-91-1	<10		10	08/14/2023 21:26	S23081415.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/14/2023 21:26	S23081415.D
Toluene	108-88-3	<25		25	08/14/2023 21:26	S23081415.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/14/2023 21:26	S23081415.D
Tetrachloroethene	127-18-4	**3,530**		10	08/14/2023 21:26	S23081415.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/14/2023 21:26	S23081415.D
Chlorobenzene	108-90-7	<10		10	08/14/2023 21:26	S23081415.D
Ethylbenzene	100-41-4	<25		25	08/14/2023 21:26	S23081415.D
p & m-Xylene	179601-23-1	<25		25	08/14/2023 21:26	S23081415.D
o-Xylene	95-47-6	<25		25	08/14/2023 21:26	S23081415.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/14/2023 21:26	S23081415.D
Isopropylbenzene	98-82-8	<25		25	08/14/2023 21:26	S23081415.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/14/2023 21:26	S23081415.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/14/2023 21:26	S23081415.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/14/2023 21:26	S23081415.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/14/2023 21:26	S23081415.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/14/2023 21:26	S23081415.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/14/2023 21:26	S23081415.D
Naphthalene	91-20-3	**89**		25	08/14/2023 21:26	S23081415.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/14/2023 21:26	S23081415.D
2-Methylnaphthalene	91-57-6	**58**		25	08/14/2023 21:26	S23081415.D
∉ **TPH C4-C9**		**7,820**		5,000	08/14/2023 21:26	S23081415.D
∉ **TPH C10-C15**		**27,700**		5,000	08/14/2023 21:26	S23081415.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*87.2%*	*70-130*		*08/14/2023 21:26*	*S23081415.D*
Surrogate: Toluene-d8	2037-26-5	*99.1%*	*70-130*		*08/14/2023 21:26*	*S23081415.D*
Surrogate: Bromofluorobenzene	460-00-4	*103%*	*70-130*		*08/14/2023 21:26*	*S23081415.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-12

PSG-11

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/14/2023 21:54	S23081416.D
1,1-Dichloroethene	75-35-4	<10		10	08/14/2023 21:54	S23081416.D
Methylene Chloride	75-09-2	<10		10	08/14/2023 21:54	S23081416.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/14/2023 21:54	S23081416.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/14/2023 21:54	S23081416.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/14/2023 21:54	S23081416.D
1,1-Dichloroethane	75-34-3	<10		10	08/14/2023 21:54	S23081416.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/14/2023 21:54	S23081416.D
Chloroform	67-66-3	<10		10	08/14/2023 21:54	S23081416.D
1,2-Dichloroethane	107-06-2	<10		10	08/14/2023 21:54	S23081416.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/14/2023 21:54	S23081416.D
Carbon Tetrachloride	56-23-5	<10		10	08/14/2023 21:54	S23081416.D
Benzene	71-43-2	**164**		25	08/14/2023 21:54	S23081416.D
Trichloroethene	79-01-6	<10		10	08/14/2023 21:54	S23081416.D
1,4-Dioxane	123-91-1	<10		10	08/14/2023 21:54	S23081416.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/14/2023 21:54	S23081416.D
Toluene	108-88-3	**140**		25	08/14/2023 21:54	S23081416.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/14/2023 21:54	S23081416.D
Tetrachloroethene	127-18-4	**14**		10	08/14/2023 21:54	S23081416.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/14/2023 21:54	S23081416.D
Chlorobenzene	108-90-7	<10		10	08/14/2023 21:54	S23081416.D
Ethylbenzene	100-41-4	**55**		25	08/14/2023 21:54	S23081416.D
p & m-Xylene	179601-23-1	**114**		25	08/14/2023 21:54	S23081416.D
o-Xylene	95-47-6	**55**		25	08/14/2023 21:54	S23081416.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/14/2023 21:54	S23081416.D
Isopropylbenzene	98-82-8	**351**		25	08/14/2023 21:54	S23081416.D
1,3,5-Trimethylbenzene	108-67-8	**147**		25	08/14/2023 21:54	S23081416.D
1,2,4-Trimethylbenzene	95-63-6	**1,140**	D	480	08/15/2023 12:55	S23081446.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/14/2023 21:54	S23081416.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/14/2023 21:54	S23081416.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/14/2023 21:54	S23081416.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/14/2023 21:54	S23081416.D
Naphthalene	91-20-3	**3,040**	D	480	08/15/2023 12:55	S23081446.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/14/2023 21:54	S23081416.D
2-Methylnaphthalene	91-57-6	**16,600**	D	480	08/15/2023 12:55	S23081446.D
∉ **TPH C4-C9**		**173,000**		5,000	08/14/2023 21:54	S23081416.D
∉ **TPH C10-C15**		**300,000**		5,000	08/14/2023 21:54	S23081416.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*89.4%*	*70-130*		*08/14/2023 21:54*	*S23081416.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*93.1%*	*70-130*		*08/15/2023 12:55*	*S23081446.D*
Surrogate: Toluene-d8	2037-26-5	*374%*	*70-130*	*S4*	*08/14/2023 21:54*	*S23081416.D*
Surrogate: Toluene-d8	2037-26-5	*121%*	*70-130*		*08/15/2023 12:55*	*S23081446.D*
Surrogate: Bromofluorobenzene	460-00-4	*101%*	*70-130*		*08/15/2023 12:55*	*S23081446.D*
Surrogate: Bromofluorobenzene	460-00-4	*95.0%*	*70-130*		*08/14/2023 21:54*	*S23081416.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-13

PSG-12

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/14/2023 22:23	S23081417.D
1,1-Dichloroethene	75-35-4	**12**		10	08/14/2023 22:23	S23081417.D
Methylene Chloride	75-09-2	<10		10	08/14/2023 22:23	S23081417.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/14/2023 22:23	S23081417.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/14/2023 22:23	S23081417.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/14/2023 22:23	S23081417.D
1,1-Dichloroethane	75-34-3	<10		10	08/14/2023 22:23	S23081417.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/14/2023 22:23	S23081417.D
Chloroform	67-66-3	<10		10	08/14/2023 22:23	S23081417.D
1,2-Dichloroethane	107-06-2	<10		10	08/14/2023 22:23	S23081417.D
1,1,1-Trichloroethane	71-55-6	**52**		10	08/14/2023 22:23	S23081417.D
Carbon Tetrachloride	56-23-5	<10		10	08/14/2023 22:23	S23081417.D
Benzene	71-43-2	<25		25	08/14/2023 22:23	S23081417.D
Trichloroethene	79-01-6	<10		10	08/14/2023 22:23	S23081417.D
1,4-Dioxane	123-91-1	<10		10	08/14/2023 22:23	S23081417.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/14/2023 22:23	S23081417.D
Toluene	108-88-3	<25		25	08/14/2023 22:23	S23081417.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/14/2023 22:23	S23081417.D
Tetrachloroethene	127-18-4	<10		10	08/14/2023 22:23	S23081417.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/14/2023 22:23	S23081417.D
Chlorobenzene	108-90-7	<10		10	08/14/2023 22:23	S23081417.D
Ethylbenzene	100-41-4	**103**		25	08/14/2023 22:23	S23081417.D
p & m-Xylene	179601-23-1	**487**		25	08/14/2023 22:23	S23081417.D
o-Xylene	95-47-6	**208**		25	08/14/2023 22:23	S23081417.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/14/2023 22:23	S23081417.D
Isopropylbenzene	98-82-8	<25		25	08/14/2023 22:23	S23081417.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/14/2023 22:23	S23081417.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/14/2023 22:23	S23081417.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/14/2023 22:23	S23081417.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/14/2023 22:23	S23081417.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/14/2023 22:23	S23081417.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/14/2023 22:23	S23081417.D
Naphthalene	91-20-3	<25		25	08/14/2023 22:23	S23081417.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/14/2023 22:23	S23081417.D
2-Methylnaphthalene	91-57-6	**137**		25	08/14/2023 22:23	S23081417.D
∉ TPH C4-C9		<5,000		5,000	08/14/2023 22:23	S23081417.D
∉ **TPH C10-C15**		**11,100**		5,000	08/14/2023 22:23	S23081417.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*94.4%*	*70-130*		*08/14/2023 22:23*	*S23081417.D*
Surrogate: Toluene-d8	2037-26-5	*182%*	*70-130*	*S4*	*08/14/2023 22:23*	*S23081417.D*
Surrogate: Bromofluorobenzene	460-00-4	*183%*	*70-130*	*S4*	*08/14/2023 22:23*	*S23081417.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-14

PSG-13

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/14/2023 22:52	S23081418.D
1,1-Dichloroethene	75-35-4	<10		10	08/14/2023 22:52	S23081418.D
Methylene Chloride	75-09-2	<10		10	08/14/2023 22:52	S23081418.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/14/2023 22:52	S23081418.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/14/2023 22:52	S23081418.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/14/2023 22:52	S23081418.D
1,1-Dichloroethane	75-34-3	<10		10	08/14/2023 22:52	S23081418.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/14/2023 22:52	S23081418.D
Chloroform	67-66-3	<10		10	08/14/2023 22:52	S23081418.D
1,2-Dichloroethane	107-06-2	<10		10	08/14/2023 22:52	S23081418.D
1,1,1-Trichloroethane	71-55-6	**27**		10	08/14/2023 22:52	S23081418.D
Carbon Tetrachloride	56-23-5	<10		10	08/14/2023 22:52	S23081418.D
Benzene	71-43-2	**196**		25	08/14/2023 22:52	S23081418.D
Trichloroethene	79-01-6	<10		10	08/14/2023 22:52	S23081418.D
1,4-Dioxane	123-91-1	<10		10	08/14/2023 22:52	S23081418.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/14/2023 22:52	S23081418.D
Toluene	108-88-3	**152**		25	08/14/2023 22:52	S23081418.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/14/2023 22:52	S23081418.D
Tetrachloroethene	127-18-4	<10		10	08/14/2023 22:52	S23081418.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/14/2023 22:52	S23081418.D
Chlorobenzene	108-90-7	<10		10	08/14/2023 22:52	S23081418.D
Ethylbenzene	100-41-4	**66**		25	08/14/2023 22:52	S23081418.D
p & m-Xylene	179601-23-1	**122**		25	08/14/2023 22:52	S23081418.D
o-Xylene	95-47-6	**64**		25	08/14/2023 22:52	S23081418.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/14/2023 22:52	S23081418.D
Isopropylbenzene	98-82-8	<25		25	08/14/2023 22:52	S23081418.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/14/2023 22:52	S23081418.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/14/2023 22:52	S23081418.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/14/2023 22:52	S23081418.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/14/2023 22:52	S23081418.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/14/2023 22:52	S23081418.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/14/2023 22:52	S23081418.D
Naphthalene	91-20-3	<25		25	08/14/2023 22:52	S23081418.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/14/2023 22:52	S23081418.D
2-Methylnaphthalene	91-57-6	**72**		25	08/14/2023 22:52	S23081418.D
∉ **TPH C4-C9**		**52,100**		5,000	08/14/2023 22:52	S23081418.D
∉ **TPH C10-C15**		**66,200**		5,000	08/14/2023 22:52	S23081418.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*109%*	*70-130*		*08/14/2023 22:52*	*S23081418.D*
Surrogate: Toluene-d8	2037-26-5	*177%*	*70-130*	*S4*	*08/14/2023 22:52*	*S23081418.D*
Surrogate: Bromofluorobenzene	460-00-4	*187%*	*70-130*	*S4*	*08/14/2023 22:52*	*S23081418.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-15

PSG-14

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/14/2023 23:21	S23081419.D
1,1-Dichloroethene	75-35-4	<10		10	08/14/2023 23:21	S23081419.D
Methylene Chloride	75-09-2	<10		10	08/14/2023 23:21	S23081419.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/14/2023 23:21	S23081419.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/14/2023 23:21	S23081419.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/14/2023 23:21	S23081419.D
1,1-Dichloroethane	75-34-3	<10		10	08/14/2023 23:21	S23081419.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/14/2023 23:21	S23081419.D
Chloroform	67-66-3	<10		10	08/14/2023 23:21	S23081419.D
1,2-Dichloroethane	107-06-2	<10		10	08/14/2023 23:21	S23081419.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/14/2023 23:21	S23081419.D
Carbon Tetrachloride	56-23-5	<10		10	08/14/2023 23:21	S23081419.D
Benzene	71-43-2	**55**		25	08/14/2023 23:21	S23081419.D
Trichloroethene	79-01-6	<10		10	08/14/2023 23:21	S23081419.D
1,4-Dioxane	123-91-1	<10		10	08/14/2023 23:21	S23081419.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/14/2023 23:21	S23081419.D
Toluene	108-88-3	**44**		25	08/14/2023 23:21	S23081419.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/14/2023 23:21	S23081419.D
Tetrachloroethene	127-18-4	**16**		10	08/14/2023 23:21	S23081419.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/14/2023 23:21	S23081419.D
Chlorobenzene	108-90-7	<10		10	08/14/2023 23:21	S23081419.D
Ethylbenzene	100-41-4	<25		25	08/14/2023 23:21	S23081419.D
p & m-Xylene	179601-23-1	**93**		25	08/14/2023 23:21	S23081419.D
o-Xylene	95-47-6	**47**		25	08/14/2023 23:21	S23081419.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/14/2023 23:21	S23081419.D
Isopropylbenzene	98-82-8	<25		25	08/14/2023 23:21	S23081419.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/14/2023 23:21	S23081419.D
1,2,4-Trimethylbenzene	95-63-6	**26**		25	08/14/2023 23:21	S23081419.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/14/2023 23:21	S23081419.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/14/2023 23:21	S23081419.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/14/2023 23:21	S23081419.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/14/2023 23:21	S23081419.D
Naphthalene	91-20-3	<25		25	08/14/2023 23:21	S23081419.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/14/2023 23:21	S23081419.D
2-Methylnaphthalene	91-57-6	**40**		25	08/14/2023 23:21	S23081419.D
∉ TPH C4-C9		<5,000		5,000	08/14/2023 23:21	S23081419.D
∉ **TPH C10-C15**		**11,900**		5,000	08/14/2023 23:21	S23081419.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*91.0%*	*70-130*		*08/14/2023 23:21*	*S23081419.D*
Surrogate: Toluene-d8	2037-26-5	*180%*	*70-130*	*S4*	*08/14/2023 23:21*	*S23081419.D*
Surrogate: Bromofluorobenzene	460-00-4	*186%*	*70-130*	*S4*	*08/14/2023 23:21*	*S23081419.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-16

PSG-15

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/14/2023 23:50	S23081420.D
1,1-Dichloroethene	75-35-4	<10		10	08/14/2023 23:50	S23081420.D
Methylene Chloride	75-09-2	<10		10	08/14/2023 23:50	S23081420.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/14/2023 23:50	S23081420.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/14/2023 23:50	S23081420.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/14/2023 23:50	S23081420.D
1,1-Dichloroethane	75-34-3	<10		10	08/14/2023 23:50	S23081420.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/14/2023 23:50	S23081420.D
Chloroform	67-66-3	<10		10	08/14/2023 23:50	S23081420.D
1,2-Dichloroethane	107-06-2	<10		10	08/14/2023 23:50	S23081420.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/14/2023 23:50	S23081420.D
Carbon Tetrachloride	56-23-5	<10		10	08/14/2023 23:50	S23081420.D
Benzene	71-43-2	**26**		25	08/14/2023 23:50	S23081420.D
Trichloroethene	79-01-6	<10		10	08/14/2023 23:50	S23081420.D
1,4-Dioxane	123-91-1	<10		10	08/14/2023 23:50	S23081420.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/14/2023 23:50	S23081420.D
Toluene	108-88-3	<25		25	08/14/2023 23:50	S23081420.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/14/2023 23:50	S23081420.D
Tetrachloroethene	127-18-4	**78**		10	08/14/2023 23:50	S23081420.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/14/2023 23:50	S23081420.D
Chlorobenzene	108-90-7	<10		10	08/14/2023 23:50	S23081420.D
Ethylbenzene	100-41-4	**29**		25	08/14/2023 23:50	S23081420.D
p & m-Xylene	179601-23-1	**152**		25	08/14/2023 23:50	S23081420.D
o-Xylene	95-47-6	**69**		25	08/14/2023 23:50	S23081420.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/14/2023 23:50	S23081420.D
Isopropylbenzene	98-82-8	<25		25	08/14/2023 23:50	S23081420.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/14/2023 23:50	S23081420.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/14/2023 23:50	S23081420.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/14/2023 23:50	S23081420.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/14/2023 23:50	S23081420.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/14/2023 23:50	S23081420.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/14/2023 23:50	S23081420.D
Naphthalene	91-20-3	<25		25	08/14/2023 23:50	S23081420.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/14/2023 23:50	S23081420.D
2-Methylnaphthalene	91-57-6	<25		25	08/14/2023 23:50	S23081420.D
∉ TPH C4-C9		<5,000		5,000	08/14/2023 23:50	S23081420.D
∉ **TPH C10-C15**		**5,270**		5,000	08/14/2023 23:50	S23081420.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*87.8%*	*70-130*		*08/14/2023 23:50*	*S23081420.D*
Surrogate: Toluene-d8	2037-26-5	*98.7%*	*70-130*		*08/14/2023 23:50*	*S23081420.D*
Surrogate: Bromofluorobenzene	460-00-4	*102%*	*70-130*		*08/14/2023 23:50*	*S23081420.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-17

PSG-15-Dup

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/15/2023 00:19	S23081421.D
1,1-Dichloroethene	75-35-4	<10		10	08/15/2023 00:19	S23081421.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 00:19	S23081421.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 00:19	S23081421.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/15/2023 00:19	S23081421.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/15/2023 00:19	S23081421.D
1,1-Dichloroethane	75-34-3	<10		10	08/15/2023 00:19	S23081421.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/15/2023 00:19	S23081421.D
Chloroform	67-66-3	<10		10	08/15/2023 00:19	S23081421.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 00:19	S23081421.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/15/2023 00:19	S23081421.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 00:19	S23081421.D
Benzene	71-43-2	<25		25	08/15/2023 00:19	S23081421.D
Trichloroethene	79-01-6	<10		10	08/15/2023 00:19	S23081421.D
1,4-Dioxane	123-91-1	<10		10	08/15/2023 00:19	S23081421.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 00:19	S23081421.D
Toluene	108-88-3	<25		25	08/15/2023 00:19	S23081421.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 00:19	S23081421.D
Tetrachloroethene	127-18-4	**52**		10	08/15/2023 00:19	S23081421.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 00:19	S23081421.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 00:19	S23081421.D
Ethylbenzene	100-41-4	<25		25	08/15/2023 00:19	S23081421.D
p & m-Xylene	179601-23-1	**134**		25	08/15/2023 00:19	S23081421.D
o-Xylene	95-47-6	**60**		25	08/15/2023 00:19	S23081421.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 00:19	S23081421.D
Isopropylbenzene	98-82-8	<25		25	08/15/2023 00:19	S23081421.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/15/2023 00:19	S23081421.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/15/2023 00:19	S23081421.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 00:19	S23081421.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 00:19	S23081421.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 00:19	S23081421.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 00:19	S23081421.D
Naphthalene	91-20-3	<25		25	08/15/2023 00:19	S23081421.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/15/2023 00:19	S23081421.D
2-Methylnaphthalene	91-57-6	<25		25	08/15/2023 00:19	S23081421.D
∉ TPH C4-C9		<5,000		5,000	08/15/2023 00:19	S23081421.D
∉ TPH C10-C15		<5,000		5,000	08/15/2023 00:19	S23081421.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*88.0%*	*70-130*		*08/15/2023 00:19*	*S23081421.D*
Surrogate: Toluene-d8	2037-26-5	*98.2%*	*70-130*		*08/15/2023 00:19*	*S23081421.D*
Surrogate: Bromofluorobenzene	460-00-4	*102%*	*70-130*		*08/15/2023 00:19*	*S23081421.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-18

PSG-16

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/15/2023 00:48	S23081422.D
1,1-Dichloroethene	75-35-4	<10		10	08/15/2023 00:48	S23081422.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 00:48	S23081422.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 00:48	S23081422.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/15/2023 00:48	S23081422.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/15/2023 00:48	S23081422.D
1,1-Dichloroethane	75-34-3	<10		10	08/15/2023 00:48	S23081422.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/15/2023 00:48	S23081422.D
Chloroform	67-66-3	<10		10	08/15/2023 00:48	S23081422.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 00:48	S23081422.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/15/2023 00:48	S23081422.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 00:48	S23081422.D
Benzene	71-43-2	<25		25	08/15/2023 00:48	S23081422.D
Trichloroethene	79-01-6	<10		10	08/15/2023 00:48	S23081422.D
1,4-Dioxane	123-91-1	<10		10	08/15/2023 00:48	S23081422.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 00:48	S23081422.D
Toluene	108-88-3	<25		25	08/15/2023 00:48	S23081422.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 00:48	S23081422.D
Tetrachloroethene	127-18-4	<10		10	08/15/2023 00:48	S23081422.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 00:48	S23081422.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 00:48	S23081422.D
Ethylbenzene	100-41-4	**117**		25	08/15/2023 00:48	S23081422.D
p & m-Xylene	179601-23-1	**634**		25	08/15/2023 00:48	S23081422.D
o-Xylene	95-47-6	**290**		25	08/15/2023 00:48	S23081422.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 00:48	S23081422.D
Isopropylbenzene	98-82-8	<25		25	08/15/2023 00:48	S23081422.D
1,3,5-Trimethylbenzene	108-67-8	**93**		25	08/15/2023 00:48	S23081422.D
1,2,4-Trimethylbenzene	95-63-6	**81**		25	08/15/2023 00:48	S23081422.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 00:48	S23081422.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 00:48	S23081422.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 00:48	S23081422.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 00:48	S23081422.D
Naphthalene	91-20-3	<25		25	08/15/2023 00:48	S23081422.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/15/2023 00:48	S23081422.D
2-Methylnaphthalene	91-57-6	<25		25	08/15/2023 00:48	S23081422.D
∉ TPH C4-C9		<5,000		5,000	08/15/2023 00:48	S23081422.D
∉ **TPH C10-C15**		**9,070**		5,000	08/15/2023 00:48	S23081422.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*90.5%*	*70-130*		*08/15/2023 00:48*	*S23081422.D*
Surrogate: Toluene-d8	2037-26-5	*98.3%*	*70-130*		*08/15/2023 00:48*	*S23081422.D*
Surrogate: Bromofluorobenzene	460-00-4	*102%*	*70-130*		*08/15/2023 00:48*	*S23081422.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-19

PSG-17

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/15/2023 01:17	S23081423.D
1,1-Dichloroethene	75-35-4	<10		10	08/15/2023 01:17	S23081423.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 01:17	S23081423.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 01:17	S23081423.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/15/2023 01:17	S23081423.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/15/2023 01:17	S23081423.D
1,1-Dichloroethane	75-34-3	<10		10	08/15/2023 01:17	S23081423.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/15/2023 01:17	S23081423.D
Chloroform	67-66-3	<10		10	08/15/2023 01:17	S23081423.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 01:17	S23081423.D
1,1,1-Trichloroethane	71-55-6	**11**		10	08/15/2023 01:17	S23081423.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 01:17	S23081423.D
Benzene	71-43-2	<25		25	08/15/2023 01:17	S23081423.D
Trichloroethene	79-01-6	<10		10	08/15/2023 01:17	S23081423.D
1,4-Dioxane	123-91-1	<10		10	08/15/2023 01:17	S23081423.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 01:17	S23081423.D
Toluene	108-88-3	<25		25	08/15/2023 01:17	S23081423.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 01:17	S23081423.D
Tetrachloroethene	127-18-4	**60**		10	08/15/2023 01:17	S23081423.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 01:17	S23081423.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 01:17	S23081423.D
Ethylbenzene	100-41-4	<25		25	08/15/2023 01:17	S23081423.D
p & m-Xylene	179601-23-1	**28**		25	08/15/2023 01:17	S23081423.D
o-Xylene	95-47-6	<25		25	08/15/2023 01:17	S23081423.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 01:17	S23081423.D
Isopropylbenzene	98-82-8	<25		25	08/15/2023 01:17	S23081423.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/15/2023 01:17	S23081423.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/15/2023 01:17	S23081423.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 01:17	S23081423.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 01:17	S23081423.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 01:17	S23081423.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 01:17	S23081423.D
Naphthalene	91-20-3	<25		25	08/15/2023 01:17	S23081423.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/15/2023 01:17	S23081423.D
2-Methylnaphthalene	91-57-6	<25		25	08/15/2023 01:17	S23081423.D
∉ TPH C4-C9		<5,000		5,000	08/15/2023 01:17	S23081423.D
∉ TPH C10-C15		<5,000		5,000	08/15/2023 01:17	S23081423.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*90.1%*	*70-130*		*08/15/2023 01:17*	*S23081423.D*
Surrogate: Toluene-d8	2037-26-5	*96.8%*	*70-130*		*08/15/2023 01:17*	*S23081423.D*
Surrogate: Bromofluorobenzene	460-00-4	*98.8%*	*70-130*		*08/15/2023 01:17*	*S23081423.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-20

PSG-18

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/15/2023 01:45	S23081424.D
1,1-Dichloroethene	75-35-4	<10		10	08/15/2023 01:45	S23081424.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 01:45	S23081424.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 01:45	S23081424.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/15/2023 01:45	S23081424.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/15/2023 01:45	S23081424.D
1,1-Dichloroethane	75-34-3	<10		10	08/15/2023 01:45	S23081424.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/15/2023 01:45	S23081424.D
Chloroform	67-66-3	<10		10	08/15/2023 01:45	S23081424.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 01:45	S23081424.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/15/2023 01:45	S23081424.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 01:45	S23081424.D
Benzene	71-43-2	**58**		25	08/15/2023 01:45	S23081424.D
Trichloroethene	79-01-6	<10		10	08/15/2023 01:45	S23081424.D
1,4-Dioxane	123-91-1	<10		10	08/15/2023 01:45	S23081424.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 01:45	S23081424.D
Toluene	108-88-3	<25		25	08/15/2023 01:45	S23081424.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 01:45	S23081424.D
Tetrachloroethene	127-18-4	<10		10	08/15/2023 01:45	S23081424.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 01:45	S23081424.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 01:45	S23081424.D
Ethylbenzene	100-41-4	<25		25	08/15/2023 01:45	S23081424.D
p & m-Xylene	179601-23-1	<25		25	08/15/2023 01:45	S23081424.D
o-Xylene	95-47-6	<25		25	08/15/2023 01:45	S23081424.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 01:45	S23081424.D
Isopropylbenzene	98-82-8	<25		25	08/15/2023 01:45	S23081424.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/15/2023 01:45	S23081424.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/15/2023 01:45	S23081424.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 01:45	S23081424.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 01:45	S23081424.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 01:45	S23081424.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 01:45	S23081424.D
Naphthalene	91-20-3	<25		25	08/15/2023 01:45	S23081424.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/15/2023 01:45	S23081424.D
2-Methylnaphthalene	91-57-6	**39**		25	08/15/2023 01:45	S23081424.D
∉ TPH C4-C9		<5,000		5,000	08/15/2023 01:45	S23081424.D
∉ **TPH C10-C15**		**13,800**		5,000	08/15/2023 01:45	S23081424.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*85.2%*	*70-130*		*08/15/2023 01:45*	*S23081424.D*
Surrogate: Toluene-d8	2037-26-5	*98.1%*	*70-130*		*08/15/2023 01:45*	*S23081424.D*
Surrogate: Bromofluorobenzene	460-00-4	*103%*	*70-130*		*08/15/2023 01:45*	*S23081424.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-21

PSG-19

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/15/2023 02:15	S23081425.D
1,1-Dichloroethene	75-35-4	<10		10	08/15/2023 02:15	S23081425.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 02:15	S23081425.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 02:15	S23081425.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/15/2023 02:15	S23081425.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/15/2023 02:15	S23081425.D
1,1-Dichloroethane	75-34-3	<10		10	08/15/2023 02:15	S23081425.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/15/2023 02:15	S23081425.D
Chloroform	67-66-3	<10		10	08/15/2023 02:15	S23081425.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 02:15	S23081425.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/15/2023 02:15	S23081425.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 02:15	S23081425.D
Benzene	71-43-2	**37**		25	08/15/2023 02:15	S23081425.D
Trichloroethene	79-01-6	<10		10	08/15/2023 02:15	S23081425.D
1,4-Dioxane	123-91-1	<10		10	08/15/2023 02:15	S23081425.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 02:15	S23081425.D
Toluene	108-88-3	<25		25	08/15/2023 02:15	S23081425.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 02:15	S23081425.D
Tetrachloroethene	127-18-4	<10		10	08/15/2023 02:15	S23081425.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 02:15	S23081425.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 02:15	S23081425.D
Ethylbenzene	100-41-4	<25		25	08/15/2023 02:15	S23081425.D
p & m-Xylene	179601-23-1	<25		25	08/15/2023 02:15	S23081425.D
o-Xylene	95-47-6	<25		25	08/15/2023 02:15	S23081425.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 02:15	S23081425.D
Isopropylbenzene	98-82-8	<25		25	08/15/2023 02:15	S23081425.D
1,3,5-Trimethylbenzene	108-67-8	**30**		25	08/15/2023 02:15	S23081425.D
1,2,4-Trimethylbenzene	95-63-6	**62**		25	08/15/2023 02:15	S23081425.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 02:15	S23081425.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 02:15	S23081425.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 02:15	S23081425.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 02:15	S23081425.D
Naphthalene	91-20-3	**40**		25	08/15/2023 02:15	S23081425.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/15/2023 02:15	S23081425.D
2-Methylnaphthalene	91-57-6	**48**		25	08/15/2023 02:15	S23081425.D
∉ TPH C4-C9		<5,000		5,000	08/15/2023 02:15	S23081425.D
∉ **TPH C10-C15**		**89,500**		5,000	08/15/2023 02:15	S23081425.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*83.5%*	*70-130*		*08/15/2023 02:15*	*S23081425.D*
Surrogate: Toluene-d8	2037-26-5	*94.2%*	*70-130*		*08/15/2023 02:15*	*S23081425.D*
Surrogate: Bromofluorobenzene	460-00-4	*104%*	*70-130*		*08/15/2023 02:15*	*S23081425.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-22

PSG-20

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/15/2023 02:43	S23081426.D
1,1-Dichloroethene	75-35-4	<10		10	08/15/2023 02:43	S23081426.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 02:43	S23081426.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 02:43	S23081426.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/15/2023 02:43	S23081426.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/15/2023 02:43	S23081426.D
1,1-Dichloroethane	75-34-3	<10		10	08/15/2023 02:43	S23081426.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/15/2023 02:43	S23081426.D
Chloroform	67-66-3	<10		10	08/15/2023 02:43	S23081426.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 02:43	S23081426.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/15/2023 02:43	S23081426.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 02:43	S23081426.D
Benzene	71-43-2	**65**		25	08/15/2023 02:43	S23081426.D
Trichloroethene	79-01-6	<10		10	08/15/2023 02:43	S23081426.D
1,4-Dioxane	123-91-1	<10		10	08/15/2023 02:43	S23081426.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 02:43	S23081426.D
Toluene	108-88-3	<25		25	08/15/2023 02:43	S23081426.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 02:43	S23081426.D
Tetrachloroethene	127-18-4	<10		10	08/15/2023 02:43	S23081426.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 02:43	S23081426.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 02:43	S23081426.D
Ethylbenzene	100-41-4	<25		25	08/15/2023 02:43	S23081426.D
p & m-Xylene	179601-23-1	<25		25	08/15/2023 02:43	S23081426.D
o-Xylene	95-47-6	<25		25	08/15/2023 02:43	S23081426.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 02:43	S23081426.D
Isopropylbenzene	98-82-8	<25		25	08/15/2023 02:43	S23081426.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/15/2023 02:43	S23081426.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/15/2023 02:43	S23081426.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 02:43	S23081426.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 02:43	S23081426.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 02:43	S23081426.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 02:43	S23081426.D
Naphthalene	91-20-3	<25		25	08/15/2023 02:43	S23081426.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/15/2023 02:43	S23081426.D
2-Methylnaphthalene	91-57-6	<25		25	08/15/2023 02:43	S23081426.D
⋐ **TPH C4-C9**		**6,810**		5,000	08/15/2023 02:43	S23081426.D
⋐ **TPH C10-C15**		**47,200**		5,000	08/15/2023 02:43	S23081426.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*83.5%*	*70-130*		*08/15/2023 02:43*	*S23081426.D*
Surrogate: Toluene-d8	2037-26-5	*99.7%*	*70-130*		*08/15/2023 02:43*	*S23081426.D*
Surrogate: Bromofluorobenzene	460-00-4	*102%*	*70-130*		*08/15/2023 02:43*	*S23081426.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-23

PSG-20-Dup

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/15/2023 03:12	S23081427.D
1,1-Dichloroethene	75-35-4	<10		10	08/15/2023 03:12	S23081427.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 03:12	S23081427.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 03:12	S23081427.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/15/2023 03:12	S23081427.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/15/2023 03:12	S23081427.D
1,1-Dichloroethane	75-34-3	<10		10	08/15/2023 03:12	S23081427.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/15/2023 03:12	S23081427.D
Chloroform	67-66-3	<10		10	08/15/2023 03:12	S23081427.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 03:12	S23081427.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/15/2023 03:12	S23081427.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 03:12	S23081427.D
Benzene	71-43-2	**61**		25	08/15/2023 03:12	S23081427.D
Trichloroethene	79-01-6	<10		10	08/15/2023 03:12	S23081427.D
1,4-Dioxane	123-91-1	<10		10	08/15/2023 03:12	S23081427.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 03:12	S23081427.D
Toluene	108-88-3	<25		25	08/15/2023 03:12	S23081427.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 03:12	S23081427.D
Tetrachloroethene	127-18-4	<10		10	08/15/2023 03:12	S23081427.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 03:12	S23081427.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 03:12	S23081427.D
Ethylbenzene	100-41-4	<25		25	08/15/2023 03:12	S23081427.D
p & m-Xylene	179601-23-1	<25		25	08/15/2023 03:12	S23081427.D
o-Xylene	95-47-6	<25		25	08/15/2023 03:12	S23081427.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 03:12	S23081427.D
Isopropylbenzene	98-82-8	<25		25	08/15/2023 03:12	S23081427.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/15/2023 03:12	S23081427.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/15/2023 03:12	S23081427.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 03:12	S23081427.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 03:12	S23081427.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 03:12	S23081427.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 03:12	S23081427.D
Naphthalene	91-20-3	<25		25	08/15/2023 03:12	S23081427.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/15/2023 03:12	S23081427.D
2-Methylnaphthalene	91-57-6	<25		25	08/15/2023 03:12	S23081427.D
∉ **TPH C4-C9**		**6,340**		5,000	08/15/2023 03:12	S23081427.D
∉ **TPH C10-C15**		**43,300**		5,000	08/15/2023 03:12	S23081427.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*85.9%*	*70-130*		*08/15/2023 03:12*	*S23081427.D*
Surrogate: Toluene-d8	2037-26-5	*100%*	*70-130*		*08/15/2023 03:12*	*S23081427.D*
Surrogate: Bromofluorobenzene	460-00-4	*102%*	*70-130*		*08/15/2023 03:12*	*S23081427.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-24

PSG-21

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/15/2023 03:41	S23081428.D
1,1-Dichloroethene	75-35-4	<10		10	08/15/2023 03:41	S23081428.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 03:41	S23081428.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 03:41	S23081428.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/15/2023 03:41	S23081428.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/15/2023 03:41	S23081428.D
1,1-Dichloroethane	75-34-3	**84**		10	08/15/2023 03:41	S23081428.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/15/2023 03:41	S23081428.D
Chloroform	67-66-3	<10		10	08/15/2023 03:41	S23081428.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 03:41	S23081428.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/15/2023 03:41	S23081428.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 03:41	S23081428.D
Benzene	71-43-2	**73**		25	08/15/2023 03:41	S23081428.D
Trichloroethene	79-01-6	<10		10	08/15/2023 03:41	S23081428.D
1,4-Dioxane	123-91-1	<10		10	08/15/2023 03:41	S23081428.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 03:41	S23081428.D
Toluene	108-88-3	**41**		25	08/15/2023 03:41	S23081428.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 03:41	S23081428.D
Tetrachloroethene	127-18-4	<10		10	08/15/2023 03:41	S23081428.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 03:41	S23081428.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 03:41	S23081428.D
Ethylbenzene	100-41-4	<25		25	08/15/2023 03:41	S23081428.D
p & m-Xylene	179601-23-1	<25		25	08/15/2023 03:41	S23081428.D
o-Xylene	95-47-6	<25		25	08/15/2023 03:41	S23081428.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 03:41	S23081428.D
Isopropylbenzene	98-82-8	<25		25	08/15/2023 03:41	S23081428.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/15/2023 03:41	S23081428.D
1,2,4-Trimethylbenzene	95-63-6	**41**		25	08/15/2023 03:41	S23081428.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 03:41	S23081428.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 03:41	S23081428.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 03:41	S23081428.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 03:41	S23081428.D
Naphthalene	91-20-3	**29**		25	08/15/2023 03:41	S23081428.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/15/2023 03:41	S23081428.D
2-Methylnaphthalene	91-57-6	**46**		25	08/15/2023 03:41	S23081428.D
∉ **TPH C4-C9**		**10,500**		5,000	08/15/2023 03:41	S23081428.D
∉ **TPH C10-C15**		**37,700**		5,000	08/15/2023 03:41	S23081428.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*111%*	*70-130*		*08/15/2023 03:41*	*S23081428.D*
Surrogate: Toluene-d8	2037-26-5	*110%*	*70-130*		*08/15/2023 03:41*	*S23081428.D*
Surrogate: Bromofluorobenzene	460-00-4	*104%*	*70-130*		*08/15/2023 03:41*	*S23081428.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-25

PSG-22

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	**37**		10	08/15/2023 04:09	S23081429.D
1,1-Dichloroethene	75-35-4	**2,920**		10	08/15/2023 04:09	S23081429.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 04:09	S23081429.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 04:09	S23081429.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/15/2023 04:09	S23081429.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/15/2023 04:09	S23081429.D
1,1-Dichloroethane	75-34-3	**5,760**	D	192	08/15/2023 13:24	S23081447.D
cis-1,2-Dichloroethene	156-59-2	**11**		10	08/15/2023 04:09	S23081429.D
Chloroform	67-66-3	<10		10	08/15/2023 04:09	S23081429.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 04:09	S23081429.D
1,1,1-Trichloroethane	71-55-6	**2,330**	D	192	08/15/2023 13:24	S23081447.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 04:09	S23081429.D
Benzene	71-43-2	**125**		25	08/15/2023 04:09	S23081429.D
Trichloroethene	79-01-6	<10		10	08/15/2023 04:09	S23081429.D
1,4-Dioxane	123-91-1	**641**		10	08/15/2023 04:09	S23081429.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 04:09	S23081429.D
Toluene	108-88-3	**81**		25	08/15/2023 04:09	S23081429.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 04:09	S23081429.D
Tetrachloroethene	127-18-4	<10		10	08/15/2023 04:09	S23081429.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 04:09	S23081429.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 04:09	S23081429.D
Ethylbenzene	100-41-4	**33**		25	08/15/2023 04:09	S23081429.D
p & m-Xylene	179601-23-1	**46**		25	08/15/2023 04:09	S23081429.D
o-Xylene	95-47-6	**26**		25	08/15/2023 04:09	S23081429.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 04:09	S23081429.D
Isopropylbenzene	98-82-8	<25		25	08/15/2023 04:09	S23081429.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/15/2023 04:09	S23081429.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/15/2023 04:09	S23081429.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 04:09	S23081429.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 04:09	S23081429.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 04:09	S23081429.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 04:09	S23081429.D
Naphthalene	91-20-3	<25		25	08/15/2023 04:09	S23081429.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/15/2023 04:09	S23081429.D
2-Methylnaphthalene	91-57-6	<25		25	08/15/2023 04:09	S23081429.D
∉ **TPH C4-C9**		**243,000**		5,000	08/15/2023 04:09	S23081429.D
∉ **TPH C10-C15**		**39,700**		5,000	08/15/2023 04:09	S23081429.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*94.7%*	*70-130*		*08/15/2023 04:09*	*S23081429.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*93.3%*	*70-130*		*08/15/2023 13:24*	*S23081447.D*
Surrogate: Toluene-d8	2037-26-5	*%*	*70-130*	*S4*	*08/15/2023 04:09*	*S23081429.D*
Surrogate: Toluene-d8	2037-26-5	*167%*	*70-130*	*S4*	*08/15/2023 13:24*	*S23081447.D*
Surrogate: Bromofluorobenzene	460-00-4	*97.4%*	*70-130*		*08/15/2023 13:24*	*S23081447.D*
Surrogate: Bromofluorobenzene	460-00-4	*106%*	*70-130*		*08/15/2023 04:09*	*S23081429.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-26

PSG-23

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/15/2023 04:39	S23081430.D
1,1-Dichloroethene	75-35-4	**14**		10	08/15/2023 04:39	S23081430.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 04:39	S23081430.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 04:39	S23081430.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/15/2023 04:39	S23081430.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/15/2023 04:39	S23081430.D
1,1-Dichloroethane	75-34-3	**14**		10	08/15/2023 04:39	S23081430.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/15/2023 04:39	S23081430.D
Chloroform	67-66-3	<10		10	08/15/2023 04:39	S23081430.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 04:39	S23081430.D
1,1,1-Trichloroethane	71-55-6	**16**		10	08/15/2023 04:39	S23081430.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 04:39	S23081430.D
Benzene	71-43-2	**34**		25	08/15/2023 04:39	S23081430.D
Trichloroethene	79-01-6	<10		10	08/15/2023 04:39	S23081430.D
1,4-Dioxane	123-91-1	<10		10	08/15/2023 04:39	S23081430.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 04:39	S23081430.D
Toluene	108-88-3	<25		25	08/15/2023 04:39	S23081430.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 04:39	S23081430.D
Tetrachloroethene	127-18-4	<10		10	08/15/2023 04:39	S23081430.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 04:39	S23081430.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 04:39	S23081430.D
Ethylbenzene	100-41-4	<25		25	08/15/2023 04:39	S23081430.D
p & m-Xylene	179601-23-1	**61**		25	08/15/2023 04:39	S23081430.D
o-Xylene	95-47-6	<25		25	08/15/2023 04:39	S23081430.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 04:39	S23081430.D
Isopropylbenzene	98-82-8	<25		25	08/15/2023 04:39	S23081430.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/15/2023 04:39	S23081430.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/15/2023 04:39	S23081430.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 04:39	S23081430.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 04:39	S23081430.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 04:39	S23081430.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 04:39	S23081430.D
Naphthalene	91-20-3	<25		25	08/15/2023 04:39	S23081430.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/15/2023 04:39	S23081430.D
2-Methylnaphthalene	91-57-6	<25		25	08/15/2023 04:39	S23081430.D
∉ TPH C4-C9		<5,000		5,000	08/15/2023 04:39	S23081430.D
∉ TPH C10-C15		<5,000		5,000	08/15/2023 04:39	S23081430.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*79.2%*	*70-130*		*08/15/2023 04:39*	*S23081430.D*
Surrogate: Toluene-d8	2037-26-5	*103%*	*70-130*		*08/15/2023 04:39*	*S23081430.D*
Surrogate: Bromofluorobenzene	460-00-4	*101%*	*70-130*		*08/15/2023 04:39*	*S23081430.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-27

PSG-24

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/15/2023 05:07	S23081431.D
1,1-Dichloroethene	75-35-4	**13**		10	08/15/2023 05:07	S23081431.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 05:07	S23081431.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 05:07	S23081431.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/15/2023 05:07	S23081431.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/15/2023 05:07	S23081431.D
1,1-Dichloroethane	75-34-3	<10		10	08/15/2023 05:07	S23081431.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/15/2023 05:07	S23081431.D
Chloroform	67-66-3	<10		10	08/15/2023 05:07	S23081431.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 05:07	S23081431.D
1,1,1-Trichloroethane	71-55-6	**54**		10	08/15/2023 05:07	S23081431.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 05:07	S23081431.D
Benzene	71-43-2	**40**		25	08/15/2023 05:07	S23081431.D
Trichloroethene	79-01-6	<10		10	08/15/2023 05:07	S23081431.D
1,4-Dioxane	123-91-1	**13**		10	08/15/2023 05:07	S23081431.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 05:07	S23081431.D
Toluene	108-88-3	<25		25	08/15/2023 05:07	S23081431.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 05:07	S23081431.D
Tetrachloroethene	127-18-4	**91**		10	08/15/2023 05:07	S23081431.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 05:07	S23081431.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 05:07	S23081431.D
Ethylbenzene	100-41-4	<25		25	08/15/2023 05:07	S23081431.D
p & m-Xylene	179601-23-1	**44**		25	08/15/2023 05:07	S23081431.D
o-Xylene	95-47-6	<25		25	08/15/2023 05:07	S23081431.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 05:07	S23081431.D
Isopropylbenzene	98-82-8	<25		25	08/15/2023 05:07	S23081431.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/15/2023 05:07	S23081431.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/15/2023 05:07	S23081431.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 05:07	S23081431.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 05:07	S23081431.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 05:07	S23081431.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 05:07	S23081431.D
Naphthalene	91-20-3	<25		25	08/15/2023 05:07	S23081431.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/15/2023 05:07	S23081431.D
2-Methylnaphthalene	91-57-6	<25		25	08/15/2023 05:07	S23081431.D
∉ TPH C4-C9		<5,000		5,000	08/15/2023 05:07	S23081431.D
∉ **TPH C10-C15**		**7,430**		5,000	08/15/2023 05:07	S23081431.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*91.2%*	*70-130*		*08/15/2023 05:07*	*S23081431.D*
Surrogate: Toluene-d8	2037-26-5	*108%*	*70-130*		*08/15/2023 05:07*	*S23081431.D*
Surrogate: Bromofluorobenzene	460-00-4	*103%*	*70-130*		*08/15/2023 05:07*	*S23081431.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-28

PSG-25

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/15/2023 05:36	S23081432.D
1,1-Dichloroethene	75-35-4	**29**		10	08/15/2023 05:36	S23081432.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 05:36	S23081432.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 05:36	S23081432.D
trans-1,2-Dichloroethene	156-60-5	**31**		10	08/15/2023 05:36	S23081432.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/15/2023 05:36	S23081432.D
1,1-Dichloroethane	75-34-3	<10		10	08/15/2023 05:36	S23081432.D
cis-1,2-Dichloroethene	156-59-2	**151**		10	08/15/2023 05:36	S23081432.D
Chloroform	67-66-3	<10		10	08/15/2023 05:36	S23081432.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 05:36	S23081432.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/15/2023 05:36	S23081432.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 05:36	S23081432.D
Benzene	71-43-2	**850**		25	08/15/2023 05:36	S23081432.D
Trichloroethene	79-01-6	**4,610**		10	08/15/2023 05:36	S23081432.D
1,4-Dioxane	123-91-1	<10		10	08/15/2023 05:36	S23081432.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 05:36	S23081432.D
Toluene	108-88-3	**342**		25	08/15/2023 05:36	S23081432.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 05:36	S23081432.D
Tetrachloroethene	127-18-4	**9,720**		10	08/15/2023 05:36	S23081432.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 05:36	S23081432.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 05:36	S23081432.D
Ethylbenzene	100-41-4	**162**		25	08/15/2023 05:36	S23081432.D
p & m-Xylene	179601-23-1	**242**		25	08/15/2023 05:36	S23081432.D
o-Xylene	95-47-6	**138**		25	08/15/2023 05:36	S23081432.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 05:36	S23081432.D
Isopropylbenzene	98-82-8	**50**		25	08/15/2023 05:36	S23081432.D
1,3,5-Trimethylbenzene	108-67-8	**34**		25	08/15/2023 05:36	S23081432.D
1,2,4-Trimethylbenzene	95-63-6	**62**		25	08/15/2023 05:36	S23081432.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 05:36	S23081432.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 05:36	S23081432.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 05:36	S23081432.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 05:36	S23081432.D
Naphthalene	91-20-3	<25		25	08/15/2023 05:36	S23081432.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/15/2023 05:36	S23081432.D
2-Methylnaphthalene	91-57-6	<25		25	08/15/2023 05:36	S23081432.D
∉ **TPH C4-C9**		**83,500**		5,000	08/15/2023 05:36	S23081432.D
∉ **TPH C10-C15**		**33,000**		5,000	08/15/2023 05:36	S23081432.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*97.0%*	*70-130*		*08/15/2023 05:36*	*S23081432.D*
Surrogate: Toluene-d8	2037-26-5	*218%*	*70-130*	*S4*	*08/15/2023 05:36*	*S23081432.D*
Surrogate: Bromofluorobenzene	460-00-4	*112%*	*70-130*		*08/15/2023 05:36*	*S23081432.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-29

PSG-25-Dup

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/15/2023 06:04	S23081433.D
1,1-Dichloroethene	75-35-4	**19**		10	08/15/2023 06:04	S23081433.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 06:04	S23081433.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 06:04	S23081433.D
trans-1,2-Dichloroethene	156-60-5	**17**		10	08/15/2023 06:04	S23081433.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/15/2023 06:04	S23081433.D
1,1-Dichloroethane	75-34-3	<10		10	08/15/2023 06:04	S23081433.D
cis-1,2-Dichloroethene	156-59-2	**96**		10	08/15/2023 06:04	S23081433.D
Chloroform	67-66-3	<10		10	08/15/2023 06:04	S23081433.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 06:04	S23081433.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/15/2023 06:04	S23081433.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 06:04	S23081433.D
Benzene	71-43-2	**1,350**		25	08/15/2023 06:04	S23081433.D
Trichloroethene	79-01-6	**3,910**		10	08/15/2023 06:04	S23081433.D
1,4-Dioxane	123-91-1	<10		10	08/15/2023 06:04	S23081433.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 06:04	S23081433.D
Toluene	108-88-3	**425**		25	08/15/2023 06:04	S23081433.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 06:04	S23081433.D
Tetrachloroethene	127-18-4	**9,250**		10	08/15/2023 06:04	S23081433.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 06:04	S23081433.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 06:04	S23081433.D
Ethylbenzene	100-41-4	**140**		25	08/15/2023 06:04	S23081433.D
p & m-Xylene	179601-23-1	**179**		25	08/15/2023 06:04	S23081433.D
o-Xylene	95-47-6	**88**		25	08/15/2023 06:04	S23081433.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 06:04	S23081433.D
Isopropylbenzene	98-82-8	**39**		25	08/15/2023 06:04	S23081433.D
1,3,5-Trimethylbenzene	108-67-8	**29**		25	08/15/2023 06:04	S23081433.D
1,2,4-Trimethylbenzene	95-63-6	**50**		25	08/15/2023 06:04	S23081433.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 06:04	S23081433.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 06:04	S23081433.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 06:04	S23081433.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 06:04	S23081433.D
Naphthalene	91-20-3	<25		25	08/15/2023 06:04	S23081433.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/15/2023 06:04	S23081433.D
2-Methylnaphthalene	91-57-6	<25		25	08/15/2023 06:04	S23081433.D
∉ **TPH C4-C9**		**152,000**		5,000	08/15/2023 06:04	S23081433.D
∉ **TPH C10-C15**		**38,400**		5,000	08/15/2023 06:04	S23081433.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*129%*	*70-130*		*08/15/2023 06:04*	*S23081433.D*
Surrogate: Toluene-d8	2037-26-5	*266%*	*70-130*	*S4*	*08/15/2023 06:04*	*S23081433.D*
Surrogate: Bromofluorobenzene	460-00-4	*112%*	*70-130*		*08/15/2023 06:04*	*S23081433.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-30

PSG-26

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/15/2023 06:33	S23081434.D
1,1-Dichloroethene	75-35-4	<10		10	08/15/2023 06:33	S23081434.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 06:33	S23081434.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 06:33	S23081434.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/15/2023 06:33	S23081434.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/15/2023 06:33	S23081434.D
1,1-Dichloroethane	75-34-3	<10		10	08/15/2023 06:33	S23081434.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/15/2023 06:33	S23081434.D
Chloroform	67-66-3	<10		10	08/15/2023 06:33	S23081434.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 06:33	S23081434.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/15/2023 06:33	S23081434.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 06:33	S23081434.D
Benzene	71-43-2	**88**		25	08/15/2023 06:33	S23081434.D
Trichloroethene	79-01-6	<10		10	08/15/2023 06:33	S23081434.D
1,4-Dioxane	123-91-1	<10		10	08/15/2023 06:33	S23081434.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 06:33	S23081434.D
Toluene	108-88-3	**28**		25	08/15/2023 06:33	S23081434.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 06:33	S23081434.D
Tetrachloroethene	127-18-4	**43**		10	08/15/2023 06:33	S23081434.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 06:33	S23081434.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 06:33	S23081434.D
Ethylbenzene	100-41-4	**69**		25	08/15/2023 06:33	S23081434.D
p & m-Xylene	179601-23-1	**181**		25	08/15/2023 06:33	S23081434.D
o-Xylene	95-47-6	**116**		25	08/15/2023 06:33	S23081434.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 06:33	S23081434.D
Isopropylbenzene	98-82-8	<25		25	08/15/2023 06:33	S23081434.D
1,3,5-Trimethylbenzene	108-67-8	**40**		25	08/15/2023 06:33	S23081434.D
1,2,4-Trimethylbenzene	95-63-6	**64**		25	08/15/2023 06:33	S23081434.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 06:33	S23081434.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 06:33	S23081434.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 06:33	S23081434.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 06:33	S23081434.D
Naphthalene	91-20-3	<25		25	08/15/2023 06:33	S23081434.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/15/2023 06:33	S23081434.D
2-Methylnaphthalene	91-57-6	**25**		25	08/15/2023 06:33	S23081434.D
∉ **TPH C4-C9**		**47,200**		5,000	08/15/2023 06:33	S23081434.D
∉ **TPH C10-C15**		**16,900**		5,000	08/15/2023 06:33	S23081434.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*82.0%*	*70-130*		*08/15/2023 06:33*	*S23081434.D*
Surrogate: Toluene-d8	2037-26-5	*197%*	*70-130*	*S4*	*08/15/2023 06:33*	*S23081434.D*
Surrogate: Bromofluorobenzene	460-00-4	*101%*	*70-130*		*08/15/2023 06:33*	*S23081434.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-31

PSG-27

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/15/2023 07:03	S23081435.D
1,1-Dichloroethene	75-35-4	<10		10	08/15/2023 07:03	S23081435.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 07:03	S23081435.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 07:03	S23081435.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/15/2023 07:03	S23081435.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/15/2023 07:03	S23081435.D
1,1-Dichloroethane	75-34-3	<10		10	08/15/2023 07:03	S23081435.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/15/2023 07:03	S23081435.D
Chloroform	67-66-3	<10		10	08/15/2023 07:03	S23081435.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 07:03	S23081435.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/15/2023 07:03	S23081435.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 07:03	S23081435.D
Benzene	71-43-2	<25		25	08/15/2023 07:03	S23081435.D
Trichloroethene	79-01-6	<10		10	08/15/2023 07:03	S23081435.D
1,4-Dioxane	123-91-1	<10		10	08/15/2023 07:03	S23081435.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 07:03	S23081435.D
Toluene	108-88-3	**26**		25	08/15/2023 07:03	S23081435.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 07:03	S23081435.D
Tetrachloroethene	127-18-4	**10**		10	08/15/2023 07:03	S23081435.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 07:03	S23081435.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 07:03	S23081435.D
Ethylbenzene	100-41-4	<25		25	08/15/2023 07:03	S23081435.D
p & m-Xylene	179601-23-1	**73**		25	08/15/2023 07:03	S23081435.D
o-Xylene	95-47-6	**36**		25	08/15/2023 07:03	S23081435.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 07:03	S23081435.D
Isopropylbenzene	98-82-8	<25		25	08/15/2023 07:03	S23081435.D
1,3,5-Trimethylbenzene	108-67-8	**48**		25	08/15/2023 07:03	S23081435.D
1,2,4-Trimethylbenzene	95-63-6	**144**		25	08/15/2023 07:03	S23081435.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 07:03	S23081435.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 07:03	S23081435.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 07:03	S23081435.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 07:03	S23081435.D
Naphthalene	91-20-3	<25		25	08/15/2023 07:03	S23081435.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/15/2023 07:03	S23081435.D
2-Methylnaphthalene	91-57-6	<25		25	08/15/2023 07:03	S23081435.D
∉ TPH C4-C9		<5,000		5,000	08/15/2023 07:03	S23081435.D
∉ **TPH C10-C15**		**5,000**		5,000	08/15/2023 07:03	S23081435.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*79.8%*	*70-130*		*08/15/2023 07:03*	*S23081435.D*
Surrogate: Toluene-d8	2037-26-5	*102%*	*70-130*		*08/15/2023 07:03*	*S23081435.D*
Surrogate: Bromofluorobenzene	460-00-4	*102%*	*70-130*		*08/15/2023 07:03*	*S23081435.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-32

PSG-28

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/15/2023 07:31	S23081436.D
1,1-Dichloroethene	75-35-4	<10		10	08/15/2023 07:31	S23081436.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 07:31	S23081436.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 07:31	S23081436.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/15/2023 07:31	S23081436.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/15/2023 07:31	S23081436.D
1,1-Dichloroethane	75-34-3	<10		10	08/15/2023 07:31	S23081436.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/15/2023 07:31	S23081436.D
Chloroform	67-66-3	<10		10	08/15/2023 07:31	S23081436.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 07:31	S23081436.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/15/2023 07:31	S23081436.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 07:31	S23081436.D
Benzene	71-43-2	**29**		25	08/15/2023 07:31	S23081436.D
Trichloroethene	79-01-6	<10		10	08/15/2023 07:31	S23081436.D
1,4-Dioxane	123-91-1	<10		10	08/15/2023 07:31	S23081436.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 07:31	S23081436.D
Toluene	108-88-3	<25		25	08/15/2023 07:31	S23081436.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 07:31	S23081436.D
Tetrachloroethene	127-18-4	**84**		10	08/15/2023 07:31	S23081436.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 07:31	S23081436.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 07:31	S23081436.D
Ethylbenzene	100-41-4	<25		25	08/15/2023 07:31	S23081436.D
p & m-Xylene	179601-23-1	<25		25	08/15/2023 07:31	S23081436.D
o-Xylene	95-47-6	<25		25	08/15/2023 07:31	S23081436.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 07:31	S23081436.D
Isopropylbenzene	98-82-8	**26**		25	08/15/2023 07:31	S23081436.D
1,3,5-Trimethylbenzene	108-67-8	**38**		25	08/15/2023 07:31	S23081436.D
1,2,4-Trimethylbenzene	95-63-6	**91**		25	08/15/2023 07:31	S23081436.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 07:31	S23081436.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 07:31	S23081436.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 07:31	S23081436.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 07:31	S23081436.D
Naphthalene	91-20-3	<25		25	08/15/2023 07:31	S23081436.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/15/2023 07:31	S23081436.D
2-Methylnaphthalene	91-57-6	<25		25	08/15/2023 07:31	S23081436.D
∉ TPH C4-C9		<5,000		5,000	08/15/2023 07:31	S23081436.D
∉ **TPH C10-C15**		**5,900**		5,000	08/15/2023 07:31	S23081436.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*85.2%*	*70-130*		*08/15/2023 07:31*	*S23081436.D*
Surrogate: Toluene-d8	2037-26-5	*99.3%*	*70-130*		*08/15/2023 07:31*	*S23081436.D*
Surrogate: Bromofluorobenzene	460-00-4	*104%*	*70-130*		*08/15/2023 07:31*	*S23081436.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-33

PSG-29

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/15/2023 11:41	S23081445.D
1,1-Dichloroethene	75-35-4	<10		10	08/15/2023 11:41	S23081445.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 11:41	S23081445.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 11:41	S23081445.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/15/2023 11:41	S23081445.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/15/2023 11:41	S23081445.D
1,1-Dichloroethane	75-34-3	<10		10	08/15/2023 11:41	S23081445.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/15/2023 11:41	S23081445.D
Chloroform	67-66-3	<10		10	08/15/2023 11:41	S23081445.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 11:41	S23081445.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/15/2023 11:41	S23081445.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 11:41	S23081445.D
Benzene	71-43-2	<25		25	08/15/2023 11:41	S23081445.D
Trichloroethene	79-01-6	<10		10	08/15/2023 11:41	S23081445.D
1,4-Dioxane	123-91-1	<10		10	08/15/2023 11:41	S23081445.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 11:41	S23081445.D
Toluene	108-88-3	**52**		25	08/15/2023 11:41	S23081445.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 11:41	S23081445.D
Tetrachloroethene	127-18-4	<10		10	08/15/2023 11:41	S23081445.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 11:41	S23081445.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 11:41	S23081445.D
Ethylbenzene	100-41-4	<25		25	08/15/2023 11:41	S23081445.D
p & m-Xylene	179601-23-1	**183**		25	08/15/2023 11:41	S23081445.D
o-Xylene	95-47-6	**93**		25	08/15/2023 11:41	S23081445.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 11:41	S23081445.D
Isopropylbenzene	98-82-8	**591**		25	08/15/2023 11:41	S23081445.D
1,3,5-Trimethylbenzene	108-67-8	**749**		25	08/15/2023 11:41	S23081445.D
1,2,4-Trimethylbenzene	95-63-6	**1,210**	D	480	08/15/2023 13:54	S23081448.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 11:41	S23081445.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 11:41	S23081445.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 11:41	S23081445.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 11:41	S23081445.D
Naphthalene	91-20-3	**65**		25	08/15/2023 11:41	S23081445.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/15/2023 11:41	S23081445.D
2-Methylnaphthalene	91-57-6	<25		25	08/15/2023 11:41	S23081445.D
∈ **TPH C4-C9**		**32,000**		5,000	08/15/2023 11:41	S23081445.D
∈ **TPH C10-C15**		**26,000**		5,000	08/15/2023 11:41	S23081445.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*90.2%*	*70-130*		*08/15/2023 11:41*	*S23081445.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*92.2%*	*70-130*		*08/15/2023 13:54*	*S23081448.D*
Surrogate: Toluene-d8	2037-26-5	*106%*	*70-130*		*08/15/2023 13:54*	*S23081448.D*
Surrogate: Toluene-d8	2037-26-5	*177%*	*70-130*	*S4*	*08/15/2023 11:41*	*S23081445.D*
Surrogate: Bromofluorobenzene	460-00-4	*107%*	*70-130*		*08/15/2023 11:41*	*S23081445.D*
Surrogate: Bromofluorobenzene	460-00-4	*99.1%*	*70-130*		*08/15/2023 13:54*	*S23081448.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-34

PSG-30

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/15/2023 08:18	S23081438.D
1,1-Dichloroethene	75-35-4	<10		10	08/15/2023 08:18	S23081438.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 08:18	S23081438.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 08:18	S23081438.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/15/2023 08:18	S23081438.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/15/2023 08:18	S23081438.D
1,1-Dichloroethane	75-34-3	<10		10	08/15/2023 08:18	S23081438.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/15/2023 08:18	S23081438.D
Chloroform	67-66-3	<10		10	08/15/2023 08:18	S23081438.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 08:18	S23081438.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/15/2023 08:18	S23081438.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 08:18	S23081438.D
Benzene	71-43-2	**81**		25	08/15/2023 08:18	S23081438.D
Trichloroethene	79-01-6	<10		10	08/15/2023 08:18	S23081438.D
1,4-Dioxane	123-91-1	<10		10	08/15/2023 08:18	S23081438.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 08:18	S23081438.D
Toluene	108-88-3	**33**		25	08/15/2023 08:18	S23081438.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 08:18	S23081438.D
Tetrachloroethene	127-18-4	<10		10	08/15/2023 08:18	S23081438.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 08:18	S23081438.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 08:18	S23081438.D
Ethylbenzene	100-41-4	<25		25	08/15/2023 08:18	S23081438.D
p & m-Xylene	179601-23-1	<25		25	08/15/2023 08:18	S23081438.D
o-Xylene	95-47-6	<25		25	08/15/2023 08:18	S23081438.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 08:18	S23081438.D
Isopropylbenzene	98-82-8	<25		25	08/15/2023 08:18	S23081438.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/15/2023 08:18	S23081438.D
1,2,4-Trimethylbenzene	95-63-6	**57**		25	08/15/2023 08:18	S23081438.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 08:18	S23081438.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 08:18	S23081438.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 08:18	S23081438.D
1,2,4-Trichlorobenzene	120-82-1	**261**		10	08/15/2023 08:18	S23081438.D
Naphthalene	91-20-3	**31**		25	08/15/2023 08:18	S23081438.D
1,2,3-Trichlorobenzene	87-61-6	**104**		10	08/15/2023 08:18	S23081438.D
2-Methylnaphthalene	91-57-6	**33**		25	08/15/2023 08:18	S23081438.D
∉ TPH C4-C9		<5,000		5,000	08/15/2023 08:18	S23081438.D
∉ **TPH C10-C15**		**64,800**		5,000	08/15/2023 08:18	S23081438.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*88.0%*	*70-130*		*08/15/2023 08:18*	*S23081438.D*
Surrogate: Toluene-d8	2037-26-5	*98.5%*	*70-130*		*08/15/2023 08:18*	*S23081438.D*
Surrogate: Bromofluorobenzene	460-00-4	*104%*	*70-130*		*08/15/2023 08:18*	*S23081438.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-35

PSG-31

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	**15**		10	08/15/2023 08:46	S23081439.D
1,1-Dichloroethene	75-35-4	**45**		10	08/15/2023 08:46	S23081439.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 08:46	S23081439.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 08:46	S23081439.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/15/2023 08:46	S23081439.D
Methyl-t-butyl ether	1634-04-4	**48**		25	08/15/2023 08:46	S23081439.D
1,1-Dichloroethane	75-34-3	**162**		10	08/15/2023 08:46	S23081439.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/15/2023 08:46	S23081439.D
Chloroform	67-66-3	<10		10	08/15/2023 08:46	S23081439.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 08:46	S23081439.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/15/2023 08:46	S23081439.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 08:46	S23081439.D
Benzene	71-43-2	**258**		25	08/15/2023 08:46	S23081439.D
Trichloroethene	79-01-6	<10		10	08/15/2023 08:46	S23081439.D
1,4-Dioxane	123-91-1	<10		10	08/15/2023 08:46	S23081439.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 08:46	S23081439.D
Toluene	108-88-3	**153**		25	08/15/2023 08:46	S23081439.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 08:46	S23081439.D
Tetrachloroethene	127-18-4	<10		10	08/15/2023 08:46	S23081439.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 08:46	S23081439.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 08:46	S23081439.D
Ethylbenzene	100-41-4	**37**		25	08/15/2023 08:46	S23081439.D
p & m-Xylene	179601-23-1	**63**		25	08/15/2023 08:46	S23081439.D
o-Xylene	95-47-6	**61**		25	08/15/2023 08:46	S23081439.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 08:46	S23081439.D
Isopropylbenzene	98-82-8	<25		25	08/15/2023 08:46	S23081439.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/15/2023 08:46	S23081439.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/15/2023 08:46	S23081439.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 08:46	S23081439.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 08:46	S23081439.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 08:46	S23081439.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 08:46	S23081439.D
Naphthalene	91-20-3	**513**		25	08/15/2023 08:46	S23081439.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/15/2023 08:46	S23081439.D
2-Methylnaphthalene	91-57-6	**812**		25	08/15/2023 08:46	S23081439.D
∉ **TPH C4-C9**		**57,700**		5,000	08/15/2023 08:46	S23081439.D
∉ **TPH C10-C15**		**427,000**		5,000	08/15/2023 08:46	S23081439.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*90.4%*	*70-130*		*08/15/2023 08:46*	*S23081439.D*
Surrogate: Toluene-d8	2037-26-5	*104%*	*70-130*		*08/15/2023 08:46*	*S23081439.D*
Surrogate: Bromofluorobenzene	460-00-4	*105%*	*70-130*		*08/15/2023 08:46*	*S23081439.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-36

PSG-32

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	**12**		10	08/15/2023 09:16	S23081440.D
1,1-Dichloroethene	75-35-4	**28**		10	08/15/2023 09:16	S23081440.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 09:16	S23081440.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 09:16	S23081440.D
trans-1,2-Dichloroethene	156-60-5	**70**		10	08/15/2023 09:16	S23081440.D
Methyl-t-butyl ether	1634-04-4	**28**		25	08/15/2023 09:16	S23081440.D
1,1-Dichloroethane	75-34-3	**41**		10	08/15/2023 09:16	S23081440.D
cis-1,2-Dichloroethene	156-59-2	**274**		10	08/15/2023 09:16	S23081440.D
Chloroform	67-66-3	<10		10	08/15/2023 09:16	S23081440.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 09:16	S23081440.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/15/2023 09:16	S23081440.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 09:16	S23081440.D
Benzene	71-43-2	**313**		25	08/15/2023 09:16	S23081440.D
Trichloroethene	79-01-6	**24**		10	08/15/2023 09:16	S23081440.D
1,4-Dioxane	123-91-1	<10		10	08/15/2023 09:16	S23081440.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 09:16	S23081440.D
Toluene	108-88-3	**62**		25	08/15/2023 09:16	S23081440.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 09:16	S23081440.D
Tetrachloroethene	127-18-4	<10		10	08/15/2023 09:16	S23081440.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 09:16	S23081440.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 09:16	S23081440.D
Ethylbenzene	100-41-4	<25		25	08/15/2023 09:16	S23081440.D
p & m-Xylene	179601-23-1	**59**		25	08/15/2023 09:16	S23081440.D
o-Xylene	95-47-6	**34**		25	08/15/2023 09:16	S23081440.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 09:16	S23081440.D
Isopropylbenzene	98-82-8	**130**		25	08/15/2023 09:16	S23081440.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/15/2023 09:16	S23081440.D
1,2,4-Trimethylbenzene	95-63-6	**29**		25	08/15/2023 09:16	S23081440.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 09:16	S23081440.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 09:16	S23081440.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 09:16	S23081440.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 09:16	S23081440.D
Naphthalene	91-20-3	**65**		25	08/15/2023 09:16	S23081440.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/15/2023 09:16	S23081440.D
2-Methylnaphthalene	91-57-6	**32**		25	08/15/2023 09:16	S23081440.D
∉ **TPH C4-C9**		**25,200**		5,000	08/15/2023 09:16	S23081440.D
∉ **TPH C10-C15**		**80,200**		5,000	08/15/2023 09:16	S23081440.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*88.4%*	*70-130*		*08/15/2023 09:16*	*S23081440.D*
Surrogate: Toluene-d8	2037-26-5	*111%*	*70-130*		*08/15/2023 09:16*	*S23081440.D*
Surrogate: Bromofluorobenzene	460-00-4	*103%*	*70-130*		*08/15/2023 09:16*	*S23081440.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-37

PSG-33

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/15/2023 09:45	S23081441.D
1,1-Dichloroethene	75-35-4	<10		10	08/15/2023 09:45	S23081441.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 09:45	S23081441.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 09:45	S23081441.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/15/2023 09:45	S23081441.D
Methyl-t-butyl ether	1634-04-4	**37**		25	08/15/2023 09:45	S23081441.D
1,1-Dichloroethane	75-34-3	**37**		10	08/15/2023 09:45	S23081441.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/15/2023 09:45	S23081441.D
Chloroform	67-66-3	<10		10	08/15/2023 09:45	S23081441.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 09:45	S23081441.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/15/2023 09:45	S23081441.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 09:45	S23081441.D
Benzene	71-43-2	**89**		25	08/15/2023 09:45	S23081441.D
Trichloroethene	79-01-6	**11**		10	08/15/2023 09:45	S23081441.D
1,4-Dioxane	123-91-1	<10		10	08/15/2023 09:45	S23081441.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 09:45	S23081441.D
Toluene	108-88-3	**38**		25	08/15/2023 09:45	S23081441.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 09:45	S23081441.D
Tetrachloroethene	127-18-4	**63**		10	08/15/2023 09:45	S23081441.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 09:45	S23081441.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 09:45	S23081441.D
Ethylbenzene	100-41-4	<25		25	08/15/2023 09:45	S23081441.D
p & m-Xylene	179601-23-1	**34**		25	08/15/2023 09:45	S23081441.D
o-Xylene	95-47-6	<25		25	08/15/2023 09:45	S23081441.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 09:45	S23081441.D
Isopropylbenzene	98-82-8	<25		25	08/15/2023 09:45	S23081441.D
1,3,5-Trimethylbenzene	108-67-8	**30**		25	08/15/2023 09:45	S23081441.D
1,2,4-Trimethylbenzene	95-63-6	**43**		25	08/15/2023 09:45	S23081441.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 09:45	S23081441.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 09:45	S23081441.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 09:45	S23081441.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 09:45	S23081441.D
Naphthalene	91-20-3	<25		25	08/15/2023 09:45	S23081441.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/15/2023 09:45	S23081441.D
2-Methylnaphthalene	91-57-6	<25		25	08/15/2023 09:45	S23081441.D
∉ **TPH C4-C9**		**5,790**		5,000	08/15/2023 09:45	S23081441.D
∉ **TPH C10-C15**		**12,300**		5,000	08/15/2023 09:45	S23081441.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*91.1%*	*70-130*		*08/15/2023 09:45*	*S23081441.D*
Surrogate: Toluene-d8	2037-26-5	*102%*	*70-130*		*08/15/2023 09:45*	*S23081441.D*
Surrogate: Bromofluorobenzene	460-00-4	*106%*	*70-130*		*08/15/2023 09:45*	*S23081441.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-38

PSG-34

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	**18**		10	08/15/2023 10:13	S23081442.D
1,1-Dichloroethene	75-35-4	**97**		10	08/15/2023 10:13	S23081442.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 10:13	S23081442.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 10:13	S23081442.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/15/2023 10:13	S23081442.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/15/2023 10:13	S23081442.D
1,1-Dichloroethane	75-34-3	**73**		10	08/15/2023 10:13	S23081442.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/15/2023 10:13	S23081442.D
Chloroform	67-66-3	<10		10	08/15/2023 10:13	S23081442.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 10:13	S23081442.D
1,1,1-Trichloroethane	71-55-6	**159**		10	08/15/2023 10:13	S23081442.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 10:13	S23081442.D
Benzene	71-43-2	<25		25	08/15/2023 10:13	S23081442.D
Trichloroethene	79-01-6	<10		10	08/15/2023 10:13	S23081442.D
1,4-Dioxane	123-91-1	<10		10	08/15/2023 10:13	S23081442.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 10:13	S23081442.D
Toluene	108-88-3	<25		25	08/15/2023 10:13	S23081442.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 10:13	S23081442.D
Tetrachloroethene	127-18-4	<10		10	08/15/2023 10:13	S23081442.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 10:13	S23081442.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 10:13	S23081442.D
Ethylbenzene	100-41-4	**50**		25	08/15/2023 10:13	S23081442.D
p & m-Xylene	179601-23-1	**281**		25	08/15/2023 10:13	S23081442.D
o-Xylene	95-47-6	**109**		25	08/15/2023 10:13	S23081442.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 10:13	S23081442.D
Isopropylbenzene	98-82-8	<25		25	08/15/2023 10:13	S23081442.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/15/2023 10:13	S23081442.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/15/2023 10:13	S23081442.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 10:13	S23081442.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 10:13	S23081442.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 10:13	S23081442.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 10:13	S23081442.D
Naphthalene	91-20-3	**38**		25	08/15/2023 10:13	S23081442.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/15/2023 10:13	S23081442.D
2-Methylnaphthalene	91-57-6	<25		25	08/15/2023 10:13	S23081442.D
∉ TPH C4-C9		<5,000		5,000	08/15/2023 10:13	S23081442.D
∉ TPH C10-C15		<5,000		5,000	08/15/2023 10:13	S23081442.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*81.0%*	*70-130*		*08/15/2023 10:13*	*S23081442.D*
Surrogate: Toluene-d8	2037-26-5	*99.6%*	*70-130*		*08/15/2023 10:13*	*S23081442.D*
Surrogate: Bromofluorobenzene	460-00-4	*103%*	*70-130*		*08/15/2023 10:13*	*S23081442.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-39

PSG-35

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/15/2023 10:42	S23081443.D
1,1-Dichloroethene	75-35-4	<10		10	08/15/2023 10:42	S23081443.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 10:42	S23081443.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 10:42	S23081443.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/15/2023 10:42	S23081443.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/15/2023 10:42	S23081443.D
1,1-Dichloroethane	75-34-3	<10		10	08/15/2023 10:42	S23081443.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/15/2023 10:42	S23081443.D
Chloroform	67-66-3	<10		10	08/15/2023 10:42	S23081443.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 10:42	S23081443.D
1,1,1-Trichloroethane	71-55-6	**296**		10	08/15/2023 10:42	S23081443.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 10:42	S23081443.D
Benzene	71-43-2	**179**		25	08/15/2023 10:42	S23081443.D
Trichloroethene	79-01-6	**21**		10	08/15/2023 10:42	S23081443.D
1,4-Dioxane	123-91-1	<10		10	08/15/2023 10:42	S23081443.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 10:42	S23081443.D
Toluene	108-88-3	**165**		25	08/15/2023 10:42	S23081443.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 10:42	S23081443.D
Tetrachloroethene	127-18-4	**122**		10	08/15/2023 10:42	S23081443.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 10:42	S23081443.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 10:42	S23081443.D
Ethylbenzene	100-41-4	**47**		25	08/15/2023 10:42	S23081443.D
p & m-Xylene	179601-23-1	**123**		25	08/15/2023 10:42	S23081443.D
o-Xylene	95-47-6	**75**		25	08/15/2023 10:42	S23081443.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 10:42	S23081443.D
Isopropylbenzene	98-82-8	<25		25	08/15/2023 10:42	S23081443.D
1,3,5-Trimethylbenzene	108-67-8	**30**		25	08/15/2023 10:42	S23081443.D
1,2,4-Trimethylbenzene	95-63-6	**67**		25	08/15/2023 10:42	S23081443.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 10:42	S23081443.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 10:42	S23081443.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 10:42	S23081443.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 10:42	S23081443.D
Naphthalene	91-20-3	**45**		25	08/15/2023 10:42	S23081443.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/15/2023 10:42	S23081443.D
2-Methylnaphthalene	91-57-6	**39**		25	08/15/2023 10:42	S23081443.D
∉ **TPH C4-C9**		**71,200**		5,000	08/15/2023 10:42	S23081443.D
∉ **TPH C10-C15**		**55,100**		5,000	08/15/2023 10:42	S23081443.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*104%*	*70-130*		*08/15/2023 10:42*	*S23081443.D*
Surrogate: Toluene-d8	2037-26-5	*189%*	*70-130*	*S4*	*08/15/2023 10:42*	*S23081443.D*
Surrogate: Bromofluorobenzene	460-00-4	*93.9%*	*70-130*		*08/15/2023 10:42*	*S23081443.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-40

PSG-35-Dup

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/15/2023 11:11	S23081444.D
1,1-Dichloroethene	75-35-4	**15**		10	08/15/2023 11:11	S23081444.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 11:11	S23081444.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 11:11	S23081444.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/15/2023 11:11	S23081444.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/15/2023 11:11	S23081444.D
1,1-Dichloroethane	75-34-3	<10		10	08/15/2023 11:11	S23081444.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/15/2023 11:11	S23081444.D
Chloroform	67-66-3	<10		10	08/15/2023 11:11	S23081444.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 11:11	S23081444.D
1,1,1-Trichloroethane	71-55-6	**199**		10	08/15/2023 11:11	S23081444.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 11:11	S23081444.D
Benzene	71-43-2	**159**		25	08/15/2023 11:11	S23081444.D
Trichloroethene	79-01-6	**23**		10	08/15/2023 11:11	S23081444.D
1,4-Dioxane	123-91-1	<10		10	08/15/2023 11:11	S23081444.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 11:11	S23081444.D
Toluene	108-88-3	**149**		25	08/15/2023 11:11	S23081444.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 11:11	S23081444.D
Tetrachloroethene	127-18-4	**64**		10	08/15/2023 11:11	S23081444.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 11:11	S23081444.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 11:11	S23081444.D
Ethylbenzene	100-41-4	**36**		25	08/15/2023 11:11	S23081444.D
p & m-Xylene	179601-23-1	**105**		25	08/15/2023 11:11	S23081444.D
o-Xylene	95-47-6	**65**		25	08/15/2023 11:11	S23081444.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 11:11	S23081444.D
Isopropylbenzene	98-82-8	<25		25	08/15/2023 11:11	S23081444.D
1,3,5-Trimethylbenzene	108-67-8	**34**		25	08/15/2023 11:11	S23081444.D
1,2,4-Trimethylbenzene	95-63-6	**68**		25	08/15/2023 11:11	S23081444.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 11:11	S23081444.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 11:11	S23081444.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 11:11	S23081444.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 11:11	S23081444.D
Naphthalene	91-20-3	**44**		25	08/15/2023 11:11	S23081444.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/15/2023 11:11	S23081444.D
2-Methylnaphthalene	91-57-6	**36**		25	08/15/2023 11:11	S23081444.D
∉ **TPH C4-C9**		**59,400**		5,000	08/15/2023 11:11	S23081444.D
∉ **TPH C10-C15**		**44,100**		5,000	08/15/2023 11:11	S23081444.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*77.9%*	*70-130*		*08/15/2023 11:11*	*S23081444.D*
Surrogate: Toluene-d8	2037-26-5	*168%*	*70-130*	*S4*	*08/15/2023 11:11*	*S23081444.D*
Surrogate: Bromofluorobenzene	460-00-4	*99.1%*	*70-130*		*08/15/2023 11:11*	*S23081444.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-41

PSG-36

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	**81**		10	08/15/2023 23:08	S23081519.D
1,1-Dichloroethene	75-35-4	**135**		10	08/15/2023 23:08	S23081519.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 23:08	S23081519.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 23:08	S23081519.D
trans-1,2-Dichloroethene	156-60-5	**30**		10	08/15/2023 23:08	S23081519.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/15/2023 23:08	S23081519.D
1,1-Dichloroethane	75-34-3	<10		10	08/15/2023 23:08	S23081519.D
cis-1,2-Dichloroethene	156-59-2	**288**		10	08/15/2023 23:08	S23081519.D
Chloroform	67-66-3	<10		10	08/15/2023 23:08	S23081519.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 23:08	S23081519.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/15/2023 23:08	S23081519.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 23:08	S23081519.D
Benzene	71-43-2	**406**		25	08/15/2023 23:08	S23081519.D
Trichloroethene	79-01-6	**243**		10	08/15/2023 23:08	S23081519.D
1,4-Dioxane	123-91-1	<10		10	08/15/2023 23:08	S23081519.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 23:08	S23081519.D
Toluene	108-88-3	**334**		25	08/15/2023 23:08	S23081519.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 23:08	S23081519.D
Tetrachloroethene	127-18-4	**114**		10	08/15/2023 23:08	S23081519.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 23:08	S23081519.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 23:08	S23081519.D
Ethylbenzene	100-41-4	**141**		25	08/15/2023 23:08	S23081519.D
p & m-Xylene	179601-23-1	**409**		25	08/15/2023 23:08	S23081519.D
o-Xylene	95-47-6	**267**		25	08/15/2023 23:08	S23081519.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 23:08	S23081519.D
Isopropylbenzene	98-82-8	**132**		25	08/15/2023 23:08	S23081519.D
1,3,5-Trimethylbenzene	108-67-8	**424**		25	08/15/2023 23:08	S23081519.D
1,2,4-Trimethylbenzene	95-63-6	**518**		25	08/15/2023 23:08	S23081519.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 23:08	S23081519.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 23:08	S23081519.D
1,2-Dichlorobenzene	95-50-1	**23**		10	08/15/2023 23:08	S23081519.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 23:08	S23081519.D
Naphthalene	91-20-3	**110**		25	08/15/2023 23:08	S23081519.D
1,2,3-Trichlorobenzene	87-61-6	**17**		10	08/15/2023 23:08	S23081519.D
2-Methylnaphthalene	91-57-6	**132**		25	08/15/2023 23:08	S23081519.D
∉ **TPH C4-C9**		**155,000**		5,000	08/15/2023 23:08	S23081519.D
∉ **TPH C10-C15**		**64,800**		5,000	08/15/2023 23:08	S23081519.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*107%*	*70-130*		*08/15/2023 23:08*	*S23081519.D*
Surrogate: Toluene-d8	2037-26-5	*446%*	*70-130*	*S4*	*08/15/2023 23:08*	*S23081519.D*
Surrogate: Bromofluorobenzene	460-00-4	*95.3%*	*70-130*		*08/15/2023 23:08*	*S23081519.D*

BEACON ENVIRONMENTAL

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Forest Hill, MD 21050 USA
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-42

PSG-37

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/15/2023 23:39	S23081520.D
1,1-Dichloroethene	75-35-4	**11**		10	08/15/2023 23:39	S23081520.D
Methylene Chloride	75-09-2	<10		10	08/15/2023 23:39	S23081520.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/15/2023 23:39	S23081520.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/15/2023 23:39	S23081520.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/15/2023 23:39	S23081520.D
1,1-Dichloroethane	75-34-3	**15**		10	08/15/2023 23:39	S23081520.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/15/2023 23:39	S23081520.D
Chloroform	67-66-3	<10		10	08/15/2023 23:39	S23081520.D
1,2-Dichloroethane	107-06-2	<10		10	08/15/2023 23:39	S23081520.D
1,1,1-Trichloroethane	71-55-6	**21**		10	08/15/2023 23:39	S23081520.D
Carbon Tetrachloride	56-23-5	<10		10	08/15/2023 23:39	S23081520.D
Benzene	71-43-2	**70**		25	08/15/2023 23:39	S23081520.D
Trichloroethene	79-01-6	<10		10	08/15/2023 23:39	S23081520.D
1,4-Dioxane	123-91-1	<10		10	08/15/2023 23:39	S23081520.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/15/2023 23:39	S23081520.D
Toluene	108-88-3	**31**		25	08/15/2023 23:39	S23081520.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/15/2023 23:39	S23081520.D
Tetrachloroethene	127-18-4	<10		10	08/15/2023 23:39	S23081520.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/15/2023 23:39	S23081520.D
Chlorobenzene	108-90-7	<10		10	08/15/2023 23:39	S23081520.D
Ethylbenzene	100-41-4	**35**		25	08/15/2023 23:39	S23081520.D
p & m-Xylene	179601-23-1	**153**		25	08/15/2023 23:39	S23081520.D
o-Xylene	95-47-6	**71**		25	08/15/2023 23:39	S23081520.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/15/2023 23:39	S23081520.D
Isopropylbenzene	98-82-8	<25		25	08/15/2023 23:39	S23081520.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/15/2023 23:39	S23081520.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/15/2023 23:39	S23081520.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/15/2023 23:39	S23081520.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/15/2023 23:39	S23081520.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/15/2023 23:39	S23081520.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/15/2023 23:39	S23081520.D
Naphthalene	91-20-3	<25		25	08/15/2023 23:39	S23081520.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/15/2023 23:39	S23081520.D
2-Methylnaphthalene	91-57-6	<25		25	08/15/2023 23:39	S23081520.D
∉ **TPH C4-C9**		**5,090**		5,000	08/15/2023 23:39	S23081520.D
∉ **TPH C10-C15**		**8,560**		5,000	08/15/2023 23:39	S23081520.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*87.5%*	*70-130*		*08/15/2023 23:39*	*S23081520.D*
Surrogate: Toluene-d8	2037-26-5	*109%*	*70-130*		*08/15/2023 23:39*	*S23081520.D*
Surrogate: Bromofluorobenzene	460-00-4	*101%*	*70-130*		*08/15/2023 23:39*	*S23081520.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-43

PSG-38

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/16/2023 00:08	S23081521.D
1,1-Dichloroethene	75-35-4	<10		10	08/16/2023 00:08	S23081521.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 00:08	S23081521.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 00:08	S23081521.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 00:08	S23081521.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 00:08	S23081521.D
1,1-Dichloroethane	75-34-3	<10		10	08/16/2023 00:08	S23081521.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/16/2023 00:08	S23081521.D
Chloroform	67-66-3	<10		10	08/16/2023 00:08	S23081521.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 00:08	S23081521.D
1,1,1-Trichloroethane	71-55-6	**17**		10	08/16/2023 00:08	S23081521.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 00:08	S23081521.D
Benzene	71-43-2	**114**		25	08/16/2023 00:08	S23081521.D
Trichloroethene	79-01-6	<10		10	08/16/2023 00:08	S23081521.D
1,4-Dioxane	123-91-1	<10		10	08/16/2023 00:08	S23081521.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 00:08	S23081521.D
Toluene	108-88-3	**52**		25	08/16/2023 00:08	S23081521.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 00:08	S23081521.D
Tetrachloroethene	127-18-4	<10		10	08/16/2023 00:08	S23081521.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 00:08	S23081521.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 00:08	S23081521.D
Ethylbenzene	100-41-4	<25		25	08/16/2023 00:08	S23081521.D
p & m-Xylene	179601-23-1	**83**		25	08/16/2023 00:08	S23081521.D
o-Xylene	95-47-6	**52**		25	08/16/2023 00:08	S23081521.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 00:08	S23081521.D
Isopropylbenzene	98-82-8	**28**		25	08/16/2023 00:08	S23081521.D
1,3,5-Trimethylbenzene	108-67-8	**81**		25	08/16/2023 00:08	S23081521.D
1,2,4-Trimethylbenzene	95-63-6	**103**		25	08/16/2023 00:08	S23081521.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 00:08	S23081521.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 00:08	S23081521.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 00:08	S23081521.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 00:08	S23081521.D
Naphthalene	91-20-3	**33**		25	08/16/2023 00:08	S23081521.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 00:08	S23081521.D
2-Methylnaphthalene	91-57-6	**32**		25	08/16/2023 00:08	S23081521.D
∉ **TPH C4-C9**		**22,800**		5,000	08/16/2023 00:08	S23081521.D
∉ **TPH C10-C15**		**49,800**		5,000	08/16/2023 00:08	S23081521.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*95.2%*	*70-130*		*08/16/2023 00:08*	*S23081521.D*
Surrogate: Toluene-d8	2037-26-5	*133%*	*70-130*	*S4*	*08/16/2023 00:08*	*S23081521.D*
Surrogate: Bromofluorobenzene	460-00-4	*105%*	*70-130*		*08/16/2023 00:08*	*S23081521.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-44

PSG-39

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/16/2023 00:36	S23081522.D
1,1-Dichloroethene	75-35-4	<10		10	08/16/2023 00:36	S23081522.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 00:36	S23081522.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 00:36	S23081522.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 00:36	S23081522.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 00:36	S23081522.D
1,1-Dichloroethane	75-34-3	<10		10	08/16/2023 00:36	S23081522.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/16/2023 00:36	S23081522.D
Chloroform	67-66-3	<10		10	08/16/2023 00:36	S23081522.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 00:36	S23081522.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/16/2023 00:36	S23081522.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 00:36	S23081522.D
Benzene	71-43-2	**90**		25	08/16/2023 00:36	S23081522.D
Trichloroethene	79-01-6	<10		10	08/16/2023 00:36	S23081522.D
1,4-Dioxane	123-91-1	<10		10	08/16/2023 00:36	S23081522.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 00:36	S23081522.D
Toluene	108-88-3	**67**		25	08/16/2023 00:36	S23081522.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 00:36	S23081522.D
Tetrachloroethene	127-18-4	<10		10	08/16/2023 00:36	S23081522.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 00:36	S23081522.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 00:36	S23081522.D
Ethylbenzene	100-41-4	**32**		25	08/16/2023 00:36	S23081522.D
p & m-Xylene	179601-23-1	**124**		25	08/16/2023 00:36	S23081522.D
o-Xylene	95-47-6	**56**		25	08/16/2023 00:36	S23081522.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 00:36	S23081522.D
Isopropylbenzene	98-82-8	<25		25	08/16/2023 00:36	S23081522.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/16/2023 00:36	S23081522.D
1,2,4-Trimethylbenzene	95-63-6	**32**		25	08/16/2023 00:36	S23081522.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 00:36	S23081522.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 00:36	S23081522.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 00:36	S23081522.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 00:36	S23081522.D
Naphthalene	91-20-3	<25		25	08/16/2023 00:36	S23081522.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 00:36	S23081522.D
2-Methylnaphthalene	91-57-6	<25		25	08/16/2023 00:36	S23081522.D
∉ TPH C4-C9		<5,000		5,000	08/16/2023 00:36	S23081522.D
∉ TPH C10-C15		<5,000		5,000	08/16/2023 00:36	S23081522.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*88.8%*	*70-130*		*08/16/2023 00:36*	*S23081522.D*
Surrogate: Toluene-d8	2037-26-5	*102%*	*70-130*		*08/16/2023 00:36*	*S23081522.D*
Surrogate: Bromofluorobenzene	460-00-4	*101%*	*70-130*		*08/16/2023 00:36*	*S23081522.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-45

PSG-40

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/16/2023 01:05	S23081523.D
1,1-Dichloroethene	75-35-4	<10		10	08/16/2023 01:05	S23081523.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 01:05	S23081523.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 01:05	S23081523.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 01:05	S23081523.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 01:05	S23081523.D
1,1-Dichloroethane	75-34-3	<10		10	08/16/2023 01:05	S23081523.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/16/2023 01:05	S23081523.D
Chloroform	67-66-3	<10		10	08/16/2023 01:05	S23081523.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 01:05	S23081523.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/16/2023 01:05	S23081523.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 01:05	S23081523.D
Benzene	71-43-2	<25		25	08/16/2023 01:05	S23081523.D
Trichloroethene	79-01-6	**11**		10	08/16/2023 01:05	S23081523.D
1,4-Dioxane	123-91-1	<10		10	08/16/2023 01:05	S23081523.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 01:05	S23081523.D
Toluene	108-88-3	<25		25	08/16/2023 01:05	S23081523.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 01:05	S23081523.D
Tetrachloroethene	127-18-4	<10		10	08/16/2023 01:05	S23081523.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 01:05	S23081523.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 01:05	S23081523.D
Ethylbenzene	100-41-4	<25		25	08/16/2023 01:05	S23081523.D
p & m-Xylene	179601-23-1	**56**		25	08/16/2023 01:05	S23081523.D
o-Xylene	95-47-6	<25		25	08/16/2023 01:05	S23081523.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 01:05	S23081523.D
Isopropylbenzene	98-82-8	<25		25	08/16/2023 01:05	S23081523.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/16/2023 01:05	S23081523.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/16/2023 01:05	S23081523.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 01:05	S23081523.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 01:05	S23081523.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 01:05	S23081523.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 01:05	S23081523.D
Naphthalene	91-20-3	<25		25	08/16/2023 01:05	S23081523.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 01:05	S23081523.D
2-Methylnaphthalene	91-57-6	<25		25	08/16/2023 01:05	S23081523.D
∉ TPH C4-C9		<5,000		5,000	08/16/2023 01:05	S23081523.D
∉ TPH C10-C15		<5,000		5,000	08/16/2023 01:05	S23081523.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*87.8%*	*70-130*		*08/16/2023 01:05*	*S23081523.D*
Surrogate: Toluene-d8	2037-26-5	*96.2%*	*70-130*		*08/16/2023 01:05*	*S23081523.D*
Surrogate: Bromofluorobenzene	460-00-4	*103%*	*70-130*		*08/16/2023 01:05*	*S23081523.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-46

PSG-41

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/16/2023 01:34	S23081524.D
1,1-Dichloroethene	75-35-4	**26**		10	08/16/2023 01:34	S23081524.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 01:34	S23081524.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 01:34	S23081524.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 01:34	S23081524.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 01:34	S23081524.D
1,1-Dichloroethane	75-34-3	<10		10	08/16/2023 01:34	S23081524.D
cis-1,2-Dichloroethene	156-59-2	**26**		10	08/16/2023 01:34	S23081524.D
Chloroform	67-66-3	<10		10	08/16/2023 01:34	S23081524.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 01:34	S23081524.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/16/2023 01:34	S23081524.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 01:34	S23081524.D
Benzene	71-43-2	<25		25	08/16/2023 01:34	S23081524.D
Trichloroethene	79-01-6	**6,090**		10	08/16/2023 01:34	S23081524.D
1,4-Dioxane	123-91-1	<10		10	08/16/2023 01:34	S23081524.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 01:34	S23081524.D
Toluene	108-88-3	<25		25	08/16/2023 01:34	S23081524.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 01:34	S23081524.D
Tetrachloroethene	127-18-4	<10		10	08/16/2023 01:34	S23081524.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 01:34	S23081524.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 01:34	S23081524.D
Ethylbenzene	100-41-4	<25		25	08/16/2023 01:34	S23081524.D
p & m-Xylene	179601-23-1	<25		25	08/16/2023 01:34	S23081524.D
o-Xylene	95-47-6	<25		25	08/16/2023 01:34	S23081524.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 01:34	S23081524.D
Isopropylbenzene	98-82-8	<25		25	08/16/2023 01:34	S23081524.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/16/2023 01:34	S23081524.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/16/2023 01:34	S23081524.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 01:34	S23081524.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 01:34	S23081524.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 01:34	S23081524.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 01:34	S23081524.D
Naphthalene	91-20-3	<25		25	08/16/2023 01:34	S23081524.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 01:34	S23081524.D
2-Methylnaphthalene	91-57-6	<25		25	08/16/2023 01:34	S23081524.D
∉ TPH C4-C9		<5,000		5,000	08/16/2023 01:34	S23081524.D
∉ TPH C10-C15		<5,000		5,000	08/16/2023 01:34	S23081524.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*89.8%*	*70-130*		*08/16/2023 01:34*	*S23081524.D*
Surrogate: Toluene-d8	2037-26-5	*95.7%*	*70-130*		*08/16/2023 01:34*	*S23081524.D*
Surrogate: Bromofluorobenzene	460-00-4	*101%*	*70-130*		*08/16/2023 01:34*	*S23081524.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-47

PSG-42

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/16/2023 02:04	S23081525.D
1,1-Dichloroethene	75-35-4	<10		10	08/16/2023 02:04	S23081525.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 02:04	S23081525.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 02:04	S23081525.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 02:04	S23081525.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 02:04	S23081525.D
1,1-Dichloroethane	75-34-3	<10		10	08/16/2023 02:04	S23081525.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/16/2023 02:04	S23081525.D
Chloroform	67-66-3	<10		10	08/16/2023 02:04	S23081525.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 02:04	S23081525.D
1,1,1-Trichloroethane	71-55-6	**33**		10	08/16/2023 02:04	S23081525.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 02:04	S23081525.D
Benzene	71-43-2	<25		25	08/16/2023 02:04	S23081525.D
Trichloroethene	79-01-6	**97**		10	08/16/2023 02:04	S23081525.D
1,4-Dioxane	123-91-1	<10		10	08/16/2023 02:04	S23081525.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 02:04	S23081525.D
Toluene	108-88-3	<25		25	08/16/2023 02:04	S23081525.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 02:04	S23081525.D
Tetrachloroethene	127-18-4	**264**		10	08/16/2023 02:04	S23081525.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 02:04	S23081525.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 02:04	S23081525.D
Ethylbenzene	100-41-4	**57**		25	08/16/2023 02:04	S23081525.D
p & m-Xylene	179601-23-1	**245**		25	08/16/2023 02:04	S23081525.D
o-Xylene	95-47-6	**85**		25	08/16/2023 02:04	S23081525.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 02:04	S23081525.D
Isopropylbenzene	98-82-8	<25		25	08/16/2023 02:04	S23081525.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/16/2023 02:04	S23081525.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/16/2023 02:04	S23081525.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 02:04	S23081525.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 02:04	S23081525.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 02:04	S23081525.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 02:04	S23081525.D
Naphthalene	91-20-3	<25		25	08/16/2023 02:04	S23081525.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 02:04	S23081525.D
2-Methylnaphthalene	91-57-6	<25		25	08/16/2023 02:04	S23081525.D
∉ TPH C4-C9		<5,000		5,000	08/16/2023 02:04	S23081525.D
∉ TPH C10-C15		<5,000		5,000	08/16/2023 02:04	S23081525.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*91.5%*	*70-130*		*08/16/2023 02:04*	*S23081525.D*
Surrogate: Toluene-d8	2037-26-5	*93.8%*	*70-130*		*08/16/2023 02:04*	*S23081525.D*
Surrogate: Bromofluorobenzene	460-00-4	*104%*	*70-130*		*08/16/2023 02:04*	*S23081525.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-48

PSG-43

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/16/2023 02:33	S23081526.D
1,1-Dichloroethene	75-35-4	<10		10	08/16/2023 02:33	S23081526.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 02:33	S23081526.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 02:33	S23081526.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 02:33	S23081526.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 02:33	S23081526.D
1,1-Dichloroethane	75-34-3	<10		10	08/16/2023 02:33	S23081526.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/16/2023 02:33	S23081526.D
Chloroform	67-66-3	<10		10	08/16/2023 02:33	S23081526.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 02:33	S23081526.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/16/2023 02:33	S23081526.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 02:33	S23081526.D
Benzene	71-43-2	<25		25	08/16/2023 02:33	S23081526.D
Trichloroethene	79-01-6	<10		10	08/16/2023 02:33	S23081526.D
1,4-Dioxane	123-91-1	<10		10	08/16/2023 02:33	S23081526.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 02:33	S23081526.D
Toluene	108-88-3	<25		25	08/16/2023 02:33	S23081526.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 02:33	S23081526.D
Tetrachloroethene	127-18-4	<10		10	08/16/2023 02:33	S23081526.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 02:33	S23081526.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 02:33	S23081526.D
Ethylbenzene	100-41-4	<25		25	08/16/2023 02:33	S23081526.D
p & m-Xylene	179601-23-1	**68**		25	08/16/2023 02:33	S23081526.D
o-Xylene	95-47-6	**48**		25	08/16/2023 02:33	S23081526.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 02:33	S23081526.D
Isopropylbenzene	98-82-8	<25		25	08/16/2023 02:33	S23081526.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/16/2023 02:33	S23081526.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/16/2023 02:33	S23081526.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 02:33	S23081526.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 02:33	S23081526.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 02:33	S23081526.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 02:33	S23081526.D
Naphthalene	91-20-3	<25		25	08/16/2023 02:33	S23081526.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 02:33	S23081526.D
2-Methylnaphthalene	91-57-6	<25		25	08/16/2023 02:33	S23081526.D
∉ TPH C4-C9		<5,000		5,000	08/16/2023 02:33	S23081526.D
∉ TPH C10-C15		<5,000		5,000	08/16/2023 02:33	S23081526.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*86.3%*	*70-130*		*08/16/2023 02:33*	*S23081526.D*
Surrogate: Toluene-d8	2037-26-5	*96.9%*	*70-130*		*08/16/2023 02:33*	*S23081526.D*
Surrogate: Bromofluorobenzene	460-00-4	*98.5%*	*70-130*		*08/16/2023 02:33*	*S23081526.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-49

PSG-43-Dup

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/16/2023 03:02	S23081527.D
1,1-Dichloroethene	75-35-4	<10		10	08/16/2023 03:02	S23081527.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 03:02	S23081527.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 03:02	S23081527.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 03:02	S23081527.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 03:02	S23081527.D
1,1-Dichloroethane	75-34-3	<10		10	08/16/2023 03:02	S23081527.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/16/2023 03:02	S23081527.D
Chloroform	67-66-3	<10		10	08/16/2023 03:02	S23081527.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 03:02	S23081527.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/16/2023 03:02	S23081527.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 03:02	S23081527.D
Benzene	71-43-2	<25		25	08/16/2023 03:02	S23081527.D
Trichloroethene	79-01-6	<10		10	08/16/2023 03:02	S23081527.D
1,4-Dioxane	123-91-1	<10		10	08/16/2023 03:02	S23081527.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 03:02	S23081527.D
Toluene	108-88-3	<25		25	08/16/2023 03:02	S23081527.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 03:02	S23081527.D
Tetrachloroethene	127-18-4	<10		10	08/16/2023 03:02	S23081527.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 03:02	S23081527.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 03:02	S23081527.D
Ethylbenzene	100-41-4	<25		25	08/16/2023 03:02	S23081527.D
p & m-Xylene	179601-23-1	**67**		25	08/16/2023 03:02	S23081527.D
o-Xylene	95-47-6	**46**		25	08/16/2023 03:02	S23081527.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 03:02	S23081527.D
Isopropylbenzene	98-82-8	<25		25	08/16/2023 03:02	S23081527.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/16/2023 03:02	S23081527.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/16/2023 03:02	S23081527.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 03:02	S23081527.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 03:02	S23081527.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 03:02	S23081527.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 03:02	S23081527.D
Naphthalene	91-20-3	<25		25	08/16/2023 03:02	S23081527.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 03:02	S23081527.D
2-Methylnaphthalene	91-57-6	<25		25	08/16/2023 03:02	S23081527.D
∉ TPH C4-C9		<5,000		5,000	08/16/2023 03:02	S23081527.D
∉ TPH C10-C15		<5,000		5,000	08/16/2023 03:02	S23081527.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*82.6%*	*70-130*		*08/16/2023 03:02*	*S23081527.D*
Surrogate: Toluene-d8	2037-26-5	*95.3%*	*70-130*		*08/16/2023 03:02*	*S23081527.D*
Surrogate: Bromofluorobenzene	460-00-4	*100%*	*70-130*		*08/16/2023 03:02*	*S23081527.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-50

PSG-44

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/16/2023 03:31	S23081528.D
1,1-Dichloroethene	75-35-4	<10		10	08/16/2023 03:31	S23081528.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 03:31	S23081528.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 03:31	S23081528.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 03:31	S23081528.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 03:31	S23081528.D
1,1-Dichloroethane	75-34-3	<10		10	08/16/2023 03:31	S23081528.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/16/2023 03:31	S23081528.D
Chloroform	67-66-3	<10		10	08/16/2023 03:31	S23081528.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 03:31	S23081528.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/16/2023 03:31	S23081528.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 03:31	S23081528.D
Benzene	71-43-2	**39**		25	08/16/2023 03:31	S23081528.D
Trichloroethene	79-01-6	<10		10	08/16/2023 03:31	S23081528.D
1,4-Dioxane	123-91-1	<10		10	08/16/2023 03:31	S23081528.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 03:31	S23081528.D
Toluene	108-88-3	<25		25	08/16/2023 03:31	S23081528.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 03:31	S23081528.D
Tetrachloroethene	127-18-4	<10		10	08/16/2023 03:31	S23081528.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 03:31	S23081528.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 03:31	S23081528.D
Ethylbenzene	100-41-4	<25		25	08/16/2023 03:31	S23081528.D
p & m-Xylene	179601-23-1	<25		25	08/16/2023 03:31	S23081528.D
o-Xylene	95-47-6	<25		25	08/16/2023 03:31	S23081528.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 03:31	S23081528.D
Isopropylbenzene	98-82-8	<25		25	08/16/2023 03:31	S23081528.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/16/2023 03:31	S23081528.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/16/2023 03:31	S23081528.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 03:31	S23081528.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 03:31	S23081528.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 03:31	S23081528.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 03:31	S23081528.D
Naphthalene	91-20-3	<25		25	08/16/2023 03:31	S23081528.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 03:31	S23081528.D
2-Methylnaphthalene	91-57-6	<25		25	08/16/2023 03:31	S23081528.D
∉ TPH C4-C9		<5,000		5,000	08/16/2023 03:31	S23081528.D
∉ **TPH C10-C15**		**12,000**		5,000	08/16/2023 03:31	S23081528.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*87.8%*	*70-130*		*08/16/2023 03:31*	*S23081528.D*
Surrogate: Toluene-d8	2037-26-5	*93.9%*	*70-130*		*08/16/2023 03:31*	*S23081528.D*
Surrogate: Bromofluorobenzene	460-00-4	*103%*	*70-130*		*08/16/2023 03:31*	*S23081528.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-51

PSG-45

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/16/2023 04:00	S23081529.D
1,1-Dichloroethene	75-35-4	<10		10	08/16/2023 04:00	S23081529.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 04:00	S23081529.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 04:00	S23081529.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 04:00	S23081529.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 04:00	S23081529.D
1,1-Dichloroethane	75-34-3	<10		10	08/16/2023 04:00	S23081529.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/16/2023 04:00	S23081529.D
Chloroform	67-66-3	<10		10	08/16/2023 04:00	S23081529.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 04:00	S23081529.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/16/2023 04:00	S23081529.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 04:00	S23081529.D
Benzene	71-43-2	**452**		25	08/16/2023 04:00	S23081529.D
Trichloroethene	79-01-6	<10		10	08/16/2023 04:00	S23081529.D
1,4-Dioxane	123-91-1	<10		10	08/16/2023 04:00	S23081529.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 04:00	S23081529.D
Toluene	108-88-3	**438**		25	08/16/2023 04:00	S23081529.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 04:00	S23081529.D
Tetrachloroethene	127-18-4	<10		10	08/16/2023 04:00	S23081529.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 04:00	S23081529.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 04:00	S23081529.D
Ethylbenzene	100-41-4	**214**		25	08/16/2023 04:00	S23081529.D
p & m-Xylene	179601-23-1	**545**		25	08/16/2023 04:00	S23081529.D
o-Xylene	95-47-6	**515**		25	08/16/2023 04:00	S23081529.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 04:00	S23081529.D
Isopropylbenzene	98-82-8	**194**		25	08/16/2023 04:00	S23081529.D
1,3,5-Trimethylbenzene	108-67-8	**379**		25	08/16/2023 04:00	S23081529.D
1,2,4-Trimethylbenzene	95-63-6	**555**		25	08/16/2023 04:00	S23081529.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 04:00	S23081529.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 04:00	S23081529.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 04:00	S23081529.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 04:00	S23081529.D
Naphthalene	91-20-3	**130**		25	08/16/2023 04:00	S23081529.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 04:00	S23081529.D
2-Methylnaphthalene	91-57-6	**139**		25	08/16/2023 04:00	S23081529.D
∉ **TPH C4-C9**		**16,800**		5,000	08/16/2023 04:00	S23081529.D
∉ **TPH C10-C15**		**52,700**		5,000	08/16/2023 04:00	S23081529.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*96.1%*	*70-130*		*08/16/2023 04:00*	*S23081529.D*
Surrogate: Toluene-d8	2037-26-5	*110%*	*70-130*		*08/16/2023 04:00*	*S23081529.D*
Surrogate: Bromofluorobenzene	460-00-4	*105%*	*70-130*		*08/16/2023 04:00*	*S23081529.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-52

PSG-46

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/16/2023 04:29	S23081530.D
1,1-Dichloroethene	75-35-4	<10		10	08/16/2023 04:29	S23081530.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 04:29	S23081530.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 04:29	S23081530.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 04:29	S23081530.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 04:29	S23081530.D
1,1-Dichloroethane	75-34-3	<10		10	08/16/2023 04:29	S23081530.D
cis-1,2-Dichloroethene	156-59-2	**15**		10	08/16/2023 04:29	S23081530.D
Chloroform	67-66-3	<10		10	08/16/2023 04:29	S23081530.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 04:29	S23081530.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/16/2023 04:29	S23081530.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 04:29	S23081530.D
Benzene	71-43-2	**456**		25	08/16/2023 04:29	S23081530.D
Trichloroethene	79-01-6	<10		10	08/16/2023 04:29	S23081530.D
1,4-Dioxane	123-91-1	<10		10	08/16/2023 04:29	S23081530.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 04:29	S23081530.D
Toluene	108-88-3	**247**		25	08/16/2023 04:29	S23081530.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 04:29	S23081530.D
Tetrachloroethene	127-18-4	<10		10	08/16/2023 04:29	S23081530.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 04:29	S23081530.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 04:29	S23081530.D
Ethylbenzene	100-41-4	**80**		25	08/16/2023 04:29	S23081530.D
p & m-Xylene	179601-23-1	**158**		25	08/16/2023 04:29	S23081530.D
o-Xylene	95-47-6	**155**		25	08/16/2023 04:29	S23081530.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 04:29	S23081530.D
Isopropylbenzene	98-82-8	**115**		25	08/16/2023 04:29	S23081530.D
1,3,5-Trimethylbenzene	108-67-8	**196**		25	08/16/2023 04:29	S23081530.D
1,2,4-Trimethylbenzene	95-63-6	**183**		25	08/16/2023 04:29	S23081530.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 04:29	S23081530.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 04:29	S23081530.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 04:29	S23081530.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 04:29	S23081530.D
Naphthalene	91-20-3	**58**		25	08/16/2023 04:29	S23081530.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 04:29	S23081530.D
2-Methylnaphthalene	91-57-6	**61**		25	08/16/2023 04:29	S23081530.D
∉ **TPH C4-C9**		**51,700**		5,000	08/16/2023 04:29	S23081530.D
∉ **TPH C10-C15**		**74,200**		5,000	08/16/2023 04:29	S23081530.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*95.4%*	*70-130*		*08/16/2023 04:29*	*S23081530.D*
Surrogate: Toluene-d8	2037-26-5	*126%*	*70-130*		*08/16/2023 04:29*	*S23081530.D*
Surrogate: Bromofluorobenzene	460-00-4	*115%*	*70-130*		*08/16/2023 04:29*	*S23081530.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-53

PSG-47

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/16/2023 04:58	S23081531.D
1,1-Dichloroethene	75-35-4	<10		10	08/16/2023 04:58	S23081531.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 04:58	S23081531.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 04:58	S23081531.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 04:58	S23081531.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 04:58	S23081531.D
1,1-Dichloroethane	75-34-3	<10		10	08/16/2023 04:58	S23081531.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/16/2023 04:58	S23081531.D
Chloroform	67-66-3	<10		10	08/16/2023 04:58	S23081531.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 04:58	S23081531.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/16/2023 04:58	S23081531.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 04:58	S23081531.D
Benzene	71-43-2	**44**		25	08/16/2023 04:58	S23081531.D
Trichloroethene	79-01-6	<10		10	08/16/2023 04:58	S23081531.D
1,4-Dioxane	123-91-1	<10		10	08/16/2023 04:58	S23081531.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 04:58	S23081531.D
Toluene	108-88-3	**33**		25	08/16/2023 04:58	S23081531.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 04:58	S23081531.D
Tetrachloroethene	127-18-4	**16**		10	08/16/2023 04:58	S23081531.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 04:58	S23081531.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 04:58	S23081531.D
Ethylbenzene	100-41-4	**182**		25	08/16/2023 04:58	S23081531.D
p & m-Xylene	179601-23-1	**801**		25	08/16/2023 04:58	S23081531.D
o-Xylene	95-47-6	**286**		25	08/16/2023 04:58	S23081531.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 04:58	S23081531.D
Isopropylbenzene	98-82-8	<25		25	08/16/2023 04:58	S23081531.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/16/2023 04:58	S23081531.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/16/2023 04:58	S23081531.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 04:58	S23081531.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 04:58	S23081531.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 04:58	S23081531.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 04:58	S23081531.D
Naphthalene	91-20-3	<25		25	08/16/2023 04:58	S23081531.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 04:58	S23081531.D
2-Methylnaphthalene	91-57-6	<25		25	08/16/2023 04:58	S23081531.D
∉ **TPH C4-C9**		**15,700**		5,000	08/16/2023 04:58	S23081531.D
∉ **TPH C10-C15**		**24,100**		5,000	08/16/2023 04:58	S23081531.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*81.9%*	*70-130*		*08/16/2023 04:58*	*S23081531.D*
Surrogate: Toluene-d8	2037-26-5	*105%*	*70-130*		*08/16/2023 04:58*	*S23081531.D*
Surrogate: Bromofluorobenzene	460-00-4	*106%*	*70-130*		*08/16/2023 04:58*	*S23081531.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-54

PSG-48

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/16/2023 05:27	S23081532.D
1,1-Dichloroethene	75-35-4	<10		10	08/16/2023 05:27	S23081532.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 05:27	S23081532.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 05:27	S23081532.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 05:27	S23081532.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 05:27	S23081532.D
1,1-Dichloroethane	75-34-3	<10		10	08/16/2023 05:27	S23081532.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/16/2023 05:27	S23081532.D
Chloroform	67-66-3	<10		10	08/16/2023 05:27	S23081532.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 05:27	S23081532.D
1,1,1-Trichloroethane	71-55-6	**13**		10	08/16/2023 05:27	S23081532.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 05:27	S23081532.D
Benzene	71-43-2	<25		25	08/16/2023 05:27	S23081532.D
Trichloroethene	79-01-6	<10		10	08/16/2023 05:27	S23081532.D
1,4-Dioxane	123-91-1	<10		10	08/16/2023 05:27	S23081532.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 05:27	S23081532.D
Toluene	108-88-3	<25		25	08/16/2023 05:27	S23081532.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 05:27	S23081532.D
Tetrachloroethene	127-18-4	**13**		10	08/16/2023 05:27	S23081532.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 05:27	S23081532.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 05:27	S23081532.D
Ethylbenzene	100-41-4	**1,030**		25	08/16/2023 05:27	S23081532.D
p & m-Xylene	179601-23-1	**3,990**		25	08/16/2023 05:27	S23081532.D
o-Xylene	95-47-6	**2,180**		25	08/16/2023 05:27	S23081532.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 05:27	S23081532.D
Isopropylbenzene	98-82-8	**63**		25	08/16/2023 05:27	S23081532.D
1,3,5-Trimethylbenzene	108-67-8	**112**		25	08/16/2023 05:27	S23081532.D
1,2,4-Trimethylbenzene	95-63-6	**268**		25	08/16/2023 05:27	S23081532.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 05:27	S23081532.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 05:27	S23081532.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 05:27	S23081532.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 05:27	S23081532.D
Naphthalene	91-20-3	<25		25	08/16/2023 05:27	S23081532.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 05:27	S23081532.D
2-Methylnaphthalene	91-57-6	<25		25	08/16/2023 05:27	S23081532.D
∉ **TPH C4-C9**		**20,200**		5,000	08/16/2023 05:27	S23081532.D
∉ **TPH C10-C15**		**14,000**		5,000	08/16/2023 05:27	S23081532.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*88.7%*	*70-130*		*08/16/2023 05:27*	*S23081532.D*
Surrogate: Toluene-d8	2037-26-5	*118%*	*70-130*		*08/16/2023 05:27*	*S23081532.D*
Surrogate: Bromofluorobenzene	460-00-4	*105%*	*70-130*		*08/16/2023 05:27*	*S23081532.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-55

PSG-49

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/16/2023 05:56	S23081533.D
1,1-Dichloroethene	75-35-4	<10		10	08/16/2023 05:56	S23081533.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 05:56	S23081533.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 05:56	S23081533.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 05:56	S23081533.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 05:56	S23081533.D
1,1-Dichloroethane	75-34-3	**17**		10	08/16/2023 05:56	S23081533.D
cis-1,2-Dichloroethene	156-59-2	**17**		10	08/16/2023 05:56	S23081533.D
Chloroform	67-66-3	<10		10	08/16/2023 05:56	S23081533.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 05:56	S23081533.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/16/2023 05:56	S23081533.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 05:56	S23081533.D
Benzene	71-43-2	**72**		25	08/16/2023 05:56	S23081533.D
Trichloroethene	79-01-6	**10**		10	08/16/2023 05:56	S23081533.D
1,4-Dioxane	123-91-1	**23**		10	08/16/2023 05:56	S23081533.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 05:56	S23081533.D
Toluene	108-88-3	**40**		25	08/16/2023 05:56	S23081533.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 05:56	S23081533.D
Tetrachloroethene	127-18-4	**11**		10	08/16/2023 05:56	S23081533.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 05:56	S23081533.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 05:56	S23081533.D
Ethylbenzene	100-41-4	<25		25	08/16/2023 05:56	S23081533.D
p & m-Xylene	179601-23-1	**51**		25	08/16/2023 05:56	S23081533.D
o-Xylene	95-47-6	<25		25	08/16/2023 05:56	S23081533.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 05:56	S23081533.D
Isopropylbenzene	98-82-8	<25		25	08/16/2023 05:56	S23081533.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/16/2023 05:56	S23081533.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/16/2023 05:56	S23081533.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 05:56	S23081533.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 05:56	S23081533.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 05:56	S23081533.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 05:56	S23081533.D
Naphthalene	91-20-3	**36**		25	08/16/2023 05:56	S23081533.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 05:56	S23081533.D
2-Methylnaphthalene	91-57-6	<25		25	08/16/2023 05:56	S23081533.D
∉ **TPH C4-C9**		**82,000**		5,000	08/16/2023 05:56	S23081533.D
∉ **TPH C10-C15**		**284,000**		5,000	08/16/2023 05:56	S23081533.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*91.6%*	*70-130*		*08/16/2023 05:56*	*S23081533.D*
Surrogate: Toluene-d8	2037-26-5	*116%*	*70-130*		*08/16/2023 05:56*	*S23081533.D*
Surrogate: Bromofluorobenzene	460-00-4	*100%*	*70-130*		*08/16/2023 05:56*	*S23081533.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-56

PSG-50

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	**42**		10	08/16/2023 06:24	S23081534.D
1,1-Dichloroethene	75-35-4	**1,070**		10	08/16/2023 06:24	S23081534.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 06:24	S23081534.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 06:24	S23081534.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 06:24	S23081534.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 06:24	S23081534.D
1,1-Dichloroethane	75-34-3	**153**		10	08/16/2023 06:24	S23081534.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/16/2023 06:24	S23081534.D
Chloroform	67-66-3	**45**		10	08/16/2023 06:24	S23081534.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 06:24	S23081534.D
1,1,1-Trichloroethane	71-55-6	**2,710**	D	190	08/16/2023 19:24	C23081605.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 06:24	S23081534.D
Benzene	71-43-2	**30**		25	08/16/2023 06:24	S23081534.D
Trichloroethene	79-01-6	<10		10	08/16/2023 06:24	S23081534.D
1,4-Dioxane	123-91-1	<10		10	08/16/2023 06:24	S23081534.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 06:24	S23081534.D
Toluene	108-88-3	<25		25	08/16/2023 06:24	S23081534.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 06:24	S23081534.D
Tetrachloroethene	127-18-4	<10		10	08/16/2023 06:24	S23081534.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 06:24	S23081534.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 06:24	S23081534.D
Ethylbenzene	100-41-4	<25		25	08/16/2023 06:24	S23081534.D
p & m-Xylene	179601-23-1	**35**		25	08/16/2023 06:24	S23081534.D
o-Xylene	95-47-6	<25		25	08/16/2023 06:24	S23081534.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 06:24	S23081534.D
Isopropylbenzene	98-82-8	<25		25	08/16/2023 06:24	S23081534.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/16/2023 06:24	S23081534.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/16/2023 06:24	S23081534.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 06:24	S23081534.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 06:24	S23081534.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 06:24	S23081534.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 06:24	S23081534.D
Naphthalene	91-20-3	<25		25	08/16/2023 06:24	S23081534.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 06:24	S23081534.D
2-Methylnaphthalene	91-57-6	<25		25	08/16/2023 06:24	S23081534.D
∉ TPH C4-C9		<5,000		5,000	08/16/2023 06:24	S23081534.D
∉ **TPH C10-C15**		**8,620**		5,000	08/16/2023 06:24	S23081534.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*108%*	*70-130*		*08/16/2023 19:24*	*C23081605.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*88.9%*	*70-130*		*08/16/2023 06:24*	*S23081534.D*
Surrogate: Toluene-d8	2037-26-5	*98.3%*	*70-130*		*08/16/2023 19:24*	*C23081605.D*
Surrogate: Toluene-d8	2037-26-5	*96.8%*	*70-130*		*08/16/2023 06:24*	*S23081534.D*
Surrogate: Bromofluorobenzene	460-00-4	*103%*	*70-130*		*08/16/2023 06:24*	*S23081534.D*
Surrogate: Bromofluorobenzene	460-00-4	*96.2%*	*70-130*		*08/16/2023 19:24*	*C23081605.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-57

PSG-51

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	**21**		10	08/16/2023 06:54	S23081535.D
1,1-Dichloroethene	75-35-4	**1,240**		10	08/16/2023 06:54	S23081535.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 06:54	S23081535.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 06:54	S23081535.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 06:54	S23081535.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 06:54	S23081535.D
1,1-Dichloroethane	75-34-3	**23**		10	08/16/2023 06:54	S23081535.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/16/2023 06:54	S23081535.D
Chloroform	67-66-3	<10		10	08/16/2023 06:54	S23081535.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 06:54	S23081535.D
1,1,1-Trichloroethane	71-55-6	**2,790**	D	190	08/16/2023 19:52	C23081606.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 06:54	S23081535.D
Benzene	71-43-2	**33**		25	08/16/2023 06:54	S23081535.D
Trichloroethene	79-01-6	<10		10	08/16/2023 06:54	S23081535.D
1,4-Dioxane	123-91-1	<10		10	08/16/2023 06:54	S23081535.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 06:54	S23081535.D
Toluene	108-88-3	**32**		25	08/16/2023 06:54	S23081535.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 06:54	S23081535.D
Tetrachloroethene	127-18-4	**11**		10	08/16/2023 06:54	S23081535.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 06:54	S23081535.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 06:54	S23081535.D
Ethylbenzene	100-41-4	**44**		25	08/16/2023 06:54	S23081535.D
p & m-Xylene	179601-23-1	**211**		25	08/16/2023 06:54	S23081535.D
o-Xylene	95-47-6	**92**		25	08/16/2023 06:54	S23081535.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 06:54	S23081535.D
Isopropylbenzene	98-82-8	<25		25	08/16/2023 06:54	S23081535.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/16/2023 06:54	S23081535.D
1,2,4-Trimethylbenzene	95-63-6	**40**		25	08/16/2023 06:54	S23081535.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 06:54	S23081535.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 06:54	S23081535.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 06:54	S23081535.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 06:54	S23081535.D
Naphthalene	91-20-3	<25		25	08/16/2023 06:54	S23081535.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 06:54	S23081535.D
2-Methylnaphthalene	91-57-6	<25		25	08/16/2023 06:54	S23081535.D
∉ TPH C4-C9		<5,000		5,000	08/16/2023 06:54	S23081535.D
∉ **TPH C10-C15**		**9,830**		5,000	08/16/2023 06:54	S23081535.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*87.4%*	*70-130*		*08/16/2023 06:54*	*S23081535.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*108%*	*70-130*		*08/16/2023 19:52*	*C23081606.D*
Surrogate: Toluene-d8	2037-26-5	*101%*	*70-130*		*08/16/2023 06:54*	*S23081535.D*
Surrogate: Toluene-d8	2037-26-5	*98.9%*	*70-130*		*08/16/2023 19:52*	*C23081606.D*
Surrogate: Bromofluorobenzene	460-00-4	*104%*	*70-130*		*08/16/2023 06:54*	*S23081535.D*
Surrogate: Bromofluorobenzene	460-00-4	*95.6%*	*70-130*		*08/16/2023 19:52*	*C23081606.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-58

PSG-52

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	**32**		10	08/16/2023 07:23	S23081536.D
1,1-Dichloroethene	75-35-4	**26**		10	08/16/2023 07:23	S23081536.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 07:23	S23081536.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 07:23	S23081536.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 07:23	S23081536.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 07:23	S23081536.D
1,1-Dichloroethane	75-34-3	**333**		10	08/16/2023 07:23	S23081536.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/16/2023 07:23	S23081536.D
Chloroform	67-66-3	<10		10	08/16/2023 07:23	S23081536.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 07:23	S23081536.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/16/2023 07:23	S23081536.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 07:23	S23081536.D
Benzene	71-43-2	**246**		25	08/16/2023 07:23	S23081536.D
Trichloroethene	79-01-6	**10**		10	08/16/2023 07:23	S23081536.D
1,4-Dioxane	123-91-1	<10		10	08/16/2023 07:23	S23081536.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 07:23	S23081536.D
Toluene	108-88-3	**84**		25	08/16/2023 07:23	S23081536.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 07:23	S23081536.D
Tetrachloroethene	127-18-4	<10		10	08/16/2023 07:23	S23081536.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 07:23	S23081536.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 07:23	S23081536.D
Ethylbenzene	100-41-4	**57**		25	08/16/2023 07:23	S23081536.D
p & m-Xylene	179601-23-1	**262**		25	08/16/2023 07:23	S23081536.D
o-Xylene	95-47-6	**130**		25	08/16/2023 07:23	S23081536.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 07:23	S23081536.D
Isopropylbenzene	98-82-8	<25		25	08/16/2023 07:23	S23081536.D
1,3,5-Trimethylbenzene	108-67-8	**41**		25	08/16/2023 07:23	S23081536.D
1,2,4-Trimethylbenzene	95-63-6	**80**		25	08/16/2023 07:23	S23081536.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 07:23	S23081536.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 07:23	S23081536.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 07:23	S23081536.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 07:23	S23081536.D
Naphthalene	91-20-3	**37**		25	08/16/2023 07:23	S23081536.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 07:23	S23081536.D
2-Methylnaphthalene	91-57-6	**50**		25	08/16/2023 07:23	S23081536.D
∉ **TPH C4-C9**		**9,310**		5,000	08/16/2023 07:23	S23081536.D
∉ **TPH C10-C15**		**15,800**		5,000	08/16/2023 07:23	S23081536.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*89.5%*	*70-130*		*08/16/2023 07:23*	*S23081536.D*
Surrogate: Toluene-d8	2037-26-5	*102%*	*70-130*		*08/16/2023 07:23*	*S23081536.D*
Surrogate: Bromofluorobenzene	460-00-4	*104%*	*70-130*		*08/16/2023 07:23*	*S23081536.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-59

PSG-53

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/16/2023 07:51	S23081537.D
1,1-Dichloroethene	75-35-4	<10		10	08/16/2023 07:51	S23081537.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 07:51	S23081537.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 07:51	S23081537.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 07:51	S23081537.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 07:51	S23081537.D
1,1-Dichloroethane	75-34-3	**48**		10	08/16/2023 07:51	S23081537.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/16/2023 07:51	S23081537.D
Chloroform	67-66-3	<10		10	08/16/2023 07:51	S23081537.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 07:51	S23081537.D
1,1,1-Trichloroethane	71-55-6	**39**		10	08/16/2023 07:51	S23081537.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 07:51	S23081537.D
Benzene	71-43-2	**296**		25	08/16/2023 07:51	S23081537.D
Trichloroethene	79-01-6	<10		10	08/16/2023 07:51	S23081537.D
1,4-Dioxane	123-91-1	<10		10	08/16/2023 07:51	S23081537.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 07:51	S23081537.D
Toluene	108-88-3	**57**		25	08/16/2023 07:51	S23081537.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 07:51	S23081537.D
Tetrachloroethene	127-18-4	<10		10	08/16/2023 07:51	S23081537.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 07:51	S23081537.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 07:51	S23081537.D
Ethylbenzene	100-41-4	<25		25	08/16/2023 07:51	S23081537.D
p & m-Xylene	179601-23-1	**32**		25	08/16/2023 07:51	S23081537.D
o-Xylene	95-47-6	<25		25	08/16/2023 07:51	S23081537.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 07:51	S23081537.D
Isopropylbenzene	98-82-8	<25		25	08/16/2023 07:51	S23081537.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/16/2023 07:51	S23081537.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/16/2023 07:51	S23081537.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 07:51	S23081537.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 07:51	S23081537.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 07:51	S23081537.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 07:51	S23081537.D
Naphthalene	91-20-3	<25		25	08/16/2023 07:51	S23081537.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 07:51	S23081537.D
2-Methylnaphthalene	91-57-6	<25		25	08/16/2023 07:51	S23081537.D
∉ TPH C4-C9		<5,000		5,000	08/16/2023 07:51	S23081537.D
∉ **TPH C10-C15**		**9,650**		5,000	08/16/2023 07:51	S23081537.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*92.5%*	*70-130*		*08/16/2023 07:51*	*S23081537.D*
Surrogate: Toluene-d8	2037-26-5	*97.4%*	*70-130*		*08/16/2023 07:51*	*S23081537.D*
Surrogate: Bromofluorobenzene	460-00-4	*103%*	*70-130*		*08/16/2023 07:51*	*S23081537.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-60

PSG-54

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	**56**		10	08/16/2023 08:20	S23081538.D
1,1-Dichloroethene	75-35-4	**159**		10	08/16/2023 08:20	S23081538.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 08:20	S23081538.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 08:20	S23081538.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 08:20	S23081538.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 08:20	S23081538.D
1,1-Dichloroethane	75-34-3	**737**		10	08/16/2023 08:20	S23081538.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/16/2023 08:20	S23081538.D
Chloroform	67-66-3	<10		10	08/16/2023 08:20	S23081538.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 08:20	S23081538.D
1,1,1-Trichloroethane	71-55-6	**475**		10	08/16/2023 08:20	S23081538.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 08:20	S23081538.D
Benzene	71-43-2	**108**		25	08/16/2023 08:20	S23081538.D
Trichloroethene	79-01-6	<10		10	08/16/2023 08:20	S23081538.D
1,4-Dioxane	123-91-1	**36**		10	08/16/2023 08:20	S23081538.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 08:20	S23081538.D
Toluene	108-88-3	<25		25	08/16/2023 08:20	S23081538.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 08:20	S23081538.D
Tetrachloroethene	127-18-4	<10		10	08/16/2023 08:20	S23081538.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 08:20	S23081538.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 08:20	S23081538.D
Ethylbenzene	100-41-4	<25		25	08/16/2023 08:20	S23081538.D
p & m-Xylene	179601-23-1	**85**		25	08/16/2023 08:20	S23081538.D
o-Xylene	95-47-6	**44**		25	08/16/2023 08:20	S23081538.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 08:20	S23081538.D
Isopropylbenzene	98-82-8	<25		25	08/16/2023 08:20	S23081538.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/16/2023 08:20	S23081538.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/16/2023 08:20	S23081538.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 08:20	S23081538.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 08:20	S23081538.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 08:20	S23081538.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 08:20	S23081538.D
Naphthalene	91-20-3	<25		25	08/16/2023 08:20	S23081538.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 08:20	S23081538.D
2-Methylnaphthalene	91-57-6	<25		25	08/16/2023 08:20	S23081538.D
∉ TPH C4-C9		<5,000		5,000	08/16/2023 08:20	S23081538.D
∉ **TPH C10-C15**		**6,840**		5,000	08/16/2023 08:20	S23081538.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*90.7%*	*70-130*		*08/16/2023 08:20*	*S23081538.D*
Surrogate: Toluene-d8	2037-26-5	*97.4%*	*70-130*		*08/16/2023 08:20*	*S23081538.D*
Surrogate: Bromofluorobenzene	460-00-4	*104%*	*70-130*		*08/16/2023 08:20*	*S23081538.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-61

PSG-55

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	**62**		10	08/16/2023 08:48	S23081539.D
1,1-Dichloroethene	75-35-4	**11**		10	08/16/2023 08:48	S23081539.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 08:48	S23081539.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 08:48	S23081539.D
trans-1,2-Dichloroethene	156-60-5	**56**		10	08/16/2023 08:48	S23081539.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 08:48	S23081539.D
1,1-Dichloroethane	75-34-3	**118**		10	08/16/2023 08:48	S23081539.D
cis-1,2-Dichloroethene	156-59-2	**405**		10	08/16/2023 08:48	S23081539.D
Chloroform	67-66-3	<10		10	08/16/2023 08:48	S23081539.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 08:48	S23081539.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/16/2023 08:48	S23081539.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 08:48	S23081539.D
Benzene	71-43-2	**74**		25	08/16/2023 08:48	S23081539.D
Trichloroethene	79-01-6	<10		10	08/16/2023 08:48	S23081539.D
1,4-Dioxane	123-91-1	<10		10	08/16/2023 08:48	S23081539.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 08:48	S23081539.D
Toluene	108-88-3	<25		25	08/16/2023 08:48	S23081539.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 08:48	S23081539.D
Tetrachloroethene	127-18-4	<10		10	08/16/2023 08:48	S23081539.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 08:48	S23081539.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 08:48	S23081539.D
Ethylbenzene	100-41-4	<25		25	08/16/2023 08:48	S23081539.D
p & m-Xylene	179601-23-1	<25		25	08/16/2023 08:48	S23081539.D
o-Xylene	95-47-6	<25		25	08/16/2023 08:48	S23081539.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 08:48	S23081539.D
Isopropylbenzene	98-82-8	**30**		25	08/16/2023 08:48	S23081539.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/16/2023 08:48	S23081539.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/16/2023 08:48	S23081539.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 08:48	S23081539.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 08:48	S23081539.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 08:48	S23081539.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 08:48	S23081539.D
Naphthalene	91-20-3	<25		25	08/16/2023 08:48	S23081539.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 08:48	S23081539.D
2-Methylnaphthalene	91-57-6	<25		25	08/16/2023 08:48	S23081539.D
∉ **TPH C4-C9**		**16,000**		5,000	08/16/2023 08:48	S23081539.D
∉ **TPH C10-C15**		**6,380**		5,000	08/16/2023 08:48	S23081539.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*90.1%*	*70-130*		*08/16/2023 08:48*	*S23081539.D*
Surrogate: Toluene-d8	2037-26-5	*98.1%*	*70-130*		*08/16/2023 08:48*	*S23081539.D*
Surrogate: Bromofluorobenzene	460-00-4	*102%*	*70-130*		*08/16/2023 08:48*	*S23081539.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-62

PSG-56

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/16/2023 09:18	S23081540.D
1,1-Dichloroethene	75-35-4	<10		10	08/16/2023 09:18	S23081540.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 09:18	S23081540.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 09:18	S23081540.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 09:18	S23081540.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 09:18	S23081540.D
1,1-Dichloroethane	75-34-3	<10		10	08/16/2023 09:18	S23081540.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/16/2023 09:18	S23081540.D
Chloroform	67-66-3	<10		10	08/16/2023 09:18	S23081540.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 09:18	S23081540.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/16/2023 09:18	S23081540.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 09:18	S23081540.D
Benzene	71-43-2	**54**		25	08/16/2023 09:18	S23081540.D
Trichloroethene	79-01-6	<10		10	08/16/2023 09:18	S23081540.D
1,4-Dioxane	123-91-1	<10		10	08/16/2023 09:18	S23081540.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 09:18	S23081540.D
Toluene	108-88-3	**28**		25	08/16/2023 09:18	S23081540.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 09:18	S23081540.D
Tetrachloroethene	127-18-4	<10		10	08/16/2023 09:18	S23081540.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 09:18	S23081540.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 09:18	S23081540.D
Ethylbenzene	100-41-4	<25		25	08/16/2023 09:18	S23081540.D
p & m-Xylene	179601-23-1	**57**		25	08/16/2023 09:18	S23081540.D
o-Xylene	95-47-6	**27**		25	08/16/2023 09:18	S23081540.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 09:18	S23081540.D
Isopropylbenzene	98-82-8	<25		25	08/16/2023 09:18	S23081540.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/16/2023 09:18	S23081540.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/16/2023 09:18	S23081540.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 09:18	S23081540.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 09:18	S23081540.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 09:18	S23081540.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 09:18	S23081540.D
Naphthalene	91-20-3	<25		25	08/16/2023 09:18	S23081540.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 09:18	S23081540.D
2-Methylnaphthalene	91-57-6	<25		25	08/16/2023 09:18	S23081540.D
∉ TPH C4-C9		<5,000		5,000	08/16/2023 09:18	S23081540.D
∉ **TPH C10-C15**		**8,620**		5,000	08/16/2023 09:18	S23081540.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*85.2%*	*70-130*		*08/16/2023 09:18*	*S23081540.D*
Surrogate: Toluene-d8	2037-26-5	*98.1%*	*70-130*		*08/16/2023 09:18*	*S23081540.D*
Surrogate: Bromofluorobenzene	460-00-4	*103%*	*70-130*		*08/16/2023 09:18*	*S23081540.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-63

PSG-57

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	**11**		10	08/16/2023 09:47	S23081541.D
1,1-Dichloroethene	75-35-4	**26**		10	08/16/2023 09:47	S23081541.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 09:47	S23081541.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 09:47	S23081541.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 09:47	S23081541.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 09:47	S23081541.D
1,1-Dichloroethane	75-34-3	**299**		10	08/16/2023 09:47	S23081541.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/16/2023 09:47	S23081541.D
Chloroform	67-66-3	<10		10	08/16/2023 09:47	S23081541.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 09:47	S23081541.D
1,1,1-Trichloroethane	71-55-6	**228**		10	08/16/2023 09:47	S23081541.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 09:47	S23081541.D
Benzene	71-43-2	**242**		25	08/16/2023 09:47	S23081541.D
Trichloroethene	79-01-6	<10		10	08/16/2023 09:47	S23081541.D
1,4-Dioxane	123-91-1	<10		10	08/16/2023 09:47	S23081541.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 09:47	S23081541.D
Toluene	108-88-3	**110**		25	08/16/2023 09:47	S23081541.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 09:47	S23081541.D
Tetrachloroethene	127-18-4	<10		10	08/16/2023 09:47	S23081541.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 09:47	S23081541.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 09:47	S23081541.D
Ethylbenzene	100-41-4	<25		25	08/16/2023 09:47	S23081541.D
p & m-Xylene	179601-23-1	**64**		25	08/16/2023 09:47	S23081541.D
o-Xylene	95-47-6	**58**		25	08/16/2023 09:47	S23081541.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 09:47	S23081541.D
Isopropylbenzene	98-82-8	<25		25	08/16/2023 09:47	S23081541.D
1,3,5-Trimethylbenzene	108-67-8	**143**		25	08/16/2023 09:47	S23081541.D
1,2,4-Trimethylbenzene	95-63-6	**127**		25	08/16/2023 09:47	S23081541.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 09:47	S23081541.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 09:47	S23081541.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 09:47	S23081541.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 09:47	S23081541.D
Naphthalene	91-20-3	<25		25	08/16/2023 09:47	S23081541.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 09:47	S23081541.D
2-Methylnaphthalene	91-57-6	<25		25	08/16/2023 09:47	S23081541.D
∉ **TPH C4-C9**		**43,700**		5,000	08/16/2023 09:47	S23081541.D
∉ **TPH C10-C15**		**12,700**		5,000	08/16/2023 09:47	S23081541.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*107%*	*70-130*		*08/16/2023 09:47*	*S23081541.D*
Surrogate: Toluene-d8	2037-26-5	*98.9%*	*70-130*		*08/16/2023 09:47*	*S23081541.D*
Surrogate: Bromofluorobenzene	460-00-4	*103%*	*70-130*		*08/16/2023 09:47*	*S23081541.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-64

PSG-58

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/16/2023 10:16	S23081542.D
1,1-Dichloroethene	75-35-4	**12**		10	08/16/2023 10:16	S23081542.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 10:16	S23081542.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 10:16	S23081542.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 10:16	S23081542.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 10:16	S23081542.D
1,1-Dichloroethane	75-34-3	**19**		10	08/16/2023 10:16	S23081542.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/16/2023 10:16	S23081542.D
Chloroform	67-66-3	<10		10	08/16/2023 10:16	S23081542.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 10:16	S23081542.D
1,1,1-Trichloroethane	71-55-6	**73**		10	08/16/2023 10:16	S23081542.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 10:16	S23081542.D
Benzene	71-43-2	**188**		25	08/16/2023 10:16	S23081542.D
Trichloroethene	79-01-6	<10		10	08/16/2023 10:16	S23081542.D
1,4-Dioxane	123-91-1	<10		10	08/16/2023 10:16	S23081542.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 10:16	S23081542.D
Toluene	108-88-3	**70**		25	08/16/2023 10:16	S23081542.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 10:16	S23081542.D
Tetrachloroethene	127-18-4	<10		10	08/16/2023 10:16	S23081542.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 10:16	S23081542.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 10:16	S23081542.D
Ethylbenzene	100-41-4	<25		25	08/16/2023 10:16	S23081542.D
p & m-Xylene	179601-23-1	**63**		25	08/16/2023 10:16	S23081542.D
o-Xylene	95-47-6	**39**		25	08/16/2023 10:16	S23081542.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 10:16	S23081542.D
Isopropylbenzene	98-82-8	**34**		25	08/16/2023 10:16	S23081542.D
1,3,5-Trimethylbenzene	108-67-8	**118**		25	08/16/2023 10:16	S23081542.D
1,2,4-Trimethylbenzene	95-63-6	**89**		25	08/16/2023 10:16	S23081542.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 10:16	S23081542.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 10:16	S23081542.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 10:16	S23081542.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 10:16	S23081542.D
Naphthalene	91-20-3	<25		25	08/16/2023 10:16	S23081542.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 10:16	S23081542.D
2-Methylnaphthalene	91-57-6	<25		25	08/16/2023 10:16	S23081542.D
∉ TPH C4-C9		<5,000		5,000	08/16/2023 10:16	S23081542.D
∉ **TPH C10-C15**		**9,040**		5,000	08/16/2023 10:16	S23081542.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*92.5%*	*70-130*		*08/16/2023 10:16*	*S23081542.D*
Surrogate: Toluene-d8	2037-26-5	*98.3%*	*70-130*		*08/16/2023 10:16*	*S23081542.D*
Surrogate: Bromofluorobenzene	460-00-4	*103%*	*70-130*		*08/16/2023 10:16*	*S23081542.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-65

PSG-59

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	**23**		10	08/16/2023 10:44	S23081543.D
1,1-Dichloroethene	75-35-4	**15**		10	08/16/2023 10:44	S23081543.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 10:44	S23081543.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 10:44	S23081543.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 10:44	S23081543.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 10:44	S23081543.D
1,1-Dichloroethane	75-34-3	**1,260**	D	190	08/16/2023 20:21	C23081607.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/16/2023 10:44	S23081543.D
Chloroform	67-66-3	<10		10	08/16/2023 10:44	S23081543.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 10:44	S23081543.D
1,1,1-Trichloroethane	71-55-6	**114**		10	08/16/2023 10:44	S23081543.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 10:44	S23081543.D
Benzene	71-43-2	**61**		25	08/16/2023 10:44	S23081543.D
Trichloroethene	79-01-6	<10		10	08/16/2023 10:44	S23081543.D
1,4-Dioxane	123-91-1	**917**	D	190	08/16/2023 20:21	C23081607.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 10:44	S23081543.D
Toluene	108-88-3	**34**		25	08/16/2023 10:44	S23081543.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 10:44	S23081543.D
Tetrachloroethene	127-18-4	**71**		10	08/16/2023 10:44	S23081543.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 10:44	S23081543.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 10:44	S23081543.D
Ethylbenzene	100-41-4	**73**		25	08/16/2023 10:44	S23081543.D
p & m-Xylene	179601-23-1	**345**		25	08/16/2023 10:44	S23081543.D
o-Xylene	95-47-6	**171**		25	08/16/2023 10:44	S23081543.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 10:44	S23081543.D
Isopropylbenzene	98-82-8	<25		25	08/16/2023 10:44	S23081543.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/16/2023 10:44	S23081543.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/16/2023 10:44	S23081543.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 10:44	S23081543.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 10:44	S23081543.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 10:44	S23081543.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 10:44	S23081543.D
Naphthalene	91-20-3	<25		25	08/16/2023 10:44	S23081543.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 10:44	S23081543.D
2-Methylnaphthalene	91-57-6	<25		25	08/16/2023 10:44	S23081543.D
∉ TPH C4-C9		<5,000		5,000	08/16/2023 10:44	S23081543.D
∉ **TPH C10-C15**		**15,400**		5,000	08/16/2023 10:44	S23081543.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*113%*	*70-130*		*08/16/2023 20:21*	*C23081607.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*93.3%*	*70-130*		*08/16/2023 10:44*	*S23081543.D*
Surrogate: Toluene-d8	2037-26-5	*99.4%*	*70-130*		*08/16/2023 20:21*	*C23081607.D*
Surrogate: Toluene-d8	2037-26-5	*97.7%*	*70-130*		*08/16/2023 10:44*	*S23081543.D*
Surrogate: Bromofluorobenzene	460-00-4	*104%*	*70-130*		*08/16/2023 10:44*	*S23081543.D*
Surrogate: Bromofluorobenzene	460-00-4	*93.8%*	*70-130*		*08/16/2023 20:21*	*C23081607.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-66

PSG-60

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/16/2023 11:13	S23081544.D
1,1-Dichloroethene	75-35-4	<10		10	08/16/2023 11:13	S23081544.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 11:13	S23081544.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 11:13	S23081544.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 11:13	S23081544.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 11:13	S23081544.D
1,1-Dichloroethane	75-34-3	<10		10	08/16/2023 11:13	S23081544.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/16/2023 11:13	S23081544.D
Chloroform	67-66-3	<10		10	08/16/2023 11:13	S23081544.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 11:13	S23081544.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/16/2023 11:13	S23081544.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 11:13	S23081544.D
Benzene	71-43-2	**76**		25	08/16/2023 11:13	S23081544.D
Trichloroethene	79-01-6	<10		10	08/16/2023 11:13	S23081544.D
1,4-Dioxane	123-91-1	<10		10	08/16/2023 11:13	S23081544.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 11:13	S23081544.D
Toluene	108-88-3	<25		25	08/16/2023 11:13	S23081544.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 11:13	S23081544.D
Tetrachloroethene	127-18-4	**333**		10	08/16/2023 11:13	S23081544.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 11:13	S23081544.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 11:13	S23081544.D
Ethylbenzene	100-41-4	<25		25	08/16/2023 11:13	S23081544.D
p & m-Xylene	179601-23-1	<25		25	08/16/2023 11:13	S23081544.D
o-Xylene	95-47-6	<25		25	08/16/2023 11:13	S23081544.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 11:13	S23081544.D
Isopropylbenzene	98-82-8	<25		25	08/16/2023 11:13	S23081544.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/16/2023 11:13	S23081544.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/16/2023 11:13	S23081544.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 11:13	S23081544.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 11:13	S23081544.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 11:13	S23081544.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 11:13	S23081544.D
Naphthalene	91-20-3	<25		25	08/16/2023 11:13	S23081544.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 11:13	S23081544.D
2-Methylnaphthalene	91-57-6	<25		25	08/16/2023 11:13	S23081544.D
∉ TPH C4-C9		<5,000		5,000	08/16/2023 11:13	S23081544.D
∉ TPH C10-C15		<5,000		5,000	08/16/2023 11:13	S23081544.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*92.8%*	*70-130*		*08/16/2023 11:13*	*S23081544.D*
Surrogate: Toluene-d8	2037-26-5	*97.8%*	*70-130*		*08/16/2023 11:13*	*S23081544.D*
Surrogate: Bromofluorobenzene	460-00-4	*104%*	*70-130*		*08/16/2023 11:13*	*S23081544.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-67

PSG-61

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/16/2023 11:43	S23081545.D
1,1-Dichloroethene	75-35-4	**21**		10	08/16/2023 11:43	S23081545.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 11:43	S23081545.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 11:43	S23081545.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 11:43	S23081545.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 11:43	S23081545.D
1,1-Dichloroethane	75-34-3	**332**		10	08/16/2023 11:43	S23081545.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/16/2023 11:43	S23081545.D
Chloroform	67-66-3	<10		10	08/16/2023 11:43	S23081545.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 11:43	S23081545.D
1,1,1-Trichloroethane	71-55-6	**68**		10	08/16/2023 11:43	S23081545.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 11:43	S23081545.D
Benzene	71-43-2	**1,080**		25	08/16/2023 11:43	S23081545.D
Trichloroethene	79-01-6	**12**		10	08/16/2023 11:43	S23081545.D
1,4-Dioxane	123-91-1	**86**		10	08/16/2023 11:43	S23081545.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 11:43	S23081545.D
Toluene	108-88-3	**468**		25	08/16/2023 11:43	S23081545.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 11:43	S23081545.D
Tetrachloroethene	127-18-4	<10		10	08/16/2023 11:43	S23081545.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 11:43	S23081545.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 11:43	S23081545.D
Ethylbenzene	100-41-4	**158**		25	08/16/2023 11:43	S23081545.D
p & m-Xylene	179601-23-1	**513**		25	08/16/2023 11:43	S23081545.D
o-Xylene	95-47-6	**757**		25	08/16/2023 11:43	S23081545.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 11:43	S23081545.D
Isopropylbenzene	98-82-8	**265**		25	08/16/2023 11:43	S23081545.D
1,3,5-Trimethylbenzene	108-67-8	**544**		25	08/16/2023 11:43	S23081545.D
1,2,4-Trimethylbenzene	95-63-6	**662**		25	08/16/2023 11:43	S23081545.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 11:43	S23081545.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 11:43	S23081545.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 11:43	S23081545.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 11:43	S23081545.D
Naphthalene	91-20-3	**105**		25	08/16/2023 11:43	S23081545.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 11:43	S23081545.D
2-Methylnaphthalene	91-57-6	**67**		25	08/16/2023 11:43	S23081545.D
∉ **TPH C4-C9**		**52,800**		5,000	08/16/2023 11:43	S23081545.D
∉ **TPH C10-C15**		**48,600**		5,000	08/16/2023 11:43	S23081545.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*87.8%*	*70-130*		*08/16/2023 11:43*	*S23081545.D*
Surrogate: Toluene-d8	2037-26-5	*226%*	*70-130*	*S4*	*08/16/2023 11:43*	*S23081545.D*
Surrogate: Bromofluorobenzene	460-00-4	*111%*	*70-130*		*08/16/2023 11:43*	*S23081545.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-68

PSG-61-Dup

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	**16**		10	08/16/2023 12:12	S23081546.D
1,1-Dichloroethene	75-35-4	**24**		10	08/16/2023 12:12	S23081546.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 12:12	S23081546.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 12:12	S23081546.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 12:12	S23081546.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 12:12	S23081546.D
1,1-Dichloroethane	75-34-3	**308**		10	08/16/2023 12:12	S23081546.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/16/2023 12:12	S23081546.D
Chloroform	67-66-3	<10		10	08/16/2023 12:12	S23081546.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 12:12	S23081546.D
1,1,1-Trichloroethane	71-55-6	**63**		10	08/16/2023 12:12	S23081546.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 12:12	S23081546.D
Benzene	71-43-2	**850**		25	08/16/2023 12:12	S23081546.D
Trichloroethene	79-01-6	<10		10	08/16/2023 12:12	S23081546.D
1,4-Dioxane	123-91-1	**79**		10	08/16/2023 12:12	S23081546.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 12:12	S23081546.D
Toluene	108-88-3	**353**		25	08/16/2023 12:12	S23081546.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 12:12	S23081546.D
Tetrachloroethene	127-18-4	<10		10	08/16/2023 12:12	S23081546.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 12:12	S23081546.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 12:12	S23081546.D
Ethylbenzene	100-41-4	**138**		25	08/16/2023 12:12	S23081546.D
p & m-Xylene	179601-23-1	**520**		25	08/16/2023 12:12	S23081546.D
o-Xylene	95-47-6	**747**		25	08/16/2023 12:12	S23081546.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 12:12	S23081546.D
Isopropylbenzene	98-82-8	**268**		25	08/16/2023 12:12	S23081546.D
1,3,5-Trimethylbenzene	108-67-8	**529**		25	08/16/2023 12:12	S23081546.D
1,2,4-Trimethylbenzene	95-63-6	**700**		25	08/16/2023 12:12	S23081546.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 12:12	S23081546.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 12:12	S23081546.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 12:12	S23081546.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 12:12	S23081546.D
Naphthalene	91-20-3	**102**		25	08/16/2023 12:12	S23081546.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 12:12	S23081546.D
2-Methylnaphthalene	91-57-6	**61**		25	08/16/2023 12:12	S23081546.D
⋐ **TPH C4-C9**		**45,600**		5,000	08/16/2023 12:12	S23081546.D
⋐ **TPH C10-C15**		**45,400**		5,000	08/16/2023 12:12	S23081546.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*92.6%*	*70-130*		*08/16/2023 12:12*	*S23081546.D*
Surrogate: Toluene-d8	2037-26-5	*211%*	*70-130*	*S4*	*08/16/2023 12:12*	*S23081546.D*
Surrogate: Bromofluorobenzene	460-00-4	*108%*	*70-130*		*08/16/2023 12:12*	*S23081546.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-69

PSG-62

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/16/2023 12:41	S23081547.D
1,1-Dichloroethene	75-35-4	**169**		10	08/16/2023 12:41	S23081547.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 12:41	S23081547.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 12:41	S23081547.D
trans-1,2-Dichloroethene	156-60-5	**149**		10	08/16/2023 12:41	S23081547.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 12:41	S23081547.D
1,1-Dichloroethane	75-34-3	<10		10	08/16/2023 12:41	S23081547.D
cis-1,2-Dichloroethene	156-59-2	**688**		10	08/16/2023 12:41	S23081547.D
Chloroform	67-66-3	<10		10	08/16/2023 12:41	S23081547.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 12:41	S23081547.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/16/2023 12:41	S23081547.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 12:41	S23081547.D
Benzene	71-43-2	**103**		25	08/16/2023 12:41	S23081547.D
Trichloroethene	79-01-6	**26,300**	D	190	08/16/2023 20:49	C23081608.D
1,4-Dioxane	123-91-1	<10		10	08/16/2023 12:41	S23081547.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 12:41	S23081547.D
Toluene	108-88-3	**80**		25	08/16/2023 12:41	S23081547.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 12:41	S23081547.D
Tetrachloroethene	127-18-4	**359**		10	08/16/2023 12:41	S23081547.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 12:41	S23081547.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 12:41	S23081547.D
Ethylbenzene	100-41-4	<25		25	08/16/2023 12:41	S23081547.D
p & m-Xylene	179601-23-1	**45**		25	08/16/2023 12:41	S23081547.D
o-Xylene	95-47-6	**38**		25	08/16/2023 12:41	S23081547.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 12:41	S23081547.D
Isopropylbenzene	98-82-8	<25		25	08/16/2023 12:41	S23081547.D
1,3,5-Trimethylbenzene	108-67-8	**46**		25	08/16/2023 12:41	S23081547.D
1,2,4-Trimethylbenzene	95-63-6	**45**		25	08/16/2023 12:41	S23081547.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 12:41	S23081547.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 12:41	S23081547.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 12:41	S23081547.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 12:41	S23081547.D
Naphthalene	91-20-3	**31**		25	08/16/2023 12:41	S23081547.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 12:41	S23081547.D
2-Methylnaphthalene	91-57-6	<25		25	08/16/2023 12:41	S23081547.D
⋐ **TPH C4-C9**		**84,500**		5,000	08/16/2023 12:41	S23081547.D
⋐ **TPH C10-C15**		**352,000**		5,000	08/16/2023 12:41	S23081547.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*104%*	*70-130*		*08/16/2023 20:49*	*C23081608.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*70.9%*	*70-130*		*08/16/2023 12:41*	*S23081547.D*
Surrogate: Toluene-d8	2037-26-5	*95.1%*	*70-130*		*08/16/2023 20:49*	*C23081608.D*
Surrogate: Toluene-d8	2037-26-5	*97.8%*	*70-130*		*08/16/2023 12:41*	*S23081547.D*
Surrogate: Bromofluorobenzene	460-00-4	*129%*	*70-130*		*08/16/2023 20:49*	*C23081608.D*
Surrogate: Bromofluorobenzene	460-00-4	*108%*	*70-130*		*08/16/2023 12:41*	*S23081547.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-70

PSG-63

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/16/2023 13:10	S23081548.D
1,1-Dichloroethene	75-35-4	**18**		10	08/16/2023 13:10	S23081548.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 13:10	S23081548.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 13:10	S23081548.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 13:10	S23081548.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 13:10	S23081548.D
1,1-Dichloroethane	75-34-3	<10		10	08/16/2023 13:10	S23081548.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/16/2023 13:10	S23081548.D
Chloroform	67-66-3	**18**		10	08/16/2023 13:10	S23081548.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 13:10	S23081548.D
1,1,1-Trichloroethane	71-55-6	**25**		10	08/16/2023 13:10	S23081548.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 13:10	S23081548.D
Benzene	71-43-2	**39**		25	08/16/2023 13:10	S23081548.D
Trichloroethene	79-01-6	**36**		10	08/16/2023 13:10	S23081548.D
1,4-Dioxane	123-91-1	**22**		10	08/16/2023 13:10	S23081548.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 13:10	S23081548.D
Toluene	108-88-3	<25		25	08/16/2023 13:10	S23081548.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 13:10	S23081548.D
Tetrachloroethene	127-18-4	**59**		10	08/16/2023 13:10	S23081548.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 13:10	S23081548.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 13:10	S23081548.D
Ethylbenzene	100-41-4	<25		25	08/16/2023 13:10	S23081548.D
p & m-Xylene	179601-23-1	**54**		25	08/16/2023 13:10	S23081548.D
o-Xylene	95-47-6	**30**		25	08/16/2023 13:10	S23081548.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 13:10	S23081548.D
Isopropylbenzene	98-82-8	<25		25	08/16/2023 13:10	S23081548.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/16/2023 13:10	S23081548.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/16/2023 13:10	S23081548.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 13:10	S23081548.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 13:10	S23081548.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 13:10	S23081548.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 13:10	S23081548.D
Naphthalene	91-20-3	<25		25	08/16/2023 13:10	S23081548.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 13:10	S23081548.D
2-Methylnaphthalene	91-57-6	<25		25	08/16/2023 13:10	S23081548.D
∉ TPH C4-C9		<5,000		5,000	08/16/2023 13:10	S23081548.D
∉ **TPH C10-C15**		**15,200**		5,000	08/16/2023 13:10	S23081548.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*86.4%*	*70-130*		*08/16/2023 13:10*	*S23081548.D*
Surrogate: Toluene-d8	2037-26-5	*95.4%*	*70-130*		*08/16/2023 13:10*	*S23081548.D*
Surrogate: Bromofluorobenzene	460-00-4	*106%*	*70-130*		*08/16/2023 13:10*	*S23081548.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-71

PSG-64

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	Analyzed	File ID
Vinyl Chloride	75-01-4	<10		10	08/16/2023 13:39	S23081549.D
1,1-Dichloroethene	75-35-4	<10		10	08/16/2023 13:39	S23081549.D
Methylene Chloride	75-09-2	<10		10	08/16/2023 13:39	S23081549.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10		10	08/16/2023 13:39	S23081549.D
trans-1,2-Dichloroethene	156-60-5	<10		10	08/16/2023 13:39	S23081549.D
Methyl-t-butyl ether	1634-04-4	<25		25	08/16/2023 13:39	S23081549.D
1,1-Dichloroethane	75-34-3	<10		10	08/16/2023 13:39	S23081549.D
cis-1,2-Dichloroethene	156-59-2	<10		10	08/16/2023 13:39	S23081549.D
Chloroform	67-66-3	<10		10	08/16/2023 13:39	S23081549.D
1,2-Dichloroethane	107-06-2	<10		10	08/16/2023 13:39	S23081549.D
1,1,1-Trichloroethane	71-55-6	<10		10	08/16/2023 13:39	S23081549.D
Carbon Tetrachloride	56-23-5	<10		10	08/16/2023 13:39	S23081549.D
Benzene	71-43-2	<25		25	08/16/2023 13:39	S23081549.D
Trichloroethene	79-01-6	<10		10	08/16/2023 13:39	S23081549.D
1,4-Dioxane	123-91-1	<10		10	08/16/2023 13:39	S23081549.D
1,1,2-Trichloroethane	79-00-5	<10		10	08/16/2023 13:39	S23081549.D
Toluene	108-88-3	<25		25	08/16/2023 13:39	S23081549.D
1,2-Dibromoethane (EDB)	106-93-4	<5		5	08/16/2023 13:39	S23081549.D
Tetrachloroethene	127-18-4	**11**		10	08/16/2023 13:39	S23081549.D
1,1,1,2-Tetrachloroethane	630-20-6	<10		10	08/16/2023 13:39	S23081549.D
Chlorobenzene	108-90-7	<10		10	08/16/2023 13:39	S23081549.D
Ethylbenzene	100-41-4	<25		25	08/16/2023 13:39	S23081549.D
p & m-Xylene	179601-23-1	<25		25	08/16/2023 13:39	S23081549.D
o-Xylene	95-47-6	<25		25	08/16/2023 13:39	S23081549.D
1,2,3-Trichloropropane	96-18-4	<10		10	08/16/2023 13:39	S23081549.D
Isopropylbenzene	98-82-8	<25		25	08/16/2023 13:39	S23081549.D
1,3,5-Trimethylbenzene	108-67-8	<25		25	08/16/2023 13:39	S23081549.D
1,2,4-Trimethylbenzene	95-63-6	<25		25	08/16/2023 13:39	S23081549.D
1,3-Dichlorobenzene	541-73-1	<10		10	08/16/2023 13:39	S23081549.D
1,4-Dichlorobenzene	106-46-7	<10		10	08/16/2023 13:39	S23081549.D
1,2-Dichlorobenzene	95-50-1	<10		10	08/16/2023 13:39	S23081549.D
1,2,4-Trichlorobenzene	120-82-1	<10		10	08/16/2023 13:39	S23081549.D
Naphthalene	91-20-3	<25		25	08/16/2023 13:39	S23081549.D
1,2,3-Trichlorobenzene	87-61-6	<10		10	08/16/2023 13:39	S23081549.D
2-Methylnaphthalene	91-57-6	<25		25	08/16/2023 13:39	S23081549.D
∉ TPH C4-C9		<5,000		5,000	08/16/2023 13:39	S23081549.D
∉ **TPH C10-C15**		**10,600**		5,000	08/16/2023 13:39	S23081549.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*76.8%*	*70-130*		*08/16/2023 13:39*	*S23081549.D*
Surrogate: Toluene-d8	2037-26-5	*94.5%*	*70-130*		*08/16/2023 13:39*	*S23081549.D*
Surrogate: Bromofluorobenzene	460-00-4	*104%*	*70-130*		*08/16/2023 13:39*	*S23081549.D*

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Detailed Analytical Results- Concentration

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-01

Trip 1

Air

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.56		0.56	08/14/2023 16:34	S23081405.D
1,1-Dichloroethene	75-35-4	<1.38		1.38	08/14/2023 16:34	S23081405.D
Methylene Chloride	75-09-2	<1.31		1.31	08/14/2023 16:34	S23081405.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.51		0.51	08/14/2023 16:34	S23081405.D
trans-1,2-Dichloroethene	156-60-5	<1.04		1.04	08/14/2023 16:34	S23081405.D
Methyl-t-butyl ether	1634-04-4	<2.29		2.29	08/14/2023 16:34	S23081405.D
1,1-Dichloroethane	75-34-3	<0.54		0.54	08/14/2023 16:34	S23081405.D
cis-1,2-Dichloroethene	156-59-2	<0.86		0.86	08/14/2023 16:34	S23081405.D
Chloroform	67-66-3	<1.31		1.31	08/14/2023 16:34	S23081405.D
1,2-Dichloroethane	107-06-2	<0.82		0.82	08/14/2023 16:34	S23081405.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	08/14/2023 16:34	S23081405.D
Carbon Tetrachloride	56-23-5	<1.06		1.06	08/14/2023 16:34	S23081405.D
Benzene	71-43-2	<2.16		2.16	08/14/2023 16:34	S23081405.D
Trichloroethene	79-01-6	<1.38		1.38	08/14/2023 16:34	S23081405.D
1,4-Dioxane	123-91-1	<1.11		1.11	08/14/2023 16:34	S23081405.D
1,1,2-Trichloroethane	79-00-5	<1.38		1.38	08/14/2023 16:34	S23081405.D
Toluene	108-88-3	<2.86		2.86	08/14/2023 16:34	S23081405.D
1,2-Dibromoethane (EDB)	106-93-4	<0.59		0.59	08/14/2023 16:34	S23081405.D
Tetrachloroethene	127-18-4	<1.11		1.11	08/14/2023 16:34	S23081405.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.11		1.11	08/14/2023 16:34	S23081405.D
Chlorobenzene	108-90-7	<0.54		0.54	08/14/2023 16:34	S23081405.D
Ethylbenzene	100-41-4	<1.34		1.34	08/14/2023 16:34	S23081405.D
p & m-Xylene	179601-23-1	<1.30		1.30	08/14/2023 16:34	S23081405.D
o-Xylene	95-47-6	<1.30		1.30	08/14/2023 16:34	S23081405.D
1,2,3-Trichloropropane	96-18-4	<0.61		0.61	08/14/2023 16:34	S23081405.D
Isopropylbenzene	98-82-8	<1.38		1.38	08/14/2023 16:34	S23081405.D
1,3,5-Trimethylbenzene	108-67-8	<1.38		1.38	08/14/2023 16:34	S23081405.D
1,2,4-Trimethylbenzene	95-63-6	<1.38		1.38	08/14/2023 16:34	S23081405.D
1,3-Dichlorobenzene	541-73-1	<0.61		0.61	08/14/2023 16:34	S23081405.D
1,4-Dichlorobenzene	106-46-7	<0.61		0.61	08/14/2023 16:34	S23081405.D
1,2-Dichlorobenzene	95-50-1	<0.61		0.61	08/14/2023 16:34	S23081405.D
1,2,4-Trichlorobenzene	120-82-1	<1.17		1.17	08/14/2023 16:34	S23081405.D
Naphthalene	91-20-3	<1.43		1.43	08/14/2023 16:34	S23081405.D
1,2,3-Trichlorobenzene	87-61-6	<1.17		1.17	08/14/2023 16:34	S23081405.D
2-Methylnaphthalene	91-57-6	<1.50		1.50	08/14/2023 16:34	S23081405.D
∉ TPH C4-C9		<387		387	08/14/2023 16:34	S23081405.D
∉ TPH C10-C15		<331		331	08/14/2023 16:34	S23081405.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*112%*	*70-130*		*08/14/2023 16:34*	*S23081405.D*
Surrogate: Toluene-d8	2037-26-5	*97.3%*	*70-130*		*08/14/2023 16:34*	*S23081405.D*
Surrogate: Bromofluorobenzene	460-00-4	*85.1%*	*70-130*		*08/14/2023 16:34*	*S23081405.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-02

PSG-01

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.57		0.57	08/14/2023 17:03	S23081406.D
1,1-Dichloroethene	75-35-4	<1.40		1.40	08/14/2023 17:03	S23081406.D
Methylene Chloride	75-09-2	<1.32		1.32	08/14/2023 17:03	S23081406.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	08/14/2023 17:03	S23081406.D
trans-1,2-Dichloroethene	156-60-5	<1.05		1.05	08/14/2023 17:03	S23081406.D
Methyl-t-butyl ether	1634-04-4	<2.31		2.31	08/14/2023 17:03	S23081406.D
1,1-Dichloroethane	75-34-3	<0.54		0.54	08/14/2023 17:03	S23081406.D
cis-1,2-Dichloroethene	156-59-2	<0.87		0.87	08/14/2023 17:03	S23081406.D
Chloroform	67-66-3	<1.32		1.32	08/14/2023 17:03	S23081406.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	08/14/2023 17:03	S23081406.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	08/14/2023 17:03	S23081406.D
Carbon Tetrachloride	56-23-5	<1.08		1.08	08/14/2023 17:03	S23081406.D
Benzene	71-43-2	<2.18		2.18	08/14/2023 17:03	S23081406.D
Trichloroethene	79-01-6	<1.40		1.40	08/14/2023 17:03	S23081406.D
1,4-Dioxane	123-91-1	<1.13		1.13	08/14/2023 17:03	S23081406.D
1,1,2-Trichloroethane	79-00-5	<1.40		1.40	08/14/2023 17:03	S23081406.D
Toluene	108-88-3	<2.89		2.89	08/14/2023 17:03	S23081406.D
1,2-Dibromoethane (EDB)	106-93-4	<0.59		0.59	08/14/2023 17:03	S23081406.D
Tetrachloroethene	127-18-4	<1.13		1.13	08/14/2023 17:03	S23081406.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.13		1.13	08/14/2023 17:03	S23081406.D
Chlorobenzene	108-90-7	<0.54		0.54	08/14/2023 17:03	S23081406.D
Ethylbenzene	100-41-4	<1.36		1.36	08/14/2023 17:03	S23081406.D
p & m-Xylene	179601-23-1	<1.31		1.31	08/14/2023 17:03	S23081406.D
o-Xylene	95-47-6	<1.31		1.31	08/14/2023 17:03	S23081406.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	08/14/2023 17:03	S23081406.D
Isopropylbenzene	98-82-8	<1.39		1.39	08/14/2023 17:03	S23081406.D
1,3,5-Trimethylbenzene	108-67-8	<1.39		1.39	08/14/2023 17:03	S23081406.D
1,2,4-Trimethylbenzene	95-63-6	<1.39		1.39	08/14/2023 17:03	S23081406.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	08/14/2023 17:03	S23081406.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	08/14/2023 17:03	S23081406.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	08/14/2023 17:03	S23081406.D
1,2,4-Trichlorobenzene	120-82-1	<1.19		1.19	08/14/2023 17:03	S23081406.D
Naphthalene	91-20-3	<1.45		1.45	08/14/2023 17:03	S23081406.D
1,2,3-Trichlorobenzene	87-61-6	<1.19		1.19	08/14/2023 17:03	S23081406.D
2-Methylnaphthalene	91-57-6	<1.52		1.52	08/14/2023 17:03	S23081406.D
∉ TPH C4-C9		<392		392	08/14/2023 17:03	S23081406.D
∉ TPH C10-C15		<335		335	08/14/2023 17:03	S23081406.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*104%*	*70-130*		*08/14/2023 17:03*	*S23081406.D*
Surrogate: Toluene-d8	2037-26-5	*93.0%*	*70-130*		*08/14/2023 17:03*	*S23081406.D*
Surrogate: Bromofluorobenzene	460-00-4	*89.6%*	*70-130*		*08/14/2023 17:03*	*S23081406.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-03

PSG-02

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.57		0.57	08/14/2023 17:32	S23081407.D
1,1-Dichloroethene	75-35-4	<1.40		1.40	08/14/2023 17:32	S23081407.D
Methylene Chloride	75-09-2	<1.32		1.32	08/14/2023 17:32	S23081407.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	08/14/2023 17:32	S23081407.D
trans-1,2-Dichloroethene	156-60-5	<1.05		1.05	08/14/2023 17:32	S23081407.D
Methyl-t-butyl ether	1634-04-4	<2.31		2.31	08/14/2023 17:32	S23081407.D
1,1-Dichloroethane	75-34-3	<0.54		0.54	08/14/2023 17:32	S23081407.D
cis-1,2-Dichloroethene	156-59-2	<0.87		0.87	08/14/2023 17:32	S23081407.D
Chloroform	67-66-3	<1.32		1.32	08/14/2023 17:32	S23081407.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	08/14/2023 17:32	S23081407.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	08/14/2023 17:32	S23081407.D
Carbon Tetrachloride	56-23-5	<1.08		1.08	08/14/2023 17:32	S23081407.D
Benzene	71-43-2	**5.67**		2.18	08/14/2023 17:32	S23081407.D
Trichloroethene	79-01-6	<1.40		1.40	08/14/2023 17:32	S23081407.D
1,4-Dioxane	123-91-1	<1.13		1.13	08/14/2023 17:32	S23081407.D
1,1,2-Trichloroethane	79-00-5	<1.40		1.40	08/14/2023 17:32	S23081407.D
Toluene	108-88-3	**3.96**		2.89	08/14/2023 17:32	S23081407.D
1,2-Dibromoethane (EDB)	106-93-4	<0.59		0.59	08/14/2023 17:32	S23081407.D
Tetrachloroethene	127-18-4	<1.13		1.13	08/14/2023 17:32	S23081407.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.13		1.13	08/14/2023 17:32	S23081407.D
Chlorobenzene	108-90-7	<0.54		0.54	08/14/2023 17:32	S23081407.D
Ethylbenzene	100-41-4	<1.36		1.36	08/14/2023 17:32	S23081407.D
p & m-Xylene	179601-23-1	**2.35**		1.32	08/14/2023 17:32	S23081407.D
o-Xylene	95-47-6	<1.32		1.32	08/14/2023 17:32	S23081407.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	08/14/2023 17:32	S23081407.D
Isopropylbenzene	98-82-8	<1.39		1.39	08/14/2023 17:32	S23081407.D
1,3,5-Trimethylbenzene	108-67-8	<1.39		1.39	08/14/2023 17:32	S23081407.D
1,2,4-Trimethylbenzene	95-63-6	**1.59**		1.39	08/14/2023 17:32	S23081407.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	08/14/2023 17:32	S23081407.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	08/14/2023 17:32	S23081407.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	08/14/2023 17:32	S23081407.D
1,2,4-Trichlorobenzene	120-82-1	<1.19		1.19	08/14/2023 17:32	S23081407.D
Naphthalene	91-20-3	<1.45		1.45	08/14/2023 17:32	S23081407.D
1,2,3-Trichlorobenzene	87-61-6	<1.19		1.19	08/14/2023 17:32	S23081407.D
2-Methylnaphthalene	91-57-6	<1.52		1.52	08/14/2023 17:32	S23081407.D
∉ TPH C4-C9		<392		392	08/14/2023 17:32	S23081407.D
∉ **TPH C10-C15**		**887**		335	08/14/2023 17:32	S23081407.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*100%*	*70-130*		*08/14/2023 17:32*	*S23081407.D*
Surrogate: Toluene-d8	2037-26-5	*98.4%*	*70-130*		*08/14/2023 17:32*	*S23081407.D*
Surrogate: Bromofluorobenzene	460-00-4	*98.6%*	*70-130*		*08/14/2023 17:32*	*S23081407.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-04

PSG-03

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/14/2023 18:01	S23081408.D
1,1-Dichloroethene	75-35-4	<1.49		1.49	08/14/2023 18:01	S23081408.D
Methylene Chloride	75-09-2	<1.40		1.40	08/14/2023 18:01	S23081408.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/14/2023 18:01	S23081408.D
trans-1,2-Dichloroethene	156-60-5	<1.11		1.11	08/14/2023 18:01	S23081408.D
Methyl-t-butyl ether	1634-04-4	<2.45		2.45	08/14/2023 18:01	S23081408.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/14/2023 18:01	S23081408.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/14/2023 18:01	S23081408.D
Chloroform	67-66-3	<1.40		1.40	08/14/2023 18:01	S23081408.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/14/2023 18:01	S23081408.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/14/2023 18:01	S23081408.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/14/2023 18:01	S23081408.D
Benzene	71-43-2	**3.80**		2.31	08/14/2023 18:01	S23081408.D
Trichloroethene	79-01-6	<1.49		1.49	08/14/2023 18:01	S23081408.D
1,4-Dioxane	123-91-1	<1.20		1.20	08/14/2023 18:01	S23081408.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/14/2023 18:01	S23081408.D
Toluene	108-88-3	**3.24**		3.06	08/14/2023 18:01	S23081408.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/14/2023 18:01	S23081408.D
Tetrachloroethene	127-18-4	<1.20		1.20	08/14/2023 18:01	S23081408.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/14/2023 18:01	S23081408.D
Chlorobenzene	108-90-7	<0.58		0.58	08/14/2023 18:01	S23081408.D
Ethylbenzene	100-41-4	<1.44		1.44	08/14/2023 18:01	S23081408.D
p & m-Xylene	179601-23-1	<1.39		1.39	08/14/2023 18:01	S23081408.D
o-Xylene	95-47-6	<1.39		1.39	08/14/2023 18:01	S23081408.D
1,2,3-Trichloropropane	96-18-4	<0.65		0.65	08/14/2023 18:01	S23081408.D
Isopropylbenzene	98-82-8	<1.48		1.48	08/14/2023 18:01	S23081408.D
1,3,5-Trimethylbenzene	108-67-8	<1.48		1.48	08/14/2023 18:01	S23081408.D
1,2,4-Trimethylbenzene	95-63-6	<1.48		1.48	08/14/2023 18:01	S23081408.D
1,3-Dichlorobenzene	541-73-1	<0.65		0.65	08/14/2023 18:01	S23081408.D
1,4-Dichlorobenzene	106-46-7	<0.65		0.65	08/14/2023 18:01	S23081408.D
1,2-Dichlorobenzene	95-50-1	<0.65		0.65	08/14/2023 18:01	S23081408.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/14/2023 18:01	S23081408.D
Naphthalene	91-20-3	<1.53		1.53	08/14/2023 18:01	S23081408.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/14/2023 18:01	S23081408.D
2-Methylnaphthalene	91-57-6	<1.61		1.61	08/14/2023 18:01	S23081408.D
∉ TPH C4-C9		<416		416	08/14/2023 18:01	S23081408.D
∉ **TPH C10-C15**		**959**		355	08/14/2023 18:01	S23081408.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*98.7%*	*70-130*		*08/14/2023 18:01*	*S23081408.D*
Surrogate: Toluene-d8	2037-26-5	*99.9%*	*70-130*		*08/14/2023 18:01*	*S23081408.D*
Surrogate: Bromofluorobenzene	460-00-4	*98.2%*	*70-130*		*08/14/2023 18:01*	*S23081408.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-05

PSG-04

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/14/2023 18:30	S23081409.D
1,1-Dichloroethene	75-35-4	<1.49		1.49	08/14/2023 18:30	S23081409.D
Methylene Chloride	75-09-2	<1.40		1.40	08/14/2023 18:30	S23081409.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/14/2023 18:30	S23081409.D
trans-1,2-Dichloroethene	156-60-5	<1.11		1.11	08/14/2023 18:30	S23081409.D
Methyl-t-butyl ether	1634-04-4	<2.45		2.45	08/14/2023 18:30	S23081409.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/14/2023 18:30	S23081409.D
cis-1,2-Dichloroethene	156-59-2	<0.92		0.92	08/14/2023 18:30	S23081409.D
Chloroform	67-66-3	<1.40		1.40	08/14/2023 18:30	S23081409.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/14/2023 18:30	S23081409.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/14/2023 18:30	S23081409.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/14/2023 18:30	S23081409.D
Benzene	71-43-2	**4.41**		2.31	08/14/2023 18:30	S23081409.D
Trichloroethene	79-01-6	<1.49		1.49	08/14/2023 18:30	S23081409.D
1,4-Dioxane	123-91-1	<1.20		1.20	08/14/2023 18:30	S23081409.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/14/2023 18:30	S23081409.D
Toluene	108-88-3	<3.06		3.06	08/14/2023 18:30	S23081409.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/14/2023 18:30	S23081409.D
Tetrachloroethene	127-18-4	<1.20		1.20	08/14/2023 18:30	S23081409.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/14/2023 18:30	S23081409.D
Chlorobenzene	108-90-7	<0.58		0.58	08/14/2023 18:30	S23081409.D
Ethylbenzene	100-41-4	<1.44		1.44	08/14/2023 18:30	S23081409.D
p & m-Xylene	179601-23-1	<1.39		1.39	08/14/2023 18:30	S23081409.D
o-Xylene	95-47-6	<1.39		1.39	08/14/2023 18:30	S23081409.D
1,2,3-Trichloropropane	96-18-4	<0.65		0.65	08/14/2023 18:30	S23081409.D
Isopropylbenzene	98-82-8	<1.48		1.48	08/14/2023 18:30	S23081409.D
1,3,5-Trimethylbenzene	108-67-8	<1.48		1.48	08/14/2023 18:30	S23081409.D
1,2,4-Trimethylbenzene	95-63-6	<1.48		1.48	08/14/2023 18:30	S23081409.D
1,3-Dichlorobenzene	541-73-1	<0.65		0.65	08/14/2023 18:30	S23081409.D
1,4-Dichlorobenzene	106-46-7	<0.65		0.65	08/14/2023 18:30	S23081409.D
1,2-Dichlorobenzene	95-50-1	<0.65		0.65	08/14/2023 18:30	S23081409.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/14/2023 18:30	S23081409.D
Naphthalene	91-20-3	<1.53		1.53	08/14/2023 18:30	S23081409.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/14/2023 18:30	S23081409.D
2-Methylnaphthalene	91-57-6	<1.61		1.61	08/14/2023 18:30	S23081409.D
∉ TPH C4-C9		<415		415	08/14/2023 18:30	S23081409.D
∉ **TPH C10-C15**		**400**		355	08/14/2023 18:30	S23081409.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*101%*	*70-130*		*08/14/2023 18:30*	*S23081409.D*
Surrogate: Toluene-d8	2037-26-5	*96.5%*	*70-130*		*08/14/2023 18:30*	*S23081409.D*
Surrogate: Bromofluorobenzene	460-00-4	*97.0%*	*70-130*		*08/14/2023 18:30*	*S23081409.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-06

PSG-05

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.58		0.58	08/14/2023 19:00	S23081410.D
1,1-Dichloroethene	75-35-4	<1.41		1.41	08/14/2023 19:00	S23081410.D
Methylene Chloride	75-09-2	<1.33		1.33	08/14/2023 19:00	S23081410.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	08/14/2023 19:00	S23081410.D
trans-1,2-Dichloroethene	156-60-5	<1.06		1.06	08/14/2023 19:00	S23081410.D
Methyl-t-butyl ether	1634-04-4	<2.33		2.33	08/14/2023 19:00	S23081410.D
1,1-Dichloroethane	75-34-3	<0.55		0.55	08/14/2023 19:00	S23081410.D
cis-1,2-Dichloroethene	156-59-2	<0.88		0.88	08/14/2023 19:00	S23081410.D
Chloroform	67-66-3	<1.33		1.33	08/14/2023 19:00	S23081410.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	08/14/2023 19:00	S23081410.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	08/14/2023 19:00	S23081410.D
Carbon Tetrachloride	56-23-5	<1.09		1.09	08/14/2023 19:00	S23081410.D
Benzene	71-43-2	**7.57**		2.20	08/14/2023 19:00	S23081410.D
Trichloroethene	79-01-6	<1.41		1.41	08/14/2023 19:00	S23081410.D
1,4-Dioxane	123-91-1	<1.14		1.14	08/14/2023 19:00	S23081410.D
1,1,2-Trichloroethane	79-00-5	<1.41		1.41	08/14/2023 19:00	S23081410.D
Toluene	108-88-3	**6.37**		2.92	08/14/2023 19:00	S23081410.D
1,2-Dibromoethane (EDB)	106-93-4	<0.60		0.60	08/14/2023 19:00	S23081410.D
Tetrachloroethene	127-18-4	<1.14		1.14	08/14/2023 19:00	S23081410.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.14		1.14	08/14/2023 19:00	S23081410.D
Chlorobenzene	108-90-7	<0.55		0.55	08/14/2023 19:00	S23081410.D
Ethylbenzene	100-41-4	<1.37		1.37	08/14/2023 19:00	S23081410.D
p & m-Xylene	179601-23-1	**2.38**		1.33	08/14/2023 19:00	S23081410.D
o-Xylene	95-47-6	**1.41**		1.33	08/14/2023 19:00	S23081410.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	08/14/2023 19:00	S23081410.D
Isopropylbenzene	98-82-8	<1.41		1.41	08/14/2023 19:00	S23081410.D
1,3,5-Trimethylbenzene	108-67-8	**1.49**		1.41	08/14/2023 19:00	S23081410.D
1,2,4-Trimethylbenzene	95-63-6	**4.60**		1.41	08/14/2023 19:00	S23081410.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	08/14/2023 19:00	S23081410.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	08/14/2023 19:00	S23081410.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	08/14/2023 19:00	S23081410.D
1,2,4-Trichlorobenzene	120-82-1	<1.20		1.20	08/14/2023 19:00	S23081410.D
Naphthalene	91-20-3	**1.84**		1.46	08/14/2023 19:00	S23081410.D
1,2,3-Trichlorobenzene	87-61-6	<1.20		1.20	08/14/2023 19:00	S23081410.D
2-Methylnaphthalene	91-57-6	**2.06**		1.54	08/14/2023 19:00	S23081410.D
∉ **TPH C4-C9**		**884**		395	08/14/2023 19:00	S23081410.D
∉ **TPH C10-C15**		**6,550**		338	08/14/2023 19:00	S23081410.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*98.7%*	*70-130*		*08/14/2023 19:00*	*S23081410.D*
Surrogate: Toluene-d8	2037-26-5	*120%*	*70-130*		*08/14/2023 19:00*	*S23081410.D*
Surrogate: Bromofluorobenzene	460-00-4	*101%*	*70-130*		*08/14/2023 19:00*	*S23081410.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-07

PSG-06

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.58		0.58	08/14/2023 19:29	S23081411.D
1,1-Dichloroethene	75-35-4	<1.41		1.41	08/14/2023 19:29	S23081411.D
Methylene Chloride	75-09-2	<1.33		1.33	08/14/2023 19:29	S23081411.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	08/14/2023 19:29	S23081411.D
trans-1,2-Dichloroethene	156-60-5	<1.06		1.06	08/14/2023 19:29	S23081411.D
Methyl-t-butyl ether	1634-04-4	<2.33		2.33	08/14/2023 19:29	S23081411.D
1,1-Dichloroethane	75-34-3	<0.55		0.55	08/14/2023 19:29	S23081411.D
cis-1,2-Dichloroethene	156-59-2	<0.88		0.88	08/14/2023 19:29	S23081411.D
Chloroform	67-66-3	<1.33		1.33	08/14/2023 19:29	S23081411.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	08/14/2023 19:29	S23081411.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	08/14/2023 19:29	S23081411.D
Carbon Tetrachloride	56-23-5	<1.09		1.09	08/14/2023 19:29	S23081411.D
Benzene	71-43-2	**15.3**		2.20	08/14/2023 19:29	S23081411.D
Trichloroethene	79-01-6	<1.41		1.41	08/14/2023 19:29	S23081411.D
1,4-Dioxane	123-91-1	<1.14		1.14	08/14/2023 19:29	S23081411.D
1,1,2-Trichloroethane	79-00-5	<1.41		1.41	08/14/2023 19:29	S23081411.D
Toluene	108-88-3	**6.47**		2.92	08/14/2023 19:29	S23081411.D
1,2-Dibromoethane (EDB)	106-93-4	<0.60		0.60	08/14/2023 19:29	S23081411.D
Tetrachloroethene	127-18-4	<1.14		1.14	08/14/2023 19:29	S23081411.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.14		1.14	08/14/2023 19:29	S23081411.D
Chlorobenzene	108-90-7	<0.55		0.55	08/14/2023 19:29	S23081411.D
Ethylbenzene	100-41-4	<1.37		1.37	08/14/2023 19:29	S23081411.D
p & m-Xylene	179601-23-1	<1.33		1.33	08/14/2023 19:29	S23081411.D
o-Xylene	95-47-6	<1.33		1.33	08/14/2023 19:29	S23081411.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	08/14/2023 19:29	S23081411.D
Isopropylbenzene	98-82-8	<1.41		1.41	08/14/2023 19:29	S23081411.D
1,3,5-Trimethylbenzene	108-67-8	<1.41		1.41	08/14/2023 19:29	S23081411.D
1,2,4-Trimethylbenzene	95-63-6	<1.41		1.41	08/14/2023 19:29	S23081411.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	08/14/2023 19:29	S23081411.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	08/14/2023 19:29	S23081411.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	08/14/2023 19:29	S23081411.D
1,2,4-Trichlorobenzene	120-82-1	<1.20		1.20	08/14/2023 19:29	S23081411.D
Naphthalene	91-20-3	**4.65**		1.46	08/14/2023 19:29	S23081411.D
1,2,3-Trichlorobenzene	87-61-6	<1.20		1.20	08/14/2023 19:29	S23081411.D
2-Methylnaphthalene	91-57-6	**5.04**		1.54	08/14/2023 19:29	S23081411.D
∉ **TPH C4-C9**		**4,120**		396	08/14/2023 19:29	S23081411.D
∉ **TPH C10-C15**		**26,000**		338	08/14/2023 19:29	S23081411.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*92.9%*	*70-130*		*08/14/2023 19:29*	*S23081411.D*
Surrogate: Toluene-d8	2037-26-5	*117%*	*70-130*		*08/14/2023 19:29*	*S23081411.D*
Surrogate: Bromofluorobenzene	460-00-4	*109%*	*70-130*		*08/14/2023 19:29*	*S23081411.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-08

PSG-07

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.58		0.58	08/14/2023 19:58	S23081412.D
1,1-Dichloroethene	75-35-4	<1.41		1.41	08/14/2023 19:58	S23081412.D
Methylene Chloride	75-09-2	<1.33		1.33	08/14/2023 19:58	S23081412.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	08/14/2023 19:58	S23081412.D
trans-1,2-Dichloroethene	156-60-5	<1.06		1.06	08/14/2023 19:58	S23081412.D
Methyl-t-butyl ether	1634-04-4	<2.33		2.33	08/14/2023 19:58	S23081412.D
1,1-Dichloroethane	75-34-3	<0.55		0.55	08/14/2023 19:58	S23081412.D
cis-1,2-Dichloroethene	156-59-2	<0.88		0.88	08/14/2023 19:58	S23081412.D
Chloroform	67-66-3	<1.33		1.33	08/14/2023 19:58	S23081412.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	08/14/2023 19:58	S23081412.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	08/14/2023 19:58	S23081412.D
Carbon Tetrachloride	56-23-5	<1.09		1.09	08/14/2023 19:58	S23081412.D
Benzene	71-43-2	**4.07**		2.20	08/14/2023 19:58	S23081412.D
Trichloroethene	79-01-6	<1.41		1.41	08/14/2023 19:58	S23081412.D
1,4-Dioxane	123-91-1	<1.14		1.14	08/14/2023 19:58	S23081412.D
1,1,2-Trichloroethane	79-00-5	<1.41		1.41	08/14/2023 19:58	S23081412.D
Toluene	108-88-3	<2.92		2.92	08/14/2023 19:58	S23081412.D
1,2-Dibromoethane (EDB)	106-93-4	<0.60		0.60	08/14/2023 19:58	S23081412.D
Tetrachloroethene	127-18-4	<1.14		1.14	08/14/2023 19:58	S23081412.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.14		1.14	08/14/2023 19:58	S23081412.D
Chlorobenzene	108-90-7	**0.86**		0.55	08/14/2023 19:58	S23081412.D
Ethylbenzene	100-41-4	<1.37		1.37	08/14/2023 19:58	S23081412.D
p & m-Xylene	179601-23-1	**4.50**		1.33	08/14/2023 19:58	S23081412.D
o-Xylene	95-47-6	**1.73**		1.33	08/14/2023 19:58	S23081412.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	08/14/2023 19:58	S23081412.D
Isopropylbenzene	98-82-8	<1.41		1.41	08/14/2023 19:58	S23081412.D
1,3,5-Trimethylbenzene	108-67-8	<1.41		1.41	08/14/2023 19:58	S23081412.D
1,2,4-Trimethylbenzene	95-63-6	<1.41		1.41	08/14/2023 19:58	S23081412.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	08/14/2023 19:58	S23081412.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	08/14/2023 19:58	S23081412.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	08/14/2023 19:58	S23081412.D
1,2,4-Trichlorobenzene	120-82-1	<1.20		1.20	08/14/2023 19:58	S23081412.D
Naphthalene	91-20-3	<1.46		1.46	08/14/2023 19:58	S23081412.D
1,2,3-Trichlorobenzene	87-61-6	<1.20		1.20	08/14/2023 19:58	S23081412.D
2-Methylnaphthalene	91-57-6	<1.54		1.54	08/14/2023 19:58	S23081412.D
∉ TPH C4-C9		<396		396	08/14/2023 19:58	S23081412.D
∉ **TPH C10-C15**		**1,130**		338	08/14/2023 19:58	S23081412.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*94.3%*	*70-130*		*08/14/2023 19:58*	*S23081412.D*
Surrogate: Toluene-d8	2037-26-5	*98.9%*	*70-130*		*08/14/2023 19:58*	*S23081412.D*
Surrogate: Bromofluorobenzene	460-00-4	*102%*	*70-130*		*08/14/2023 19:58*	*S23081412.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-09

PSG-08

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.58		0.58	08/14/2023 20:27	S23081413.D
1,1-Dichloroethene	75-35-4	**2.09**		1.42	08/14/2023 20:27	S23081413.D
Methylene Chloride	75-09-2	<1.33		1.33	08/14/2023 20:27	S23081413.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	08/14/2023 20:27	S23081413.D
trans-1,2-Dichloroethene	156-60-5	<1.06		1.06	08/14/2023 20:27	S23081413.D
Methyl-t-butyl ether	1634-04-4	<2.34		2.34	08/14/2023 20:27	S23081413.D
1,1-Dichloroethane	75-34-3	**2.79**		0.55	08/14/2023 20:27	S23081413.D
cis-1,2-Dichloroethene	156-59-2	<0.88		0.88	08/14/2023 20:27	S23081413.D
Chloroform	67-66-3	<1.33		1.33	08/14/2023 20:27	S23081413.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	08/14/2023 20:27	S23081413.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	08/14/2023 20:27	S23081413.D
Carbon Tetrachloride	56-23-5	<1.09		1.09	08/14/2023 20:27	S23081413.D
Benzene	71-43-2	**6.07**		2.20	08/14/2023 20:27	S23081413.D
Trichloroethene	79-01-6	<1.42		1.42	08/14/2023 20:27	S23081413.D
1,4-Dioxane	123-91-1	<1.14		1.14	08/14/2023 20:27	S23081413.D
1,1,2-Trichloroethane	79-00-5	<1.42		1.42	08/14/2023 20:27	S23081413.D
Toluene	108-88-3	**4.93**		2.92	08/14/2023 20:27	S23081413.D
1,2-Dibromoethane (EDB)	106-93-4	<0.60		0.60	08/14/2023 20:27	S23081413.D
Tetrachloroethene	127-18-4	<1.14		1.14	08/14/2023 20:27	S23081413.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.14		1.14	08/14/2023 20:27	S23081413.D
Chlorobenzene	108-90-7	<0.55		0.55	08/14/2023 20:27	S23081413.D
Ethylbenzene	100-41-4	<1.37		1.37	08/14/2023 20:27	S23081413.D
p & m-Xylene	179601-23-1	<1.33		1.33	08/14/2023 20:27	S23081413.D
o-Xylene	95-47-6	<1.33		1.33	08/14/2023 20:27	S23081413.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	08/14/2023 20:27	S23081413.D
Isopropylbenzene	98-82-8	<1.41		1.41	08/14/2023 20:27	S23081413.D
1,3,5-Trimethylbenzene	108-67-8	<1.41		1.41	08/14/2023 20:27	S23081413.D
1,2,4-Trimethylbenzene	95-63-6	**1.72**		1.41	08/14/2023 20:27	S23081413.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	08/14/2023 20:27	S23081413.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	08/14/2023 20:27	S23081413.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	08/14/2023 20:27	S23081413.D
1,2,4-Trichlorobenzene	120-82-1	<1.20		1.20	08/14/2023 20:27	S23081413.D
Naphthalene	91-20-3	**2.07**		1.46	08/14/2023 20:27	S23081413.D
1,2,3-Trichlorobenzene	87-61-6	<1.20		1.20	08/14/2023 20:27	S23081413.D
2-Methylnaphthalene	91-57-6	<1.54		1.54	08/14/2023 20:27	S23081413.D
∉ TPH C4-C9		<396		396	08/14/2023 20:27	S23081413.D
∉ **TPH C10-C15**		**873**		339	08/14/2023 20:27	S23081413.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*90.1%*	*70-130*		*08/14/2023 20:27*	*S23081413.D*
Surrogate: Toluene-d8	2037-26-5	*191%*	*70-130*	*S4*	*08/14/2023 20:27*	*S23081413.D*
Surrogate: Bromofluorobenzene	460-00-4	*186%*	*70-130*	*S4*	*08/14/2023 20:27*	*S23081413.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-10

PSG-09

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/14/2023 20:56	S23081414.D
1,1-Dichloroethene	75-35-4	<1.50		1.50	08/14/2023 20:56	S23081414.D
Methylene Chloride	75-09-2	<1.42		1.42	08/14/2023 20:56	S23081414.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.56		0.56	08/14/2023 20:56	S23081414.D
trans-1,2-Dichloroethene	156-60-5	<1.13		1.13	08/14/2023 20:56	S23081414.D
Methyl-t-butyl ether	1634-04-4	<2.48		2.48	08/14/2023 20:56	S23081414.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/14/2023 20:56	S23081414.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/14/2023 20:56	S23081414.D
Chloroform	67-66-3	**1.65**		1.42	08/14/2023 20:56	S23081414.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/14/2023 20:56	S23081414.D
1,1,1-Trichloroethane	71-55-6	**0.48**		0.47	08/14/2023 20:56	S23081414.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/14/2023 20:56	S23081414.D
Benzene	71-43-2	<2.34		2.34	08/14/2023 20:56	S23081414.D
Trichloroethene	79-01-6	<1.50		1.50	08/14/2023 20:56	S23081414.D
1,4-Dioxane	123-91-1	<1.21		1.21	08/14/2023 20:56	S23081414.D
1,1,2-Trichloroethane	79-00-5	<1.50		1.50	08/14/2023 20:56	S23081414.D
Toluene	108-88-3	<3.10		3.10	08/14/2023 20:56	S23081414.D
1,2-Dibromoethane (EDB)	106-93-4	<0.64		0.64	08/14/2023 20:56	S23081414.D
Tetrachloroethene	127-18-4	**30.7**		1.21	08/14/2023 20:56	S23081414.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21		1.21	08/14/2023 20:56	S23081414.D
Chlorobenzene	108-90-7	<0.58		0.58	08/14/2023 20:56	S23081414.D
Ethylbenzene	100-41-4	<1.46		1.46	08/14/2023 20:56	S23081414.D
p & m-Xylene	179601-23-1	<1.41		1.41	08/14/2023 20:56	S23081414.D
o-Xylene	95-47-6	<1.41		1.41	08/14/2023 20:56	S23081414.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/14/2023 20:56	S23081414.D
Isopropylbenzene	98-82-8	<1.49		1.49	08/14/2023 20:56	S23081414.D
1,3,5-Trimethylbenzene	108-67-8	<1.49		1.49	08/14/2023 20:56	S23081414.D
1,2,4-Trimethylbenzene	95-63-6	<1.49		1.49	08/14/2023 20:56	S23081414.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/14/2023 20:56	S23081414.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/14/2023 20:56	S23081414.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/14/2023 20:56	S23081414.D
1,2,4-Trichlorobenzene	120-82-1	<1.27		1.27	08/14/2023 20:56	S23081414.D
Naphthalene	91-20-3	<1.55		1.55	08/14/2023 20:56	S23081414.D
1,2,3-Trichlorobenzene	87-61-6	<1.27		1.27	08/14/2023 20:56	S23081414.D
2-Methylnaphthalene	91-57-6	<1.63		1.63	08/14/2023 20:56	S23081414.D
∉ TPH C4-C9		<420		420	08/14/2023 20:56	S23081414.D
∉ **TPH C10-C15**		**431**		359	08/14/2023 20:56	S23081414.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*91.2%*	*70-130*		*08/14/2023 20:56*	*S23081414.D*
Surrogate: Toluene-d8	2037-26-5	*96.9%*	*70-130*		*08/14/2023 20:56*	*S23081414.D*
Surrogate: Bromofluorobenzene	460-00-4	*101%*	*70-130*		*08/14/2023 20:56*	*S23081414.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-11

PSG-10

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/14/2023 21:26	S23081415.D
1,1-Dichloroethene	75-35-4	**2.97**		1.50	08/14/2023 21:26	S23081415.D
Methylene Chloride	75-09-2	<1.42		1.42	08/14/2023 21:26	S23081415.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.56		0.56	08/14/2023 21:26	S23081415.D
trans-1,2-Dichloroethene	156-60-5	<1.13		1.13	08/14/2023 21:26	S23081415.D
Methyl-t-butyl ether	1634-04-4	<2.48		2.48	08/14/2023 21:26	S23081415.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/14/2023 21:26	S23081415.D
cis-1,2-Dichloroethene	156-59-2	<0.94		0.94	08/14/2023 21:26	S23081415.D
Chloroform	67-66-3	<1.42		1.42	08/14/2023 21:26	S23081415.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/14/2023 21:26	S23081415.D
1,1,1-Trichloroethane	71-55-6	**1.38**		0.47	08/14/2023 21:26	S23081415.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/14/2023 21:26	S23081415.D
Benzene	71-43-2	**4.25**		2.34	08/14/2023 21:26	S23081415.D
Trichloroethene	79-01-6	**33.5**		1.50	08/14/2023 21:26	S23081415.D
1,4-Dioxane	123-91-1	<1.21		1.21	08/14/2023 21:26	S23081415.D
1,1,2-Trichloroethane	79-00-5	<1.50		1.50	08/14/2023 21:26	S23081415.D
Toluene	108-88-3	<3.10		3.10	08/14/2023 21:26	S23081415.D
1,2-Dibromoethane (EDB)	106-93-4	<0.64		0.64	08/14/2023 21:26	S23081415.D
Tetrachloroethene	127-18-4	**427**		1.21	08/14/2023 21:26	S23081415.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21		1.21	08/14/2023 21:26	S23081415.D
Chlorobenzene	108-90-7	<0.58		0.58	08/14/2023 21:26	S23081415.D
Ethylbenzene	100-41-4	<1.46		1.46	08/14/2023 21:26	S23081415.D
p & m-Xylene	179601-23-1	<1.41		1.41	08/14/2023 21:26	S23081415.D
o-Xylene	95-47-6	<1.41		1.41	08/14/2023 21:26	S23081415.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/14/2023 21:26	S23081415.D
Isopropylbenzene	98-82-8	<1.49		1.49	08/14/2023 21:26	S23081415.D
1,3,5-Trimethylbenzene	108-67-8	<1.49		1.49	08/14/2023 21:26	S23081415.D
1,2,4-Trimethylbenzene	95-63-6	<1.49		1.49	08/14/2023 21:26	S23081415.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/14/2023 21:26	S23081415.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/14/2023 21:26	S23081415.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/14/2023 21:26	S23081415.D
1,2,4-Trichlorobenzene	120-82-1	<1.27		1.27	08/14/2023 21:26	S23081415.D
Naphthalene	91-20-3	**5.53**		1.55	08/14/2023 21:26	S23081415.D
1,2,3-Trichlorobenzene	87-61-6	<1.27		1.27	08/14/2023 21:26	S23081415.D
2-Methylnaphthalene	91-57-6	**3.75**		1.63	08/14/2023 21:26	S23081415.D
∉ **TPH C4-C9**		**657**		420	08/14/2023 21:26	S23081415.D
∉ **TPH C10-C15**		**1,990**		359	08/14/2023 21:26	S23081415.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*87.2%*	*70-130*		*08/14/2023 21:26*	*S23081415.D*
Surrogate: Toluene-d8	2037-26-5	*99.1%*	*70-130*		*08/14/2023 21:26*	*S23081415.D*
Surrogate: Bromofluorobenzene	460-00-4	*103%*	*70-130*		*08/14/2023 21:26*	*S23081415.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-12

PSG-11

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/14/2023 21:54	S23081416.D
1,1-Dichloroethene	75-35-4	<1.50		1.50	08/14/2023 21:54	S23081416.D
Methylene Chloride	75-09-2	<1.42		1.42	08/14/2023 21:54	S23081416.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.56		0.56	08/14/2023 21:54	S23081416.D
trans-1,2-Dichloroethene	156-60-5	<1.13		1.13	08/14/2023 21:54	S23081416.D
Methyl-t-butyl ether	1634-04-4	<2.48		2.48	08/14/2023 21:54	S23081416.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/14/2023 21:54	S23081416.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/14/2023 21:54	S23081416.D
Chloroform	67-66-3	<1.42		1.42	08/14/2023 21:54	S23081416.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/14/2023 21:54	S23081416.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/14/2023 21:54	S23081416.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/14/2023 21:54	S23081416.D
Benzene	71-43-2	**15.4**		2.34	08/14/2023 21:54	S23081416.D
Trichloroethene	79-01-6	<1.50		1.50	08/14/2023 21:54	S23081416.D
1,4-Dioxane	123-91-1	<1.21		1.21	08/14/2023 21:54	S23081416.D
1,1,2-Trichloroethane	79-00-5	<1.50		1.50	08/14/2023 21:54	S23081416.D
Toluene	108-88-3	**17.3**		3.10	08/14/2023 21:54	S23081416.D
1,2-Dibromoethane (EDB)	106-93-4	<0.64		0.64	08/14/2023 21:54	S23081416.D
Tetrachloroethene	127-18-4	**1.65**		1.21	08/14/2023 21:54	S23081416.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21		1.21	08/14/2023 21:54	S23081416.D
Chlorobenzene	108-90-7	<0.58		0.58	08/14/2023 21:54	S23081416.D
Ethylbenzene	100-41-4	**3.19**		1.46	08/14/2023 21:54	S23081416.D
p & m-Xylene	179601-23-1	**6.44**		1.41	08/14/2023 21:54	S23081416.D
o-Xylene	95-47-6	**3.12**		1.41	08/14/2023 21:54	S23081416.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/14/2023 21:54	S23081416.D
Isopropylbenzene	98-82-8	**20.9**		1.49	08/14/2023 21:54	S23081416.D
1,3,5-Trimethylbenzene	108-67-8	**8.78**		1.49	08/14/2023 21:54	S23081416.D
1,2,4-Trimethylbenzene	95-63-6	**68.0**	D	28.6	08/15/2023 12:55	S23081446.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/14/2023 21:54	S23081416.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/14/2023 21:54	S23081416.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/14/2023 21:54	S23081416.D
1,2,4-Trichlorobenzene	120-82-1	<1.27		1.27	08/14/2023 21:54	S23081416.D
Naphthalene	91-20-3	**188**	D	29.7	08/15/2023 12:55	S23081446.D
1,2,3-Trichlorobenzene	87-61-6	<1.27		1.27	08/14/2023 21:54	S23081416.D
2-Methylnaphthalene	91-57-6	**1,080**	D	31.3	08/15/2023 12:55	S23081446.D
∉ **TPH C4-C9**		**14,500**		420	08/14/2023 21:54	S23081416.D
∉ **TPH C10-C15**		**21,500**		359	08/14/2023 21:54	S23081416.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*93.1%*	*70-130*		*08/15/2023 12:55*	*S23081446.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*89.4%*	*70-130*		*08/14/2023 21:54*	*S23081416.D*
Surrogate: Toluene-d8	2037-26-5	*374%*	*70-130*	*S4*	*08/14/2023 21:54*	*S23081416.D*
Surrogate: Toluene-d8	2037-26-5	*121%*	*70-130*		*08/15/2023 12:55*	*S23081446.D*
Surrogate: Bromofluorobenzene	460-00-4	*95.0%*	*70-130*		*08/14/2023 21:54*	*S23081416.D*
Surrogate: Bromofluorobenzene	460-00-4	*101%*	*70-130*		*08/15/2023 12:55*	*S23081446.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-13

PSG-12

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.60		0.60	08/14/2023 22:23	S23081417.D
1,1-Dichloroethene	75-35-4	**1.71**		1.48	08/14/2023 22:23	S23081417.D
Methylene Chloride	75-09-2	<1.40		1.40	08/14/2023 22:23	S23081417.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/14/2023 22:23	S23081417.D
trans-1,2-Dichloroethene	156-60-5	<1.11		1.11	08/14/2023 22:23	S23081417.D
Methyl-t-butyl ether	1634-04-4	<2.45		2.45	08/14/2023 22:23	S23081417.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/14/2023 22:23	S23081417.D
cis-1,2-Dichloroethene	156-59-2	<0.92		0.92	08/14/2023 22:23	S23081417.D
Chloroform	67-66-3	<1.40		1.40	08/14/2023 22:23	S23081417.D
1,2-Dichloroethane	107-06-2	<0.87		0.87	08/14/2023 22:23	S23081417.D
1,1,1-Trichloroethane	71-55-6	**2.42**		0.47	08/14/2023 22:23	S23081417.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/14/2023 22:23	S23081417.D
Benzene	71-43-2	<2.31		2.31	08/14/2023 22:23	S23081417.D
Trichloroethene	79-01-6	<1.48		1.48	08/14/2023 22:23	S23081417.D
1,4-Dioxane	123-91-1	<1.19		1.19	08/14/2023 22:23	S23081417.D
1,1,2-Trichloroethane	79-00-5	<1.48		1.48	08/14/2023 22:23	S23081417.D
Toluene	108-88-3	<3.06		3.06	08/14/2023 22:23	S23081417.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/14/2023 22:23	S23081417.D
Tetrachloroethene	127-18-4	<1.19		1.19	08/14/2023 22:23	S23081417.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.19		1.19	08/14/2023 22:23	S23081417.D
Chlorobenzene	108-90-7	<0.58		0.58	08/14/2023 22:23	S23081417.D
Ethylbenzene	100-41-4	**5.94**		1.44	08/14/2023 22:23	S23081417.D
p & m-Xylene	179601-23-1	**27.1**		1.39	08/14/2023 22:23	S23081417.D
o-Xylene	95-47-6	**11.5**		1.39	08/14/2023 22:23	S23081417.D
1,2,3-Trichloropropane	96-18-4	<0.65		0.65	08/14/2023 22:23	S23081417.D
Isopropylbenzene	98-82-8	<1.47		1.47	08/14/2023 22:23	S23081417.D
1,3,5-Trimethylbenzene	108-67-8	<1.47		1.47	08/14/2023 22:23	S23081417.D
1,2,4-Trimethylbenzene	95-63-6	<1.47		1.47	08/14/2023 22:23	S23081417.D
1,3-Dichlorobenzene	541-73-1	<0.65		0.65	08/14/2023 22:23	S23081417.D
1,4-Dichlorobenzene	106-46-7	<0.65		0.65	08/14/2023 22:23	S23081417.D
1,2-Dichlorobenzene	95-50-1	<0.65		0.65	08/14/2023 22:23	S23081417.D
1,2,4-Trichlorobenzene	120-82-1	<1.25		1.25	08/14/2023 22:23	S23081417.D
Naphthalene	91-20-3	<1.53		1.53	08/14/2023 22:23	S23081417.D
1,2,3-Trichlorobenzene	87-61-6	<1.25		1.25	08/14/2023 22:23	S23081417.D
2-Methylnaphthalene	91-57-6	**8.83**		1.61	08/14/2023 22:23	S23081417.D
∉ TPH C4-C9		<415		415	08/14/2023 22:23	S23081417.D
∉ **TPH C10-C15**		**789**		354	08/14/2023 22:23	S23081417.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*94.4%*	*70-130*		*08/14/2023 22:23*	*S23081417.D*
Surrogate: Toluene-d8	2037-26-5	*182%*	*70-130*	*S4*	*08/14/2023 22:23*	*S23081417.D*
Surrogate: Bromofluorobenzene	460-00-4	*183%*	*70-130*	*S4*	*08/14/2023 22:23*	*S23081417.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-14

PSG-13

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.60		0.60	08/14/2023 22:52	S23081418.D
1,1-Dichloroethene	75-35-4	<1.48		1.48	08/14/2023 22:52	S23081418.D
Methylene Chloride	75-09-2	<1.40		1.40	08/14/2023 22:52	S23081418.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/14/2023 22:52	S23081418.D
trans-1,2-Dichloroethene	156-60-5	<1.11		1.11	08/14/2023 22:52	S23081418.D
Methyl-t-butyl ether	1634-04-4	<2.44		2.44	08/14/2023 22:52	S23081418.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/14/2023 22:52	S23081418.D
cis-1,2-Dichloroethene	156-59-2	<0.92		0.92	08/14/2023 22:52	S23081418.D
Chloroform	67-66-3	<1.40		1.40	08/14/2023 22:52	S23081418.D
1,2-Dichloroethane	107-06-2	<0.87		0.87	08/14/2023 22:52	S23081418.D
1,1,1-Trichloroethane	71-55-6	**1.24**		0.47	08/14/2023 22:52	S23081418.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/14/2023 22:52	S23081418.D
Benzene	71-43-2	**18.1**		2.31	08/14/2023 22:52	S23081418.D
Trichloroethene	79-01-6	<1.48		1.48	08/14/2023 22:52	S23081418.D
1,4-Dioxane	123-91-1	<1.19		1.19	08/14/2023 22:52	S23081418.D
1,1,2-Trichloroethane	79-00-5	<1.48		1.48	08/14/2023 22:52	S23081418.D
Toluene	108-88-3	**18.6**		3.06	08/14/2023 22:52	S23081418.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/14/2023 22:52	S23081418.D
Tetrachloroethene	127-18-4	<1.19		1.19	08/14/2023 22:52	S23081418.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.19		1.19	08/14/2023 22:52	S23081418.D
Chlorobenzene	108-90-7	<0.58		0.58	08/14/2023 22:52	S23081418.D
Ethylbenzene	100-41-4	**3.79**		1.44	08/14/2023 22:52	S23081418.D
p & m-Xylene	179601-23-1	**6.76**		1.39	08/14/2023 22:52	S23081418.D
o-Xylene	95-47-6	**3.56**		1.39	08/14/2023 22:52	S23081418.D
1,2,3-Trichloropropane	96-18-4	<0.65		0.65	08/14/2023 22:52	S23081418.D
Isopropylbenzene	98-82-8	<1.47		1.47	08/14/2023 22:52	S23081418.D
1,3,5-Trimethylbenzene	108-67-8	<1.47		1.47	08/14/2023 22:52	S23081418.D
1,2,4-Trimethylbenzene	95-63-6	<1.47		1.47	08/14/2023 22:52	S23081418.D
1,3-Dichlorobenzene	541-73-1	<0.65		0.65	08/14/2023 22:52	S23081418.D
1,4-Dichlorobenzene	106-46-7	<0.65		0.65	08/14/2023 22:52	S23081418.D
1,2-Dichlorobenzene	95-50-1	<0.65		0.65	08/14/2023 22:52	S23081418.D
1,2,4-Trichlorobenzene	120-82-1	<1.25		1.25	08/14/2023 22:52	S23081418.D
Naphthalene	91-20-3	<1.53		1.53	08/14/2023 22:52	S23081418.D
1,2,3-Trichlorobenzene	87-61-6	<1.25		1.25	08/14/2023 22:52	S23081418.D
2-Methylnaphthalene	91-57-6	**4.63**		1.61	08/14/2023 22:52	S23081418.D
∉ **TPH C4-C9**		**4,320**		414	08/14/2023 22:52	S23081418.D
∉ **TPH C10-C15**		**4,690**		354	08/14/2023 22:52	S23081418.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*109%*	*70-130*		*08/14/2023 22:52*	*S23081418.D*
Surrogate: Toluene-d8	2037-26-5	*177%*	*70-130*	*S4*	*08/14/2023 22:52*	*S23081418.D*
Surrogate: Bromofluorobenzene	460-00-4	*187%*	*70-130*	*S4*	*08/14/2023 22:52*	*S23081418.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-15

PSG-14

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.57		0.57	08/14/2023 23:21	S23081419.D
1,1-Dichloroethene	75-35-4	<1.40		1.40	08/14/2023 23:21	S23081419.D
Methylene Chloride	75-09-2	<1.32		1.32	08/14/2023 23:21	S23081419.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	08/14/2023 23:21	S23081419.D
trans-1,2-Dichloroethene	156-60-5	<1.05		1.05	08/14/2023 23:21	S23081419.D
Methyl-t-butyl ether	1634-04-4	<2.32		2.32	08/14/2023 23:21	S23081419.D
1,1-Dichloroethane	75-34-3	<0.55		0.55	08/14/2023 23:21	S23081419.D
cis-1,2-Dichloroethene	156-59-2	<0.87		0.87	08/14/2023 23:21	S23081419.D
Chloroform	67-66-3	<1.32		1.32	08/14/2023 23:21	S23081419.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	08/14/2023 23:21	S23081419.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	08/14/2023 23:21	S23081419.D
Carbon Tetrachloride	56-23-5	<1.08		1.08	08/14/2023 23:21	S23081419.D
Benzene	71-43-2	**4.77**		2.19	08/14/2023 23:21	S23081419.D
Trichloroethene	79-01-6	<1.40		1.40	08/14/2023 23:21	S23081419.D
1,4-Dioxane	123-91-1	<1.13		1.13	08/14/2023 23:21	S23081419.D
1,1,2-Trichloroethane	79-00-5	<1.40		1.40	08/14/2023 23:21	S23081419.D
Toluene	108-88-3	**5.10**		2.90	08/14/2023 23:21	S23081419.D
1,2-Dibromoethane (EDB)	106-93-4	<0.59		0.59	08/14/2023 23:21	S23081419.D
Tetrachloroethene	127-18-4	**1.84**		1.13	08/14/2023 23:21	S23081419.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.13		1.13	08/14/2023 23:21	S23081419.D
Chlorobenzene	108-90-7	<0.55		0.55	08/14/2023 23:21	S23081419.D
Ethylbenzene	100-41-4	<1.36		1.36	08/14/2023 23:21	S23081419.D
p & m-Xylene	179601-23-1	**4.90**		1.32	08/14/2023 23:21	S23081419.D
o-Xylene	95-47-6	**2.47**		1.32	08/14/2023 23:21	S23081419.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	08/14/2023 23:21	S23081419.D
Isopropylbenzene	98-82-8	<1.40		1.40	08/14/2023 23:21	S23081419.D
1,3,5-Trimethylbenzene	108-67-8	<1.40		1.40	08/14/2023 23:21	S23081419.D
1,2,4-Trimethylbenzene	95-63-6	**1.44**		1.40	08/14/2023 23:21	S23081419.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	08/14/2023 23:21	S23081419.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	08/14/2023 23:21	S23081419.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	08/14/2023 23:21	S23081419.D
1,2,4-Trichlorobenzene	120-82-1	<1.19		1.19	08/14/2023 23:21	S23081419.D
Naphthalene	91-20-3	<1.45		1.45	08/14/2023 23:21	S23081419.D
1,2,3-Trichlorobenzene	87-61-6	<1.19		1.19	08/14/2023 23:21	S23081419.D
2-Methylnaphthalene	91-57-6	**2.46**		1.52	08/14/2023 23:21	S23081419.D
∉ TPH C4-C9		<393		393	08/14/2023 23:21	S23081419.D
∉ **TPH C10-C15**		**801**		336	08/14/2023 23:21	S23081419.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*91.0%*	*70-130*		*08/14/2023 23:21*	*S23081419.D*
Surrogate: Toluene-d8	2037-26-5	*180%*	*70-130*	*S4*	*08/14/2023 23:21*	*S23081419.D*
Surrogate: Bromofluorobenzene	460-00-4	*186%*	*70-130*	*S4*	*08/14/2023 23:21*	*S23081419.D*

BEACON ENVIRONMENTAL

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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-16

PSG-15

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.57		0.57	08/14/2023 23:50	S23081420.D
1,1-Dichloroethene	75-35-4	<1.40		1.40	08/14/2023 23:50	S23081420.D
Methylene Chloride	75-09-2	<1.32		1.32	08/14/2023 23:50	S23081420.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	08/14/2023 23:50	S23081420.D
trans-1,2-Dichloroethene	156-60-5	<1.05		1.05	08/14/2023 23:50	S23081420.D
Methyl-t-butyl ether	1634-04-4	<2.32		2.32	08/14/2023 23:50	S23081420.D
1,1-Dichloroethane	75-34-3	<0.55		0.55	08/14/2023 23:50	S23081420.D
cis-1,2-Dichloroethene	156-59-2	<0.87		0.87	08/14/2023 23:50	S23081420.D
Chloroform	67-66-3	<1.32		1.32	08/14/2023 23:50	S23081420.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	08/14/2023 23:50	S23081420.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	08/14/2023 23:50	S23081420.D
Carbon Tetrachloride	56-23-5	<1.08		1.08	08/14/2023 23:50	S23081420.D
Benzene	71-43-2	**2.28**		2.19	08/14/2023 23:50	S23081420.D
Trichloroethene	79-01-6	<1.40		1.40	08/14/2023 23:50	S23081420.D
1,4-Dioxane	123-91-1	<1.13		1.13	08/14/2023 23:50	S23081420.D
1,1,2-Trichloroethane	79-00-5	<1.40		1.40	08/14/2023 23:50	S23081420.D
Toluene	108-88-3	<2.90		2.90	08/14/2023 23:50	S23081420.D
1,2-Dibromoethane (EDB)	106-93-4	<0.59		0.59	08/14/2023 23:50	S23081420.D
Tetrachloroethene	127-18-4	**8.86**		1.13	08/14/2023 23:50	S23081420.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.13		1.13	08/14/2023 23:50	S23081420.D
Chlorobenzene	108-90-7	<0.55		0.55	08/14/2023 23:50	S23081420.D
Ethylbenzene	100-41-4	**1.56**		1.36	08/14/2023 23:50	S23081420.D
p & m-Xylene	179601-23-1	**7.99**		1.32	08/14/2023 23:50	S23081420.D
o-Xylene	95-47-6	**3.62**		1.32	08/14/2023 23:50	S23081420.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	08/14/2023 23:50	S23081420.D
Isopropylbenzene	98-82-8	<1.40		1.40	08/14/2023 23:50	S23081420.D
1,3,5-Trimethylbenzene	108-67-8	<1.40		1.40	08/14/2023 23:50	S23081420.D
1,2,4-Trimethylbenzene	95-63-6	<1.40		1.40	08/14/2023 23:50	S23081420.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	08/14/2023 23:50	S23081420.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	08/14/2023 23:50	S23081420.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	08/14/2023 23:50	S23081420.D
1,2,4-Trichlorobenzene	120-82-1	<1.19		1.19	08/14/2023 23:50	S23081420.D
Naphthalene	91-20-3	<1.45		1.45	08/14/2023 23:50	S23081420.D
1,2,3-Trichlorobenzene	87-61-6	<1.19		1.19	08/14/2023 23:50	S23081420.D
2-Methylnaphthalene	91-57-6	<1.53		1.53	08/14/2023 23:50	S23081420.D
∉ TPH C4-C9		<393		393	08/14/2023 23:50	S23081420.D
∉ **TPH C10-C15**		**354**		336	08/14/2023 23:50	S23081420.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*87.8%*	*70-130*		*08/14/2023 23:50*	*S23081420.D*
Surrogate: Toluene-d8	2037-26-5	*98.7%*	*70-130*		*08/14/2023 23:50*	*S23081420.D*
Surrogate: Bromofluorobenzene	460-00-4	*102%*	*70-130*		*08/14/2023 23:50*	*S23081420.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-17

PSG-15-Dup

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.57		0.57	08/15/2023 00:19	S23081421.D
1,1-Dichloroethene	75-35-4	<1.40		1.40	08/15/2023 00:19	S23081421.D
Methylene Chloride	75-09-2	<1.32		1.32	08/15/2023 00:19	S23081421.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	08/15/2023 00:19	S23081421.D
trans-1,2-Dichloroethene	156-60-5	<1.05		1.05	08/15/2023 00:19	S23081421.D
Methyl-t-butyl ether	1634-04-4	<2.32		2.32	08/15/2023 00:19	S23081421.D
1,1-Dichloroethane	75-34-3	<0.55		0.55	08/15/2023 00:19	S23081421.D
cis-1,2-Dichloroethene	156-59-2	<0.87		0.87	08/15/2023 00:19	S23081421.D
Chloroform	67-66-3	<1.32		1.32	08/15/2023 00:19	S23081421.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	08/15/2023 00:19	S23081421.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	08/15/2023 00:19	S23081421.D
Carbon Tetrachloride	56-23-5	<1.08		1.08	08/15/2023 00:19	S23081421.D
Benzene	71-43-2	<2.19		2.19	08/15/2023 00:19	S23081421.D
Trichloroethene	79-01-6	<1.40		1.40	08/15/2023 00:19	S23081421.D
1,4-Dioxane	123-91-1	<1.13		1.13	08/15/2023 00:19	S23081421.D
1,1,2-Trichloroethane	79-00-5	<1.40		1.40	08/15/2023 00:19	S23081421.D
Toluene	108-88-3	<2.90		2.90	08/15/2023 00:19	S23081421.D
1,2-Dibromoethane (EDB)	106-93-4	<0.59		0.59	08/15/2023 00:19	S23081421.D
Tetrachloroethene	127-18-4	**5.91**		1.13	08/15/2023 00:19	S23081421.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.13		1.13	08/15/2023 00:19	S23081421.D
Chlorobenzene	108-90-7	<0.55		0.55	08/15/2023 00:19	S23081421.D
Ethylbenzene	100-41-4	<1.36		1.36	08/15/2023 00:19	S23081421.D
p & m-Xylene	179601-23-1	**7.07**		1.32	08/15/2023 00:19	S23081421.D
o-Xylene	95-47-6	**3.16**		1.32	08/15/2023 00:19	S23081421.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	08/15/2023 00:19	S23081421.D
Isopropylbenzene	98-82-8	<1.40		1.40	08/15/2023 00:19	S23081421.D
1,3,5-Trimethylbenzene	108-67-8	<1.40		1.40	08/15/2023 00:19	S23081421.D
1,2,4-Trimethylbenzene	95-63-6	<1.40		1.40	08/15/2023 00:19	S23081421.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	08/15/2023 00:19	S23081421.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	08/15/2023 00:19	S23081421.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	08/15/2023 00:19	S23081421.D
1,2,4-Trichlorobenzene	120-82-1	<1.19		1.19	08/15/2023 00:19	S23081421.D
Naphthalene	91-20-3	<1.45		1.45	08/15/2023 00:19	S23081421.D
1,2,3-Trichlorobenzene	87-61-6	<1.19		1.19	08/15/2023 00:19	S23081421.D
2-Methylnaphthalene	91-57-6	<1.53		1.53	08/15/2023 00:19	S23081421.D
∉ TPH C4-C9		<393		393	08/15/2023 00:19	S23081421.D
∉ TPH C10-C15		<336		336	08/15/2023 00:19	S23081421.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*88.0%*	*70-130*		*08/15/2023 00:19*	*S23081421.D*
Surrogate: Toluene-d8	2037-26-5	*98.2%*	*70-130*		*08/15/2023 00:19*	*S23081421.D*
Surrogate: Bromofluorobenzene	460-00-4	*102%*	*70-130*		*08/15/2023 00:19*	*S23081421.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-18

PSG-16

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/15/2023 00:48	S23081422.D
1,1-Dichloroethene	75-35-4	<1.50		1.50	08/15/2023 00:48	S23081422.D
Methylene Chloride	75-09-2	<1.42		1.42	08/15/2023 00:48	S23081422.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.56		0.56	08/15/2023 00:48	S23081422.D
trans-1,2-Dichloroethene	156-60-5	<1.13		1.13	08/15/2023 00:48	S23081422.D
Methyl-t-butyl ether	1634-04-4	<2.48		2.48	08/15/2023 00:48	S23081422.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/15/2023 00:48	S23081422.D
cis-1,2-Dichloroethene	156-59-2	<0.94		0.94	08/15/2023 00:48	S23081422.D
Chloroform	67-66-3	<1.42		1.42	08/15/2023 00:48	S23081422.D
1,2-Dichloroethane	107-06-2	<0.89		0.89	08/15/2023 00:48	S23081422.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/15/2023 00:48	S23081422.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/15/2023 00:48	S23081422.D
Benzene	71-43-2	<2.34		2.34	08/15/2023 00:48	S23081422.D
Trichloroethene	79-01-6	<1.50		1.50	08/15/2023 00:48	S23081422.D
1,4-Dioxane	123-91-1	<1.21		1.21	08/15/2023 00:48	S23081422.D
1,1,2-Trichloroethane	79-00-5	<1.50		1.50	08/15/2023 00:48	S23081422.D
Toluene	108-88-3	<3.10		3.10	08/15/2023 00:48	S23081422.D
1,2-Dibromoethane (EDB)	106-93-4	<0.64		0.64	08/15/2023 00:48	S23081422.D
Tetrachloroethene	127-18-4	<1.21		1.21	08/15/2023 00:48	S23081422.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21		1.21	08/15/2023 00:48	S23081422.D
Chlorobenzene	108-90-7	<0.58		0.58	08/15/2023 00:48	S23081422.D
Ethylbenzene	100-41-4	**6.84**		1.46	08/15/2023 00:48	S23081422.D
p & m-Xylene	179601-23-1	**35.7**		1.41	08/15/2023 00:48	S23081422.D
o-Xylene	95-47-6	**16.3**		1.41	08/15/2023 00:48	S23081422.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/15/2023 00:48	S23081422.D
Isopropylbenzene	98-82-8	<1.49		1.49	08/15/2023 00:48	S23081422.D
1,3,5-Trimethylbenzene	108-67-8	**5.54**		1.49	08/15/2023 00:48	S23081422.D
1,2,4-Trimethylbenzene	95-63-6	**4.85**		1.49	08/15/2023 00:48	S23081422.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/15/2023 00:48	S23081422.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/15/2023 00:48	S23081422.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/15/2023 00:48	S23081422.D
1,2,4-Trichlorobenzene	120-82-1	<1.27		1.27	08/15/2023 00:48	S23081422.D
Naphthalene	91-20-3	<1.55		1.55	08/15/2023 00:48	S23081422.D
1,2,3-Trichlorobenzene	87-61-6	<1.27		1.27	08/15/2023 00:48	S23081422.D
2-Methylnaphthalene	91-57-6	<1.63		1.63	08/15/2023 00:48	S23081422.D
∉ TPH C4-C9		<420		420	08/15/2023 00:48	S23081422.D
∉ **TPH C10-C15**		**652**		359	08/15/2023 00:48	S23081422.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*90.5%*	*70-130*		*08/15/2023 00:48*	*S23081422.D*
Surrogate: Toluene-d8	2037-26-5	*98.3%*	*70-130*		*08/15/2023 00:48*	*S23081422.D*
Surrogate: Bromofluorobenzene	460-00-4	*102%*	*70-130*		*08/15/2023 00:48*	*S23081422.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-19

PSG-17

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/15/2023 01:17	S23081423.D
1,1-Dichloroethene	75-35-4	<1.50		1.50	08/15/2023 01:17	S23081423.D
Methylene Chloride	75-09-2	<1.42		1.42	08/15/2023 01:17	S23081423.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.56		0.56	08/15/2023 01:17	S23081423.D
trans-1,2-Dichloroethene	156-60-5	<1.13		1.13	08/15/2023 01:17	S23081423.D
Methyl-t-butyl ether	1634-04-4	<2.48		2.48	08/15/2023 01:17	S23081423.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/15/2023 01:17	S23081423.D
cis-1,2-Dichloroethene	156-59-2	<0.94		0.94	08/15/2023 01:17	S23081423.D
Chloroform	67-66-3	<1.42		1.42	08/15/2023 01:17	S23081423.D
1,2-Dichloroethane	107-06-2	<0.89		0.89	08/15/2023 01:17	S23081423.D
1,1,1-Trichloroethane	71-55-6	**0.50**		0.47	08/15/2023 01:17	S23081423.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/15/2023 01:17	S23081423.D
Benzene	71-43-2	<2.34		2.34	08/15/2023 01:17	S23081423.D
Trichloroethene	79-01-6	<1.50		1.50	08/15/2023 01:17	S23081423.D
1,4-Dioxane	123-91-1	<1.21		1.21	08/15/2023 01:17	S23081423.D
1,1,2-Trichloroethane	79-00-5	<1.50		1.50	08/15/2023 01:17	S23081423.D
Toluene	108-88-3	<3.10		3.10	08/15/2023 01:17	S23081423.D
1,2-Dibromoethane (EDB)	106-93-4	<0.64		0.64	08/15/2023 01:17	S23081423.D
Tetrachloroethene	127-18-4	**7.27**		1.21	08/15/2023 01:17	S23081423.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21		1.21	08/15/2023 01:17	S23081423.D
Chlorobenzene	108-90-7	<0.58		0.58	08/15/2023 01:17	S23081423.D
Ethylbenzene	100-41-4	<1.46		1.46	08/15/2023 01:17	S23081423.D
p & m-Xylene	179601-23-1	**1.59**		1.41	08/15/2023 01:17	S23081423.D
o-Xylene	95-47-6	<1.41		1.41	08/15/2023 01:17	S23081423.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/15/2023 01:17	S23081423.D
Isopropylbenzene	98-82-8	<1.49		1.49	08/15/2023 01:17	S23081423.D
1,3,5-Trimethylbenzene	108-67-8	<1.49		1.49	08/15/2023 01:17	S23081423.D
1,2,4-Trimethylbenzene	95-63-6	<1.49		1.49	08/15/2023 01:17	S23081423.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/15/2023 01:17	S23081423.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/15/2023 01:17	S23081423.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/15/2023 01:17	S23081423.D
1,2,4-Trichlorobenzene	120-82-1	<1.27		1.27	08/15/2023 01:17	S23081423.D
Naphthalene	91-20-3	<1.55		1.55	08/15/2023 01:17	S23081423.D
1,2,3-Trichlorobenzene	87-61-6	<1.27		1.27	08/15/2023 01:17	S23081423.D
2-Methylnaphthalene	91-57-6	<1.63		1.63	08/15/2023 01:17	S23081423.D
∉ TPH C4-C9		<420		420	08/15/2023 01:17	S23081423.D
∉ TPH C10-C15		<359		359	08/15/2023 01:17	S23081423.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*90.1%*	*70-130*		*08/15/2023 01:17*	*S23081423.D*
Surrogate: Toluene-d8	2037-26-5	*96.8%*	*70-130*		*08/15/2023 01:17*	*S23081423.D*
Surrogate: Bromofluorobenzene	460-00-4	*98.8%*	*70-130*		*08/15/2023 01:17*	*S23081423.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-20

PSG-18

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.58		0.58	08/15/2023 01:45	S23081424.D
1,1-Dichloroethene	75-35-4	<1.41		1.41	08/15/2023 01:45	S23081424.D
Methylene Chloride	75-09-2	<1.33		1.33	08/15/2023 01:45	S23081424.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	08/15/2023 01:45	S23081424.D
trans-1,2-Dichloroethene	156-60-5	<1.06		1.06	08/15/2023 01:45	S23081424.D
Methyl-t-butyl ether	1634-04-4	<2.33		2.33	08/15/2023 01:45	S23081424.D
1,1-Dichloroethane	75-34-3	<0.55		0.55	08/15/2023 01:45	S23081424.D
cis-1,2-Dichloroethene	156-59-2	<0.88		0.88	08/15/2023 01:45	S23081424.D
Chloroform	67-66-3	<1.33		1.33	08/15/2023 01:45	S23081424.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	08/15/2023 01:45	S23081424.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	08/15/2023 01:45	S23081424.D
Carbon Tetrachloride	56-23-5	<1.09		1.09	08/15/2023 01:45	S23081424.D
Benzene	71-43-2	**5.09**		2.20	08/15/2023 01:45	S23081424.D
Trichloroethene	79-01-6	<1.41		1.41	08/15/2023 01:45	S23081424.D
1,4-Dioxane	123-91-1	<1.14		1.14	08/15/2023 01:45	S23081424.D
1,1,2-Trichloroethane	79-00-5	<1.41		1.41	08/15/2023 01:45	S23081424.D
Toluene	108-88-3	<2.92		2.92	08/15/2023 01:45	S23081424.D
1,2-Dibromoethane (EDB)	106-93-4	<0.60		0.60	08/15/2023 01:45	S23081424.D
Tetrachloroethene	127-18-4	<1.14		1.14	08/15/2023 01:45	S23081424.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.14		1.14	08/15/2023 01:45	S23081424.D
Chlorobenzene	108-90-7	<0.55		0.55	08/15/2023 01:45	S23081424.D
Ethylbenzene	100-41-4	<1.37		1.37	08/15/2023 01:45	S23081424.D
p & m-Xylene	179601-23-1	<1.33		1.33	08/15/2023 01:45	S23081424.D
o-Xylene	95-47-6	<1.33		1.33	08/15/2023 01:45	S23081424.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	08/15/2023 01:45	S23081424.D
Isopropylbenzene	98-82-8	<1.41		1.41	08/15/2023 01:45	S23081424.D
1,3,5-Trimethylbenzene	108-67-8	<1.41		1.41	08/15/2023 01:45	S23081424.D
1,2,4-Trimethylbenzene	95-63-6	<1.41		1.41	08/15/2023 01:45	S23081424.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	08/15/2023 01:45	S23081424.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	08/15/2023 01:45	S23081424.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	08/15/2023 01:45	S23081424.D
1,2,4-Trichlorobenzene	120-82-1	<1.20		1.20	08/15/2023 01:45	S23081424.D
Naphthalene	91-20-3	<1.46		1.46	08/15/2023 01:45	S23081424.D
1,2,3-Trichlorobenzene	87-61-6	<1.20		1.20	08/15/2023 01:45	S23081424.D
2-Methylnaphthalene	91-57-6	**2.42**		1.54	08/15/2023 01:45	S23081424.D
∉ TPH C4-C9		<396		396	08/15/2023 01:45	S23081424.D
∉ **TPH C10-C15**		**936**		338	08/15/2023 01:45	S23081424.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*85.2%*	*70-130*		*08/15/2023 01:45*	*S23081424.D*
Surrogate: Toluene-d8	2037-26-5	*98.1%*	*70-130*		*08/15/2023 01:45*	*S23081424.D*
Surrogate: Bromofluorobenzene	460-00-4	*103%*	*70-130*		*08/15/2023 01:45*	*S23081424.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-21

PSG-19

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.58		0.58	08/15/2023 02:15	S23081425.D
1,1-Dichloroethene	75-35-4	<1.42		1.42	08/15/2023 02:15	S23081425.D
Methylene Chloride	75-09-2	<1.33		1.33	08/15/2023 02:15	S23081425.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	08/15/2023 02:15	S23081425.D
trans-1,2-Dichloroethene	156-60-5	<1.06		1.06	08/15/2023 02:15	S23081425.D
Methyl-t-butyl ether	1634-04-4	<2.33		2.33	08/15/2023 02:15	S23081425.D
1,1-Dichloroethane	75-34-3	<0.55		0.55	08/15/2023 02:15	S23081425.D
cis-1,2-Dichloroethene	156-59-2	<0.88		0.88	08/15/2023 02:15	S23081425.D
Chloroform	67-66-3	<1.33		1.33	08/15/2023 02:15	S23081425.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	08/15/2023 02:15	S23081425.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	08/15/2023 02:15	S23081425.D
Carbon Tetrachloride	56-23-5	<1.09		1.09	08/15/2023 02:15	S23081425.D
Benzene	71-43-2	**3.24**		2.20	08/15/2023 02:15	S23081425.D
Trichloroethene	79-01-6	<1.42		1.42	08/15/2023 02:15	S23081425.D
1,4-Dioxane	123-91-1	<1.14		1.14	08/15/2023 02:15	S23081425.D
1,1,2-Trichloroethane	79-00-5	<1.42		1.42	08/15/2023 02:15	S23081425.D
Toluene	108-88-3	<2.92		2.92	08/15/2023 02:15	S23081425.D
1,2-Dibromoethane (EDB)	106-93-4	<0.60		0.60	08/15/2023 02:15	S23081425.D
Tetrachloroethene	127-18-4	<1.14		1.14	08/15/2023 02:15	S23081425.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.14		1.14	08/15/2023 02:15	S23081425.D
Chlorobenzene	108-90-7	<0.55		0.55	08/15/2023 02:15	S23081425.D
Ethylbenzene	100-41-4	<1.37		1.37	08/15/2023 02:15	S23081425.D
p & m-Xylene	179601-23-1	<1.33		1.33	08/15/2023 02:15	S23081425.D
o-Xylene	95-47-6	<1.33		1.33	08/15/2023 02:15	S23081425.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	08/15/2023 02:15	S23081425.D
Isopropylbenzene	98-82-8	<1.41		1.41	08/15/2023 02:15	S23081425.D
1,3,5-Trimethylbenzene	108-67-8	**1.71**		1.41	08/15/2023 02:15	S23081425.D
1,2,4-Trimethylbenzene	95-63-6	**3.50**		1.41	08/15/2023 02:15	S23081425.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	08/15/2023 02:15	S23081425.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	08/15/2023 02:15	S23081425.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	08/15/2023 02:15	S23081425.D
1,2,4-Trichlorobenzene	120-82-1	<1.20		1.20	08/15/2023 02:15	S23081425.D
Naphthalene	91-20-3	**2.35**		1.46	08/15/2023 02:15	S23081425.D
1,2,3-Trichlorobenzene	87-61-6	<1.20		1.20	08/15/2023 02:15	S23081425.D
2-Methylnaphthalene	91-57-6	**2.98**		1.54	08/15/2023 02:15	S23081425.D
∉ TPH C4-C9		<396		396	08/15/2023 02:15	S23081425.D
∉ **TPH C10-C15**		**6,060**		338	08/15/2023 02:15	S23081425.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*83.5%*	*70-130*		*08/15/2023 02:15*	*S23081425.D*
Surrogate: Toluene-d8	2037-26-5	*94.2%*	*70-130*		*08/15/2023 02:15*	*S23081425.D*
Surrogate: Bromofluorobenzene	460-00-4	*104%*	*70-130*		*08/15/2023 02:15*	*S23081425.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-22

PSG-20

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/15/2023 02:43	S23081426.D
1,1-Dichloroethene	75-35-4	<1.49		1.49	08/15/2023 02:43	S23081426.D
Methylene Chloride	75-09-2	<1.40		1.40	08/15/2023 02:43	S23081426.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/15/2023 02:43	S23081426.D
trans-1,2-Dichloroethene	156-60-5	<1.11		1.11	08/15/2023 02:43	S23081426.D
Methyl-t-butyl ether	1634-04-4	<2.45		2.45	08/15/2023 02:43	S23081426.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/15/2023 02:43	S23081426.D
cis-1,2-Dichloroethene	156-59-2	<0.92		0.92	08/15/2023 02:43	S23081426.D
Chloroform	67-66-3	<1.40		1.40	08/15/2023 02:43	S23081426.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/15/2023 02:43	S23081426.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/15/2023 02:43	S23081426.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/15/2023 02:43	S23081426.D
Benzene	71-43-2	**6.00**		2.31	08/15/2023 02:43	S23081426.D
Trichloroethene	79-01-6	<1.49		1.49	08/15/2023 02:43	S23081426.D
1,4-Dioxane	123-91-1	<1.20		1.20	08/15/2023 02:43	S23081426.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/15/2023 02:43	S23081426.D
Toluene	108-88-3	<3.06		3.06	08/15/2023 02:43	S23081426.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/15/2023 02:43	S23081426.D
Tetrachloroethene	127-18-4	<1.20		1.20	08/15/2023 02:43	S23081426.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/15/2023 02:43	S23081426.D
Chlorobenzene	108-90-7	<0.58		0.58	08/15/2023 02:43	S23081426.D
Ethylbenzene	100-41-4	<1.44		1.44	08/15/2023 02:43	S23081426.D
p & m-Xylene	179601-23-1	<1.39		1.39	08/15/2023 02:43	S23081426.D
o-Xylene	95-47-6	<1.39		1.39	08/15/2023 02:43	S23081426.D
1,2,3-Trichloropropane	96-18-4	<0.65		0.65	08/15/2023 02:43	S23081426.D
Isopropylbenzene	98-82-8	<1.48		1.48	08/15/2023 02:43	S23081426.D
1,3,5-Trimethylbenzene	108-67-8	<1.48		1.48	08/15/2023 02:43	S23081426.D
1,2,4-Trimethylbenzene	95-63-6	<1.48		1.48	08/15/2023 02:43	S23081426.D
1,3-Dichlorobenzene	541-73-1	<0.65		0.65	08/15/2023 02:43	S23081426.D
1,4-Dichlorobenzene	106-46-7	<0.65		0.65	08/15/2023 02:43	S23081426.D
1,2-Dichlorobenzene	95-50-1	<0.65		0.65	08/15/2023 02:43	S23081426.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/15/2023 02:43	S23081426.D
Naphthalene	91-20-3	<1.53		1.53	08/15/2023 02:43	S23081426.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/15/2023 02:43	S23081426.D
2-Methylnaphthalene	91-57-6	<1.61		1.61	08/15/2023 02:43	S23081426.D
∉ **TPH C4-C9**		**565**		415	08/15/2023 02:43	S23081426.D
∉ **TPH C10-C15**		**3,350**		355	08/15/2023 02:43	S23081426.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*83.5%*	*70-130*		*08/15/2023 02:43*	*S23081426.D*
Surrogate: Toluene-d8	2037-26-5	*99.7%*	*70-130*		*08/15/2023 02:43*	*S23081426.D*
Surrogate: Bromofluorobenzene	460-00-4	*102%*	*70-130*		*08/15/2023 02:43*	*S23081426.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-23

PSG-20-Dup

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/15/2023 03:12	S23081427.D
1,1-Dichloroethene	75-35-4	<1.49		1.49	08/15/2023 03:12	S23081427.D
Methylene Chloride	75-09-2	<1.40		1.40	08/15/2023 03:12	S23081427.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/15/2023 03:12	S23081427.D
trans-1,2-Dichloroethene	156-60-5	<1.11		1.11	08/15/2023 03:12	S23081427.D
Methyl-t-butyl ether	1634-04-4	<2.45		2.45	08/15/2023 03:12	S23081427.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/15/2023 03:12	S23081427.D
cis-1,2-Dichloroethene	156-59-2	<0.92		0.92	08/15/2023 03:12	S23081427.D
Chloroform	67-66-3	<1.40		1.40	08/15/2023 03:12	S23081427.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/15/2023 03:12	S23081427.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/15/2023 03:12	S23081427.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/15/2023 03:12	S23081427.D
Benzene	71-43-2	**5.61**		2.31	08/15/2023 03:12	S23081427.D
Trichloroethene	79-01-6	<1.49		1.49	08/15/2023 03:12	S23081427.D
1,4-Dioxane	123-91-1	<1.20		1.20	08/15/2023 03:12	S23081427.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/15/2023 03:12	S23081427.D
Toluene	108-88-3	<3.06		3.06	08/15/2023 03:12	S23081427.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/15/2023 03:12	S23081427.D
Tetrachloroethene	127-18-4	<1.20		1.20	08/15/2023 03:12	S23081427.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/15/2023 03:12	S23081427.D
Chlorobenzene	108-90-7	<0.58		0.58	08/15/2023 03:12	S23081427.D
Ethylbenzene	100-41-4	<1.44		1.44	08/15/2023 03:12	S23081427.D
p & m-Xylene	179601-23-1	<1.39		1.39	08/15/2023 03:12	S23081427.D
o-Xylene	95-47-6	<1.39		1.39	08/15/2023 03:12	S23081427.D
1,2,3-Trichloropropane	96-18-4	<0.65		0.65	08/15/2023 03:12	S23081427.D
Isopropylbenzene	98-82-8	<1.48		1.48	08/15/2023 03:12	S23081427.D
1,3,5-Trimethylbenzene	108-67-8	<1.48		1.48	08/15/2023 03:12	S23081427.D
1,2,4-Trimethylbenzene	95-63-6	<1.48		1.48	08/15/2023 03:12	S23081427.D
1,3-Dichlorobenzene	541-73-1	<0.65		0.65	08/15/2023 03:12	S23081427.D
1,4-Dichlorobenzene	106-46-7	<0.65		0.65	08/15/2023 03:12	S23081427.D
1,2-Dichlorobenzene	95-50-1	<0.65		0.65	08/15/2023 03:12	S23081427.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/15/2023 03:12	S23081427.D
Naphthalene	91-20-3	<1.53		1.53	08/15/2023 03:12	S23081427.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/15/2023 03:12	S23081427.D
2-Methylnaphthalene	91-57-6	<1.61		1.61	08/15/2023 03:12	S23081427.D
∉ **TPH C4-C9**		**527**		415	08/15/2023 03:12	S23081427.D
∉ **TPH C10-C15**		**3,070**		355	08/15/2023 03:12	S23081427.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*85.9%*	*70-130*		*08/15/2023 03:12*	*S23081427.D*
Surrogate: Toluene-d8	2037-26-5	*100%*	*70-130*		*08/15/2023 03:12*	*S23081427.D*
Surrogate: Bromofluorobenzene	460-00-4	*102%*	*70-130*		*08/15/2023 03:12*	*S23081427.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-24

PSG-21

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.60		0.60	08/15/2023 03:41	S23081428.D
1,1-Dichloroethene	75-35-4	<1.48		1.48	08/15/2023 03:41	S23081428.D
Methylene Chloride	75-09-2	<1.40		1.40	08/15/2023 03:41	S23081428.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/15/2023 03:41	S23081428.D
trans-1,2-Dichloroethene	156-60-5	<1.11		1.11	08/15/2023 03:41	S23081428.D
Methyl-t-butyl ether	1634-04-4	<2.45		2.45	08/15/2023 03:41	S23081428.D
1,1-Dichloroethane	75-34-3	**4.84**		0.58	08/15/2023 03:41	S23081428.D
cis-1,2-Dichloroethene	156-59-2	<0.92		0.92	08/15/2023 03:41	S23081428.D
Chloroform	67-66-3	<1.40		1.40	08/15/2023 03:41	S23081428.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/15/2023 03:41	S23081428.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/15/2023 03:41	S23081428.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/15/2023 03:41	S23081428.D
Benzene	71-43-2	**6.77**		2.31	08/15/2023 03:41	S23081428.D
Trichloroethene	79-01-6	<1.48		1.48	08/15/2023 03:41	S23081428.D
1,4-Dioxane	123-91-1	<1.20		1.20	08/15/2023 03:41	S23081428.D
1,1,2-Trichloroethane	79-00-5	<1.48		1.48	08/15/2023 03:41	S23081428.D
Toluene	108-88-3	**4.97**		3.06	08/15/2023 03:41	S23081428.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/15/2023 03:41	S23081428.D
Tetrachloroethene	127-18-4	<1.20		1.20	08/15/2023 03:41	S23081428.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/15/2023 03:41	S23081428.D
Chlorobenzene	108-90-7	<0.58		0.58	08/15/2023 03:41	S23081428.D
Ethylbenzene	100-41-4	<1.44		1.44	08/15/2023 03:41	S23081428.D
p & m-Xylene	179601-23-1	<1.39		1.39	08/15/2023 03:41	S23081428.D
o-Xylene	95-47-6	<1.39		1.39	08/15/2023 03:41	S23081428.D
1,2,3-Trichloropropane	96-18-4	<0.65		0.65	08/15/2023 03:41	S23081428.D
Isopropylbenzene	98-82-8	<1.48		1.48	08/15/2023 03:41	S23081428.D
1,3,5-Trimethylbenzene	108-67-8	<1.48		1.48	08/15/2023 03:41	S23081428.D
1,2,4-Trimethylbenzene	95-63-6	**2.44**		1.48	08/15/2023 03:41	S23081428.D
1,3-Dichlorobenzene	541-73-1	<0.65		0.65	08/15/2023 03:41	S23081428.D
1,4-Dichlorobenzene	106-46-7	<0.65		0.65	08/15/2023 03:41	S23081428.D
1,2-Dichlorobenzene	95-50-1	<0.65		0.65	08/15/2023 03:41	S23081428.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/15/2023 03:41	S23081428.D
Naphthalene	91-20-3	**1.76**		1.53	08/15/2023 03:41	S23081428.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/15/2023 03:41	S23081428.D
2-Methylnaphthalene	91-57-6	**2.98**		1.61	08/15/2023 03:41	S23081428.D
∉ **TPH C4-C9**		**874**		415	08/15/2023 03:41	S23081428.D
∉ **TPH C10-C15**		**2,680**		355	08/15/2023 03:41	S23081428.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*111%*	*70-130*		*08/15/2023 03:41*	*S23081428.D*
Surrogate: Toluene-d8	2037-26-5	*110%*	*70-130*		*08/15/2023 03:41*	*S23081428.D*
Surrogate: Bromofluorobenzene	460-00-4	*104%*	*70-130*		*08/15/2023 03:41*	*S23081428.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-25

PSG-22

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	**2.26**		0.61	08/15/2023 04:09	S23081429.D
1,1-Dichloroethene	75-35-4	**438**		1.50	08/15/2023 04:09	S23081429.D
Methylene Chloride	75-09-2	<1.42		1.42	08/15/2023 04:09	S23081429.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.56		0.56	08/15/2023 04:09	S23081429.D
trans-1,2-Dichloroethene	156-60-5	<1.13		1.13	08/15/2023 04:09	S23081429.D
Methyl-t-butyl ether	1634-04-4	<2.48		2.48	08/15/2023 04:09	S23081429.D
1,1-Dichloroethane	75-34-3	**336**	D	11.2	08/15/2023 13:24	S23081447.D
cis-1,2-Dichloroethene	156-59-2	**1.05**		0.94	08/15/2023 04:09	S23081429.D
Chloroform	67-66-3	<1.42		1.42	08/15/2023 04:09	S23081429.D
1,2-Dichloroethane	107-06-2	<0.89		0.89	08/15/2023 04:09	S23081429.D
1,1,1-Trichloroethane	71-55-6	**110**	D	9.05	08/15/2023 13:24	S23081447.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/15/2023 04:09	S23081429.D
Benzene	71-43-2	**11.7**		2.34	08/15/2023 04:09	S23081429.D
Trichloroethene	79-01-6	<1.50		1.50	08/15/2023 04:09	S23081429.D
1,4-Dioxane	123-91-1	**77.5**		1.21	08/15/2023 04:09	S23081429.D
1,1,2-Trichloroethane	79-00-5	<1.50		1.50	08/15/2023 04:09	S23081429.D
Toluene	108-88-3	**10.1**		3.10	08/15/2023 04:09	S23081429.D
1,2-Dibromoethane (EDB)	106-93-4	<0.64		0.64	08/15/2023 04:09	S23081429.D
Tetrachloroethene	127-18-4	<1.21		1.21	08/15/2023 04:09	S23081429.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21		1.21	08/15/2023 04:09	S23081429.D
Chlorobenzene	108-90-7	<0.58		0.58	08/15/2023 04:09	S23081429.D
Ethylbenzene	100-41-4	**1.90**		1.46	08/15/2023 04:09	S23081429.D
p & m-Xylene	179601-23-1	**2.58**		1.41	08/15/2023 04:09	S23081429.D
o-Xylene	95-47-6	**1.46**		1.41	08/15/2023 04:09	S23081429.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/15/2023 04:09	S23081429.D
Isopropylbenzene	98-82-8	<1.49		1.49	08/15/2023 04:09	S23081429.D
1,3,5-Trimethylbenzene	108-67-8	<1.49		1.49	08/15/2023 04:09	S23081429.D
1,2,4-Trimethylbenzene	95-63-6	<1.49		1.49	08/15/2023 04:09	S23081429.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/15/2023 04:09	S23081429.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/15/2023 04:09	S23081429.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/15/2023 04:09	S23081429.D
1,2,4-Trichlorobenzene	120-82-1	<1.27		1.27	08/15/2023 04:09	S23081429.D
Naphthalene	91-20-3	<1.55		1.55	08/15/2023 04:09	S23081429.D
1,2,3-Trichlorobenzene	87-61-6	<1.27		1.27	08/15/2023 04:09	S23081429.D
2-Methylnaphthalene	91-57-6	<1.63		1.63	08/15/2023 04:09	S23081429.D
∉ **TPH C4-C9**		**20,400**		420	08/15/2023 04:09	S23081429.D
∉ **TPH C10-C15**		**2,850**		359	08/15/2023 04:09	S23081429.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*94.7%*	*70-130*		*08/15/2023 04:09*	*S23081429.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*93.3%*	*70-130*		*08/15/2023 13:24*	*S23081447.D*
Surrogate: Toluene-d8	2037-26-5	*167%*	*70-130*	*S4*	*08/15/2023 13:24*	*S23081447.D*
Surrogate: Toluene-d8	2037-26-5	*%*	*70-130*	*S4*	*08/15/2023 04:09*	*S23081429.D*
Surrogate: Bromofluorobenzene	460-00-4	*106%*	*70-130*		*08/15/2023 04:09*	*S23081429.D*
Surrogate: Bromofluorobenzene	460-00-4	*97.4%*	*70-130*		*08/15/2023 13:24*	*S23081447.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-26

PSG-23

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/15/2023 04:39	S23081430.D
1,1-Dichloroethene	75-35-4	**2.14**		1.50	08/15/2023 04:39	S23081430.D
Methylene Chloride	75-09-2	<1.42		1.42	08/15/2023 04:39	S23081430.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.56		0.56	08/15/2023 04:39	S23081430.D
trans-1,2-Dichloroethene	156-60-5	<1.13		1.13	08/15/2023 04:39	S23081430.D
Methyl-t-butyl ether	1634-04-4	<2.48		2.48	08/15/2023 04:39	S23081430.D
1,1-Dichloroethane	75-34-3	**0.82**		0.58	08/15/2023 04:39	S23081430.D
cis-1,2-Dichloroethene	156-59-2	<0.94		0.94	08/15/2023 04:39	S23081430.D
Chloroform	67-66-3	<1.42		1.42	08/15/2023 04:39	S23081430.D
1,2-Dichloroethane	107-06-2	<0.89		0.89	08/15/2023 04:39	S23081430.D
1,1,1-Trichloroethane	71-55-6	**0.73**		0.47	08/15/2023 04:39	S23081430.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/15/2023 04:39	S23081430.D
Benzene	71-43-2	**3.14**		2.34	08/15/2023 04:39	S23081430.D
Trichloroethene	79-01-6	<1.50		1.50	08/15/2023 04:39	S23081430.D
1,4-Dioxane	123-91-1	<1.21		1.21	08/15/2023 04:39	S23081430.D
1,1,2-Trichloroethane	79-00-5	<1.50		1.50	08/15/2023 04:39	S23081430.D
Toluene	108-88-3	<3.10		3.10	08/15/2023 04:39	S23081430.D
1,2-Dibromoethane (EDB)	106-93-4	<0.64		0.64	08/15/2023 04:39	S23081430.D
Tetrachloroethene	127-18-4	<1.21		1.21	08/15/2023 04:39	S23081430.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21		1.21	08/15/2023 04:39	S23081430.D
Chlorobenzene	108-90-7	<0.58		0.58	08/15/2023 04:39	S23081430.D
Ethylbenzene	100-41-4	<1.46		1.46	08/15/2023 04:39	S23081430.D
p & m-Xylene	179601-23-1	**3.44**		1.41	08/15/2023 04:39	S23081430.D
o-Xylene	95-47-6	<1.41		1.41	08/15/2023 04:39	S23081430.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/15/2023 04:39	S23081430.D
Isopropylbenzene	98-82-8	<1.49		1.49	08/15/2023 04:39	S23081430.D
1,3,5-Trimethylbenzene	108-67-8	<1.49		1.49	08/15/2023 04:39	S23081430.D
1,2,4-Trimethylbenzene	95-63-6	<1.49		1.49	08/15/2023 04:39	S23081430.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/15/2023 04:39	S23081430.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/15/2023 04:39	S23081430.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/15/2023 04:39	S23081430.D
1,2,4-Trichlorobenzene	120-82-1	<1.27		1.27	08/15/2023 04:39	S23081430.D
Naphthalene	91-20-3	<1.55		1.55	08/15/2023 04:39	S23081430.D
1,2,3-Trichlorobenzene	87-61-6	<1.27		1.27	08/15/2023 04:39	S23081430.D
2-Methylnaphthalene	91-57-6	<1.63		1.63	08/15/2023 04:39	S23081430.D
∉ TPH C4-C9		<420		420	08/15/2023 04:39	S23081430.D
∉ TPH C10-C15		<359		359	08/15/2023 04:39	S23081430.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*79.2%*	*70-130*		*08/15/2023 04:39*	*S23081430.D*
Surrogate: Toluene-d8	2037-26-5	*103%*	*70-130*		*08/15/2023 04:39*	*S23081430.D*
Surrogate: Bromofluorobenzene	460-00-4	*101%*	*70-130*		*08/15/2023 04:39*	*S23081430.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-27

PSG-24

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/15/2023 05:07	S23081431.D
1,1-Dichloroethene	75-35-4	**1.91**		1.50	08/15/2023 05:07	S23081431.D
Methylene Chloride	75-09-2	<1.42		1.42	08/15/2023 05:07	S23081431.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.56		0.56	08/15/2023 05:07	S23081431.D
trans-1,2-Dichloroethene	156-60-5	<1.13		1.13	08/15/2023 05:07	S23081431.D
Methyl-t-butyl ether	1634-04-4	<2.48		2.48	08/15/2023 05:07	S23081431.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/15/2023 05:07	S23081431.D
cis-1,2-Dichloroethene	156-59-2	<0.94		0.94	08/15/2023 05:07	S23081431.D
Chloroform	67-66-3	<1.42		1.42	08/15/2023 05:07	S23081431.D
1,2-Dichloroethane	107-06-2	<0.89		0.89	08/15/2023 05:07	S23081431.D
1,1,1-Trichloroethane	71-55-6	**2.56**		0.47	08/15/2023 05:07	S23081431.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/15/2023 05:07	S23081431.D
Benzene	71-43-2	**3.72**		2.34	08/15/2023 05:07	S23081431.D
Trichloroethene	79-01-6	<1.50		1.50	08/15/2023 05:07	S23081431.D
1,4-Dioxane	123-91-1	**1.56**		1.21	08/15/2023 05:07	S23081431.D
1,1,2-Trichloroethane	79-00-5	<1.50		1.50	08/15/2023 05:07	S23081431.D
Toluene	108-88-3	<3.10		3.10	08/15/2023 05:07	S23081431.D
1,2-Dibromoethane (EDB)	106-93-4	<0.64		0.64	08/15/2023 05:07	S23081431.D
Tetrachloroethene	127-18-4	**11.0**		1.21	08/15/2023 05:07	S23081431.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21		1.21	08/15/2023 05:07	S23081431.D
Chlorobenzene	108-90-7	<0.58		0.58	08/15/2023 05:07	S23081431.D
Ethylbenzene	100-41-4	<1.46		1.46	08/15/2023 05:07	S23081431.D
p & m-Xylene	179601-23-1	**2.50**		1.41	08/15/2023 05:07	S23081431.D
o-Xylene	95-47-6	<1.41		1.41	08/15/2023 05:07	S23081431.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/15/2023 05:07	S23081431.D
Isopropylbenzene	98-82-8	<1.49		1.49	08/15/2023 05:07	S23081431.D
1,3,5-Trimethylbenzene	108-67-8	<1.49		1.49	08/15/2023 05:07	S23081431.D
1,2,4-Trimethylbenzene	95-63-6	<1.49		1.49	08/15/2023 05:07	S23081431.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/15/2023 05:07	S23081431.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/15/2023 05:07	S23081431.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/15/2023 05:07	S23081431.D
1,2,4-Trichlorobenzene	120-82-1	<1.27		1.27	08/15/2023 05:07	S23081431.D
Naphthalene	91-20-3	<1.55		1.55	08/15/2023 05:07	S23081431.D
1,2,3-Trichlorobenzene	87-61-6	<1.27		1.27	08/15/2023 05:07	S23081431.D
2-Methylnaphthalene	91-57-6	<1.63		1.63	08/15/2023 05:07	S23081431.D
∉ TPH C4-C9		<420		420	08/15/2023 05:07	S23081431.D
∉ **TPH C10-C15**		**534**		359	08/15/2023 05:07	S23081431.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*91.2%*	*70-130*		*08/15/2023 05:07*	*S23081431.D*
Surrogate: Toluene-d8	2037-26-5	*108%*	*70-130*		*08/15/2023 05:07*	*S23081431.D*
Surrogate: Bromofluorobenzene	460-00-4	*103%*	*70-130*		*08/15/2023 05:07*	*S23081431.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-28

PSG-25

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/15/2023 05:36	S23081432.D
1,1-Dichloroethene	75-35-4	**4.31**		1.49	08/15/2023 05:36	S23081432.D
Methylene Chloride	75-09-2	<1.41		1.41	08/15/2023 05:36	S23081432.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/15/2023 05:36	S23081432.D
trans-1,2-Dichloroethene	156-60-5	**3.51**		1.12	08/15/2023 05:36	S23081432.D
Methyl-t-butyl ether	1634-04-4	<2.47		2.47	08/15/2023 05:36	S23081432.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/15/2023 05:36	S23081432.D
cis-1,2-Dichloroethene	156-59-2	**14.0**		0.93	08/15/2023 05:36	S23081432.D
Chloroform	67-66-3	<1.41		1.41	08/15/2023 05:36	S23081432.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/15/2023 05:36	S23081432.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/15/2023 05:36	S23081432.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/15/2023 05:36	S23081432.D
Benzene	71-43-2	**79.0**		2.33	08/15/2023 05:36	S23081432.D
Trichloroethene	79-01-6	**689**		1.49	08/15/2023 05:36	S23081432.D
1,4-Dioxane	123-91-1	<1.20		1.20	08/15/2023 05:36	S23081432.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/15/2023 05:36	S23081432.D
Toluene	108-88-3	**42.2**		3.08	08/15/2023 05:36	S23081432.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/15/2023 05:36	S23081432.D
Tetrachloroethene	127-18-4	**1,170**		1.20	08/15/2023 05:36	S23081432.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/15/2023 05:36	S23081432.D
Chlorobenzene	108-90-7	<0.58		0.58	08/15/2023 05:36	S23081432.D
Ethylbenzene	100-41-4	**9.38**		1.45	08/15/2023 05:36	S23081432.D
p & m-Xylene	179601-23-1	**13.6**		1.40	08/15/2023 05:36	S23081432.D
o-Xylene	95-47-6	**7.74**		1.40	08/15/2023 05:36	S23081432.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/15/2023 05:36	S23081432.D
Isopropylbenzene	98-82-8	**2.94**		1.49	08/15/2023 05:36	S23081432.D
1,3,5-Trimethylbenzene	108-67-8	**2.02**		1.49	08/15/2023 05:36	S23081432.D
1,2,4-Trimethylbenzene	95-63-6	**3.69**		1.49	08/15/2023 05:36	S23081432.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/15/2023 05:36	S23081432.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/15/2023 05:36	S23081432.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/15/2023 05:36	S23081432.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/15/2023 05:36	S23081432.D
Naphthalene	91-20-3	<1.54		1.54	08/15/2023 05:36	S23081432.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/15/2023 05:36	S23081432.D
2-Methylnaphthalene	91-57-6	<1.62		1.62	08/15/2023 05:36	S23081432.D
∉ **TPH C4-C9**		**6,980**		418	08/15/2023 05:36	S23081432.D
∉ **TPH C10-C15**		**2,360**		357	08/15/2023 05:36	S23081432.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*97.0%*	*70-130*		*08/15/2023 05:36*	*S23081432.D*
Surrogate: Toluene-d8	2037-26-5	*218%*	*70-130*	*S4*	*08/15/2023 05:36*	*S23081432.D*
Surrogate: Bromofluorobenzene	460-00-4	*112%*	*70-130*		*08/15/2023 05:36*	*S23081432.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-29

PSG-25-Dup

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/15/2023 06:04	S23081433.D
1,1-Dichloroethene	75-35-4	**2.83**		1.49	08/15/2023 06:04	S23081433.D
Methylene Chloride	75-09-2	<1.41		1.41	08/15/2023 06:04	S23081433.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/15/2023 06:04	S23081433.D
trans-1,2-Dichloroethene	156-60-5	**1.96**		1.12	08/15/2023 06:04	S23081433.D
Methyl-t-butyl ether	1634-04-4	<2.47		2.47	08/15/2023 06:04	S23081433.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/15/2023 06:04	S23081433.D
cis-1,2-Dichloroethene	156-59-2	**8.93**		0.93	08/15/2023 06:04	S23081433.D
Chloroform	67-66-3	<1.41		1.41	08/15/2023 06:04	S23081433.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/15/2023 06:04	S23081433.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/15/2023 06:04	S23081433.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/15/2023 06:04	S23081433.D
Benzene	71-43-2	**125**		2.33	08/15/2023 06:04	S23081433.D
Trichloroethene	79-01-6	**584**		1.49	08/15/2023 06:04	S23081433.D
1,4-Dioxane	123-91-1	<1.20		1.20	08/15/2023 06:04	S23081433.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/15/2023 06:04	S23081433.D
Toluene	108-88-3	**52.4**		3.08	08/15/2023 06:04	S23081433.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/15/2023 06:04	S23081433.D
Tetrachloroethene	127-18-4	**1,110**		1.20	08/15/2023 06:04	S23081433.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/15/2023 06:04	S23081433.D
Chlorobenzene	108-90-7	<0.58		0.58	08/15/2023 06:04	S23081433.D
Ethylbenzene	100-41-4	**8.12**		1.45	08/15/2023 06:04	S23081433.D
p & m-Xylene	179601-23-1	**10.0**		1.40	08/15/2023 06:04	S23081433.D
o-Xylene	95-47-6	**4.91**		1.40	08/15/2023 06:04	S23081433.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/15/2023 06:04	S23081433.D
Isopropylbenzene	98-82-8	**2.33**		1.49	08/15/2023 06:04	S23081433.D
1,3,5-Trimethylbenzene	108-67-8	**1.74**		1.49	08/15/2023 06:04	S23081433.D
1,2,4-Trimethylbenzene	95-63-6	**2.96**		1.49	08/15/2023 06:04	S23081433.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/15/2023 06:04	S23081433.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/15/2023 06:04	S23081433.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/15/2023 06:04	S23081433.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/15/2023 06:04	S23081433.D
Naphthalene	91-20-3	<1.54		1.54	08/15/2023 06:04	S23081433.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/15/2023 06:04	S23081433.D
2-Methylnaphthalene	91-57-6	<1.62		1.62	08/15/2023 06:04	S23081433.D
∉ **TPH C4-C9**		**12,700**		418	08/15/2023 06:04	S23081433.D
∉ **TPH C10-C15**		**2,740**		357	08/15/2023 06:04	S23081433.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*129%*	*70-130*		*08/15/2023 06:04*	*S23081433.D*
Surrogate: Toluene-d8	2037-26-5	*266%*	*70-130*	*S4*	*08/15/2023 06:04*	*S23081433.D*
Surrogate: Bromofluorobenzene	460-00-4	*112%*	*70-130*		*08/15/2023 06:04*	*S23081433.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-30

PSG-26

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/15/2023 06:33	S23081434.D
1,1-Dichloroethene	75-35-4	<1.49		1.49	08/15/2023 06:33	S23081434.D
Methylene Chloride	75-09-2	<1.41		1.41	08/15/2023 06:33	S23081434.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/15/2023 06:33	S23081434.D
trans-1,2-Dichloroethene	156-60-5	<1.12		1.12	08/15/2023 06:33	S23081434.D
Methyl-t-butyl ether	1634-04-4	<2.47		2.47	08/15/2023 06:33	S23081434.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/15/2023 06:33	S23081434.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/15/2023 06:33	S23081434.D
Chloroform	67-66-3	<1.41		1.41	08/15/2023 06:33	S23081434.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/15/2023 06:33	S23081434.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/15/2023 06:33	S23081434.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/15/2023 06:33	S23081434.D
Benzene	71-43-2	**8.22**		2.33	08/15/2023 06:33	S23081434.D
Trichloroethene	79-01-6	<1.49		1.49	08/15/2023 06:33	S23081434.D
1,4-Dioxane	123-91-1	<1.20		1.20	08/15/2023 06:33	S23081434.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/15/2023 06:33	S23081434.D
Toluene	108-88-3	**3.48**		3.08	08/15/2023 06:33	S23081434.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/15/2023 06:33	S23081434.D
Tetrachloroethene	127-18-4	**5.16**		1.20	08/15/2023 06:33	S23081434.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/15/2023 06:33	S23081434.D
Chlorobenzene	108-90-7	<0.58		0.58	08/15/2023 06:33	S23081434.D
Ethylbenzene	100-41-4	**4.03**		1.45	08/15/2023 06:33	S23081434.D
p & m-Xylene	179601-23-1	**10.1**		1.40	08/15/2023 06:33	S23081434.D
o-Xylene	95-47-6	**6.50**		1.40	08/15/2023 06:33	S23081434.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/15/2023 06:33	S23081434.D
Isopropylbenzene	98-82-8	<1.49		1.49	08/15/2023 06:33	S23081434.D
1,3,5-Trimethylbenzene	108-67-8	**2.39**		1.49	08/15/2023 06:33	S23081434.D
1,2,4-Trimethylbenzene	95-63-6	**3.79**		1.49	08/15/2023 06:33	S23081434.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/15/2023 06:33	S23081434.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/15/2023 06:33	S23081434.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/15/2023 06:33	S23081434.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/15/2023 06:33	S23081434.D
Naphthalene	91-20-3	<1.54		1.54	08/15/2023 06:33	S23081434.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/15/2023 06:33	S23081434.D
2-Methylnaphthalene	91-57-6	**1.63**		1.62	08/15/2023 06:33	S23081434.D
∈ **TPH C4-C9**		**3,940**		418	08/15/2023 06:33	S23081434.D
∈ **TPH C10-C15**		**1,210**		357	08/15/2023 06:33	S23081434.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*82.0%*	*70-130*		*08/15/2023 06:33*	*S23081434.D*
Surrogate: Toluene-d8	2037-26-5	*197%*	*70-130*	*S4*	*08/15/2023 06:33*	*S23081434.D*
Surrogate: Bromofluorobenzene	460-00-4	*101%*	*70-130*		*08/15/2023 06:33*	*S23081434.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-31

PSG-27

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.57		0.57	08/15/2023 07:03	S23081435.D
1,1-Dichloroethene	75-35-4	<1.41		1.41	08/15/2023 07:03	S23081435.D
Methylene Chloride	75-09-2	<1.33		1.33	08/15/2023 07:03	S23081435.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	08/15/2023 07:03	S23081435.D
trans-1,2-Dichloroethene	156-60-5	<1.05		1.05	08/15/2023 07:03	S23081435.D
Methyl-t-butyl ether	1634-04-4	<2.32		2.32	08/15/2023 07:03	S23081435.D
1,1-Dichloroethane	75-34-3	<0.55		0.55	08/15/2023 07:03	S23081435.D
cis-1,2-Dichloroethene	156-59-2	<0.88		0.88	08/15/2023 07:03	S23081435.D
Chloroform	67-66-3	<1.33		1.33	08/15/2023 07:03	S23081435.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	08/15/2023 07:03	S23081435.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	08/15/2023 07:03	S23081435.D
Carbon Tetrachloride	56-23-5	<1.08		1.08	08/15/2023 07:03	S23081435.D
Benzene	71-43-2	<2.19		2.19	08/15/2023 07:03	S23081435.D
Trichloroethene	79-01-6	<1.41		1.41	08/15/2023 07:03	S23081435.D
1,4-Dioxane	123-91-1	<1.13		1.13	08/15/2023 07:03	S23081435.D
1,1,2-Trichloroethane	79-00-5	<1.41		1.41	08/15/2023 07:03	S23081435.D
Toluene	108-88-3	**2.98**		2.90	08/15/2023 07:03	S23081435.D
1,2-Dibromoethane (EDB)	106-93-4	<0.59		0.59	08/15/2023 07:03	S23081435.D
Tetrachloroethene	127-18-4	**1.14**		1.13	08/15/2023 07:03	S23081435.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.13		1.13	08/15/2023 07:03	S23081435.D
Chlorobenzene	108-90-7	<0.55		0.55	08/15/2023 07:03	S23081435.D
Ethylbenzene	100-41-4	<1.36		1.36	08/15/2023 07:03	S23081435.D
p & m-Xylene	179601-23-1	**3.83**		1.32	08/15/2023 07:03	S23081435.D
o-Xylene	95-47-6	**1.91**		1.32	08/15/2023 07:03	S23081435.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	08/15/2023 07:03	S23081435.D
Isopropylbenzene	98-82-8	<1.40		1.40	08/15/2023 07:03	S23081435.D
1,3,5-Trimethylbenzene	108-67-8	**2.66**		1.40	08/15/2023 07:03	S23081435.D
1,2,4-Trimethylbenzene	95-63-6	**8.04**		1.40	08/15/2023 07:03	S23081435.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	08/15/2023 07:03	S23081435.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	08/15/2023 07:03	S23081435.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	08/15/2023 07:03	S23081435.D
1,2,4-Trichlorobenzene	120-82-1	<1.19		1.19	08/15/2023 07:03	S23081435.D
Naphthalene	91-20-3	<1.45		1.45	08/15/2023 07:03	S23081435.D
1,2,3-Trichlorobenzene	87-61-6	<1.19		1.19	08/15/2023 07:03	S23081435.D
2-Methylnaphthalene	91-57-6	<1.53		1.53	08/15/2023 07:03	S23081435.D
∉ TPH C4-C9		<393		393	08/15/2023 07:03	S23081435.D
∉ **TPH C10-C15**		**336**		336	08/15/2023 07:03	S23081435.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*79.8%*	*70-130*		*08/15/2023 07:03*	*S23081435.D*
Surrogate: Toluene-d8	2037-26-5	*102%*	*70-130*		*08/15/2023 07:03*	*S23081435.D*
Surrogate: Bromofluorobenzene	460-00-4	*102%*	*70-130*		*08/15/2023 07:03*	*S23081435.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-32

PSG-28

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/15/2023 07:31	S23081436.D
1,1-Dichloroethene	75-35-4	<1.49		1.49	08/15/2023 07:31	S23081436.D
Methylene Chloride	75-09-2	<1.41		1.41	08/15/2023 07:31	S23081436.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/15/2023 07:31	S23081436.D
trans-1,2-Dichloroethene	156-60-5	<1.12		1.12	08/15/2023 07:31	S23081436.D
Methyl-t-butyl ether	1634-04-4	<2.46		2.46	08/15/2023 07:31	S23081436.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/15/2023 07:31	S23081436.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/15/2023 07:31	S23081436.D
Chloroform	67-66-3	<1.41		1.41	08/15/2023 07:31	S23081436.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/15/2023 07:31	S23081436.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/15/2023 07:31	S23081436.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/15/2023 07:31	S23081436.D
Benzene	71-43-2	**2.72**		2.32	08/15/2023 07:31	S23081436.D
Trichloroethene	79-01-6	<1.49		1.49	08/15/2023 07:31	S23081436.D
1,4-Dioxane	123-91-1	<1.20		1.20	08/15/2023 07:31	S23081436.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/15/2023 07:31	S23081436.D
Toluene	108-88-3	<3.08		3.08	08/15/2023 07:31	S23081436.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/15/2023 07:31	S23081436.D
Tetrachloroethene	127-18-4	**10.0**		1.20	08/15/2023 07:31	S23081436.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/15/2023 07:31	S23081436.D
Chlorobenzene	108-90-7	<0.58		0.58	08/15/2023 07:31	S23081436.D
Ethylbenzene	100-41-4	<1.45		1.45	08/15/2023 07:31	S23081436.D
p & m-Xylene	179601-23-1	<1.40		1.40	08/15/2023 07:31	S23081436.D
o-Xylene	95-47-6	<1.40		1.40	08/15/2023 07:31	S23081436.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/15/2023 07:31	S23081436.D
Isopropylbenzene	98-82-8	**1.52**		1.48	08/15/2023 07:31	S23081436.D
1,3,5-Trimethylbenzene	108-67-8	**2.23**		1.48	08/15/2023 07:31	S23081436.D
1,2,4-Trimethylbenzene	95-63-6	**5.41**		1.48	08/15/2023 07:31	S23081436.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/15/2023 07:31	S23081436.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/15/2023 07:31	S23081436.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/15/2023 07:31	S23081436.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/15/2023 07:31	S23081436.D
Naphthalene	91-20-3	<1.54		1.54	08/15/2023 07:31	S23081436.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/15/2023 07:31	S23081436.D
2-Methylnaphthalene	91-57-6	<1.62		1.62	08/15/2023 07:31	S23081436.D
∉ TPH C4-C9		<417		417	08/15/2023 07:31	S23081436.D
∉ **TPH C10-C15**		**421**		357	08/15/2023 07:31	S23081436.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*85.2%*	*70-130*		*08/15/2023 07:31*	*S23081436.D*
Surrogate: Toluene-d8	2037-26-5	*99.3%*	*70-130*		*08/15/2023 07:31*	*S23081436.D*
Surrogate: Bromofluorobenzene	460-00-4	*104%*	*70-130*		*08/15/2023 07:31*	*S23081436.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-33

PSG-29

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/15/2023 11:41	S23081445.D
1,1-Dichloroethene	75-35-4	<1.49		1.49	08/15/2023 11:41	S23081445.D
Methylene Chloride	75-09-2	<1.41		1.41	08/15/2023 11:41	S23081445.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/15/2023 11:41	S23081445.D
trans-1,2-Dichloroethene	156-60-5	<1.12		1.12	08/15/2023 11:41	S23081445.D
Methyl-t-butyl ether	1634-04-4	<2.46		2.46	08/15/2023 11:41	S23081445.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/15/2023 11:41	S23081445.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/15/2023 11:41	S23081445.D
Chloroform	67-66-3	<1.41		1.41	08/15/2023 11:41	S23081445.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/15/2023 11:41	S23081445.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/15/2023 11:41	S23081445.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/15/2023 11:41	S23081445.D
Benzene	71-43-2	<2.32		2.32	08/15/2023 11:41	S23081445.D
Trichloroethene	79-01-6	<1.49		1.49	08/15/2023 11:41	S23081445.D
1,4-Dioxane	123-91-1	<1.20		1.20	08/15/2023 11:41	S23081445.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/15/2023 11:41	S23081445.D
Toluene	108-88-3	**6.41**		3.08	08/15/2023 11:41	S23081445.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/15/2023 11:41	S23081445.D
Tetrachloroethene	127-18-4	<1.20		1.20	08/15/2023 11:41	S23081445.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/15/2023 11:41	S23081445.D
Chlorobenzene	108-90-7	<0.58		0.58	08/15/2023 11:41	S23081445.D
Ethylbenzene	100-41-4	<1.45		1.45	08/15/2023 11:41	S23081445.D
p & m-Xylene	179601-23-1	**10.3**		1.40	08/15/2023 11:41	S23081445.D
o-Xylene	95-47-6	**5.19**		1.40	08/15/2023 11:41	S23081445.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/15/2023 11:41	S23081445.D
Isopropylbenzene	98-82-8	**35.1**		1.48	08/15/2023 11:41	S23081445.D
1,3,5-Trimethylbenzene	108-67-8	**44.4**		1.48	08/15/2023 11:41	S23081445.D
1,2,4-Trimethylbenzene	95-63-6	**71.5**	D	28.4	08/15/2023 13:54	S23081448.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/15/2023 11:41	S23081445.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/15/2023 11:41	S23081445.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/15/2023 11:41	S23081445.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/15/2023 11:41	S23081445.D
Naphthalene	91-20-3	**3.97**		1.54	08/15/2023 11:41	S23081445.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/15/2023 11:41	S23081445.D
2-Methylnaphthalene	91-57-6	<1.62		1.62	08/15/2023 11:41	S23081445.D
∉ **TPH C4-C9**		**2,670**		417	08/15/2023 11:41	S23081445.D
∉ **TPH C10-C15**		**1,860**		357	08/15/2023 11:41	S23081445.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*90.2%*	*70-130*		*08/15/2023 11:41*	*S23081445.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*92.2%*	*70-130*		*08/15/2023 13:54*	*S23081448.D*
Surrogate: Toluene-d8	2037-26-5	*106%*	*70-130*		*08/15/2023 13:54*	*S23081448.D*
Surrogate: Toluene-d8	2037-26-5	*177%*	*70-130*	*S4*	*08/15/2023 11:41*	*S23081445.D*
Surrogate: Bromofluorobenzene	460-00-4	*99.1%*	*70-130*		*08/15/2023 13:54*	*S23081448.D*
Surrogate: Bromofluorobenzene	460-00-4	*107%*	*70-130*		*08/15/2023 11:41*	*S23081445.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-34

PSG-30

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.56		0.56	08/15/2023 08:18	S23081438.D
1,1-Dichloroethene	75-35-4	<1.38		1.38	08/15/2023 08:18	S23081438.D
Methylene Chloride	75-09-2	<1.31		1.31	08/15/2023 08:18	S23081438.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.51		0.51	08/15/2023 08:18	S23081438.D
trans-1,2-Dichloroethene	156-60-5	<1.04		1.04	08/15/2023 08:18	S23081438.D
Methyl-t-butyl ether	1634-04-4	<2.29		2.29	08/15/2023 08:18	S23081438.D
1,1-Dichloroethane	75-34-3	<0.54		0.54	08/15/2023 08:18	S23081438.D
cis-1,2-Dichloroethene	156-59-2	<0.86		0.86	08/15/2023 08:18	S23081438.D
Chloroform	67-66-3	<1.31		1.31	08/15/2023 08:18	S23081438.D
1,2-Dichloroethane	107-06-2	<0.82		0.82	08/15/2023 08:18	S23081438.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	08/15/2023 08:18	S23081438.D
Carbon Tetrachloride	56-23-5	<1.06		1.06	08/15/2023 08:18	S23081438.D
Benzene	71-43-2	**6.97**		2.16	08/15/2023 08:18	S23081438.D
Trichloroethene	79-01-6	<1.38		1.38	08/15/2023 08:18	S23081438.D
1,4-Dioxane	123-91-1	<1.11		1.11	08/15/2023 08:18	S23081438.D
1,1,2-Trichloroethane	79-00-5	<1.38		1.38	08/15/2023 08:18	S23081438.D
Toluene	108-88-3	**3.77**		2.86	08/15/2023 08:18	S23081438.D
1,2-Dibromoethane (EDB)	106-93-4	<0.59		0.59	08/15/2023 08:18	S23081438.D
Tetrachloroethene	127-18-4	<1.11		1.11	08/15/2023 08:18	S23081438.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.11		1.11	08/15/2023 08:18	S23081438.D
Chlorobenzene	108-90-7	<0.54		0.54	08/15/2023 08:18	S23081438.D
Ethylbenzene	100-41-4	<1.34		1.34	08/15/2023 08:18	S23081438.D
p & m-Xylene	179601-23-1	<1.30		1.30	08/15/2023 08:18	S23081438.D
o-Xylene	95-47-6	<1.30		1.30	08/15/2023 08:18	S23081438.D
1,2,3-Trichloropropane	96-18-4	<0.61		0.61	08/15/2023 08:18	S23081438.D
Isopropylbenzene	98-82-8	<1.38		1.38	08/15/2023 08:18	S23081438.D
1,3,5-Trimethylbenzene	108-67-8	<1.38		1.38	08/15/2023 08:18	S23081438.D
1,2,4-Trimethylbenzene	95-63-6	**3.12**		1.38	08/15/2023 08:18	S23081438.D
1,3-Dichlorobenzene	541-73-1	<0.61		0.61	08/15/2023 08:18	S23081438.D
1,4-Dichlorobenzene	106-46-7	<0.61		0.61	08/15/2023 08:18	S23081438.D
1,2-Dichlorobenzene	95-50-1	<0.61		0.61	08/15/2023 08:18	S23081438.D
1,2,4-Trichlorobenzene	120-82-1	**30.6**		1.17	08/15/2023 08:18	S23081438.D
Naphthalene	91-20-3	**1.75**		1.43	08/15/2023 08:18	S23081438.D
1,2,3-Trichlorobenzene	87-61-6	**12.2**		1.17	08/15/2023 08:18	S23081438.D
2-Methylnaphthalene	91-57-6	**1.99**		1.50	08/15/2023 08:18	S23081438.D
∉ TPH C4-C9		<387		387	08/15/2023 08:18	S23081438.D
∉ **TPH C10-C15**		**4,290**		331	08/15/2023 08:18	S23081438.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*88.0%*	*70-130*		*08/15/2023 08:18*	*S23081438.D*
Surrogate: Toluene-d8	2037-26-5	*98.5%*	*70-130*		*08/15/2023 08:18*	*S23081438.D*
Surrogate: Bromofluorobenzene	460-00-4	*104%*	*70-130*		*08/15/2023 08:18*	*S23081438.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-35

PSG-31

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	**0.90**		0.61	08/15/2023 08:46	S23081439.D
1,1-Dichloroethene	75-35-4	**6.71**		1.49	08/15/2023 08:46	S23081439.D
Methylene Chloride	75-09-2	<1.40		1.40	08/15/2023 08:46	S23081439.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/15/2023 08:46	S23081439.D
trans-1,2-Dichloroethene	156-60-5	<1.12		1.12	08/15/2023 08:46	S23081439.D
Methyl-t-butyl ether	1634-04-4	**4.74**		2.45	08/15/2023 08:46	S23081439.D
1,1-Dichloroethane	75-34-3	**9.34**		0.58	08/15/2023 08:46	S23081439.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/15/2023 08:46	S23081439.D
Chloroform	67-66-3	<1.40		1.40	08/15/2023 08:46	S23081439.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/15/2023 08:46	S23081439.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/15/2023 08:46	S23081439.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/15/2023 08:46	S23081439.D
Benzene	71-43-2	**23.9**		2.31	08/15/2023 08:46	S23081439.D
Trichloroethene	79-01-6	<1.49		1.49	08/15/2023 08:46	S23081439.D
1,4-Dioxane	123-91-1	<1.20		1.20	08/15/2023 08:46	S23081439.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/15/2023 08:46	S23081439.D
Toluene	108-88-3	**18.8**		3.07	08/15/2023 08:46	S23081439.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/15/2023 08:46	S23081439.D
Tetrachloroethene	127-18-4	<1.20		1.20	08/15/2023 08:46	S23081439.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/15/2023 08:46	S23081439.D
Chlorobenzene	108-90-7	<0.58		0.58	08/15/2023 08:46	S23081439.D
Ethylbenzene	100-41-4	**2.15**		1.44	08/15/2023 08:46	S23081439.D
p & m-Xylene	179601-23-1	**3.53**		1.39	08/15/2023 08:46	S23081439.D
o-Xylene	95-47-6	**3.40**		1.39	08/15/2023 08:46	S23081439.D
1,2,3-Trichloropropane	96-18-4	<0.65		0.65	08/15/2023 08:46	S23081439.D
Isopropylbenzene	98-82-8	<1.48		1.48	08/15/2023 08:46	S23081439.D
1,3,5-Trimethylbenzene	108-67-8	<1.48		1.48	08/15/2023 08:46	S23081439.D
1,2,4-Trimethylbenzene	95-63-6	<1.48		1.48	08/15/2023 08:46	S23081439.D
1,3-Dichlorobenzene	541-73-1	<0.65		0.65	08/15/2023 08:46	S23081439.D
1,4-Dichlorobenzene	106-46-7	<0.65		0.65	08/15/2023 08:46	S23081439.D
1,2-Dichlorobenzene	95-50-1	<0.65		0.65	08/15/2023 08:46	S23081439.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/15/2023 08:46	S23081439.D
Naphthalene	91-20-3	**31.5**		1.53	08/15/2023 08:46	S23081439.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/15/2023 08:46	S23081439.D
2-Methylnaphthalene	91-57-6	**52.4**		1.61	08/15/2023 08:46	S23081439.D
∉ **TPH C4-C9**		**4,800**		416	08/15/2023 08:46	S23081439.D
∉ **TPH C10-C15**		**30,300**		356	08/15/2023 08:46	S23081439.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*90.4%*	*70-130*		*08/15/2023 08:46*	*S23081439.D*
Surrogate: Toluene-d8	2037-26-5	*104%*	*70-130*		*08/15/2023 08:46*	*S23081439.D*
Surrogate: Bromofluorobenzene	460-00-4	*105%*	*70-130*		*08/15/2023 08:46*	*S23081439.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-36

PSG-32

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	**0.73**		0.61	08/15/2023 09:16	S23081440.D
1,1-Dichloroethene	75-35-4	**4.23**		1.49	08/15/2023 09:16	S23081440.D
Methylene Chloride	75-09-2	<1.40		1.40	08/15/2023 09:16	S23081440.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/15/2023 09:16	S23081440.D
trans-1,2-Dichloroethene	156-60-5	**7.76**		1.11	08/15/2023 09:16	S23081440.D
Methyl-t-butyl ether	1634-04-4	**2.72**		2.45	08/15/2023 09:16	S23081440.D
1,1-Dichloroethane	75-34-3	**2.36**		0.58	08/15/2023 09:16	S23081440.D
cis-1,2-Dichloroethene	156-59-2	**25.3**		0.93	08/15/2023 09:16	S23081440.D
Chloroform	67-66-3	<1.40		1.40	08/15/2023 09:16	S23081440.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/15/2023 09:16	S23081440.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/15/2023 09:16	S23081440.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/15/2023 09:16	S23081440.D
Benzene	71-43-2	**29.0**		2.31	08/15/2023 09:16	S23081440.D
Trichloroethene	79-01-6	**3.55**		1.49	08/15/2023 09:16	S23081440.D
1,4-Dioxane	123-91-1	<1.20		1.20	08/15/2023 09:16	S23081440.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/15/2023 09:16	S23081440.D
Toluene	108-88-3	**7.56**		3.06	08/15/2023 09:16	S23081440.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/15/2023 09:16	S23081440.D
Tetrachloroethene	127-18-4	<1.20		1.20	08/15/2023 09:16	S23081440.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/15/2023 09:16	S23081440.D
Chlorobenzene	108-90-7	<0.58		0.58	08/15/2023 09:16	S23081440.D
Ethylbenzene	100-41-4	<1.44		1.44	08/15/2023 09:16	S23081440.D
p & m-Xylene	179601-23-1	**3.28**		1.39	08/15/2023 09:16	S23081440.D
o-Xylene	95-47-6	**1.90**		1.39	08/15/2023 09:16	S23081440.D
1,2,3-Trichloropropane	96-18-4	<0.65		0.65	08/15/2023 09:16	S23081440.D
Isopropylbenzene	98-82-8	**7.70**		1.48	08/15/2023 09:16	S23081440.D
1,3,5-Trimethylbenzene	108-67-8	<1.48		1.48	08/15/2023 09:16	S23081440.D
1,2,4-Trimethylbenzene	95-63-6	**1.74**		1.48	08/15/2023 09:16	S23081440.D
1,3-Dichlorobenzene	541-73-1	<0.65		0.65	08/15/2023 09:16	S23081440.D
1,4-Dichlorobenzene	106-46-7	<0.65		0.65	08/15/2023 09:16	S23081440.D
1,2-Dichlorobenzene	95-50-1	<0.65		0.65	08/15/2023 09:16	S23081440.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/15/2023 09:16	S23081440.D
Naphthalene	91-20-3	**3.97**		1.53	08/15/2023 09:16	S23081440.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/15/2023 09:16	S23081440.D
2-Methylnaphthalene	91-57-6	**2.09**		1.61	08/15/2023 09:16	S23081440.D
∉ **TPH C4-C9**		**2,090**		416	08/15/2023 09:16	S23081440.D
∉ **TPH C10-C15**		**5,700**		355	08/15/2023 09:16	S23081440.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*88.4%*	*70-130*		*08/15/2023 09:16*	*S23081440.D*
Surrogate: Toluene-d8	2037-26-5	*111%*	*70-130*		*08/15/2023 09:16*	*S23081440.D*
Surrogate: Bromofluorobenzene	460-00-4	*103%*	*70-130*		*08/15/2023 09:16*	*S23081440.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-37

PSG-33

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/15/2023 09:45	S23081441.D
1,1-Dichloroethene	75-35-4	<1.49		1.49	08/15/2023 09:45	S23081441.D
Methylene Chloride	75-09-2	<1.40		1.40	08/15/2023 09:45	S23081441.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/15/2023 09:45	S23081441.D
trans-1,2-Dichloroethene	156-60-5	<1.11		1.11	08/15/2023 09:45	S23081441.D
Methyl-t-butyl ether	1634-04-4	**3.63**		2.45	08/15/2023 09:45	S23081441.D
1,1-Dichloroethane	75-34-3	**2.15**		0.58	08/15/2023 09:45	S23081441.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/15/2023 09:45	S23081441.D
Chloroform	67-66-3	<1.40		1.40	08/15/2023 09:45	S23081441.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/15/2023 09:45	S23081441.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/15/2023 09:45	S23081441.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/15/2023 09:45	S23081441.D
Benzene	71-43-2	**8.25**		2.31	08/15/2023 09:45	S23081441.D
Trichloroethene	79-01-6	**1.69**		1.49	08/15/2023 09:45	S23081441.D
1,4-Dioxane	123-91-1	<1.20		1.20	08/15/2023 09:45	S23081441.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/15/2023 09:45	S23081441.D
Toluene	108-88-3	**4.62**		3.07	08/15/2023 09:45	S23081441.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/15/2023 09:45	S23081441.D
Tetrachloroethene	127-18-4	**7.55**		1.20	08/15/2023 09:45	S23081441.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/15/2023 09:45	S23081441.D
Chlorobenzene	108-90-7	<0.58		0.58	08/15/2023 09:45	S23081441.D
Ethylbenzene	100-41-4	<1.44		1.44	08/15/2023 09:45	S23081441.D
p & m-Xylene	179601-23-1	**1.88**		1.39	08/15/2023 09:45	S23081441.D
o-Xylene	95-47-6	<1.39		1.39	08/15/2023 09:45	S23081441.D
1,2,3-Trichloropropane	96-18-4	<0.65		0.65	08/15/2023 09:45	S23081441.D
Isopropylbenzene	98-82-8	<1.48		1.48	08/15/2023 09:45	S23081441.D
1,3,5-Trimethylbenzene	108-67-8	**1.77**		1.48	08/15/2023 09:45	S23081441.D
1,2,4-Trimethylbenzene	95-63-6	**2.56**		1.48	08/15/2023 09:45	S23081441.D
1,3-Dichlorobenzene	541-73-1	<0.65		0.65	08/15/2023 09:45	S23081441.D
1,4-Dichlorobenzene	106-46-7	<0.65		0.65	08/15/2023 09:45	S23081441.D
1,2-Dichlorobenzene	95-50-1	<0.65		0.65	08/15/2023 09:45	S23081441.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/15/2023 09:45	S23081441.D
Naphthalene	91-20-3	<1.53		1.53	08/15/2023 09:45	S23081441.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/15/2023 09:45	S23081441.D
2-Methylnaphthalene	91-57-6	<1.61		1.61	08/15/2023 09:45	S23081441.D
∉ **TPH C4-C9**		**481**		416	08/15/2023 09:45	S23081441.D
∉ **TPH C10-C15**		**878**		355	08/15/2023 09:45	S23081441.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*91.1%*	*70-130*		*08/15/2023 09:45*	*S23081441.D*
Surrogate: Toluene-d8	2037-26-5	*102%*	*70-130*		*08/15/2023 09:45*	*S23081441.D*
Surrogate: Bromofluorobenzene	460-00-4	*106%*	*70-130*		*08/15/2023 09:45*	*S23081441.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-38

PSG-34

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	**1.07**		0.61	08/15/2023 10:13	S23081442.D
1,1-Dichloroethene	75-35-4	**14.5**		1.50	08/15/2023 10:13	S23081442.D
Methylene Chloride	75-09-2	<1.42		1.42	08/15/2023 10:13	S23081442.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.56		0.56	08/15/2023 10:13	S23081442.D
trans-1,2-Dichloroethene	156-60-5	<1.13		1.13	08/15/2023 10:13	S23081442.D
Methyl-t-butyl ether	1634-04-4	<2.48		2.48	08/15/2023 10:13	S23081442.D
1,1-Dichloroethane	75-34-3	**4.23**		0.58	08/15/2023 10:13	S23081442.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/15/2023 10:13	S23081442.D
Chloroform	67-66-3	<1.42		1.42	08/15/2023 10:13	S23081442.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/15/2023 10:13	S23081442.D
1,1,1-Trichloroethane	71-55-6	**7.48**		0.47	08/15/2023 10:13	S23081442.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/15/2023 10:13	S23081442.D
Benzene	71-43-2	<2.34		2.34	08/15/2023 10:13	S23081442.D
Trichloroethene	79-01-6	<1.50		1.50	08/15/2023 10:13	S23081442.D
1,4-Dioxane	123-91-1	<1.21		1.21	08/15/2023 10:13	S23081442.D
1,1,2-Trichloroethane	79-00-5	<1.50		1.50	08/15/2023 10:13	S23081442.D
Toluene	108-88-3	<3.10		3.10	08/15/2023 10:13	S23081442.D
1,2-Dibromoethane (EDB)	106-93-4	<0.64		0.64	08/15/2023 10:13	S23081442.D
Tetrachloroethene	127-18-4	<1.21		1.21	08/15/2023 10:13	S23081442.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21		1.21	08/15/2023 10:13	S23081442.D
Chlorobenzene	108-90-7	<0.58		0.58	08/15/2023 10:13	S23081442.D
Ethylbenzene	100-41-4	**2.90**		1.46	08/15/2023 10:13	S23081442.D
p & m-Xylene	179601-23-1	**15.8**		1.41	08/15/2023 10:13	S23081442.D
o-Xylene	95-47-6	**6.12**		1.41	08/15/2023 10:13	S23081442.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/15/2023 10:13	S23081442.D
Isopropylbenzene	98-82-8	<1.49		1.49	08/15/2023 10:13	S23081442.D
1,3,5-Trimethylbenzene	108-67-8	<1.49		1.49	08/15/2023 10:13	S23081442.D
1,2,4-Trimethylbenzene	95-63-6	<1.49		1.49	08/15/2023 10:13	S23081442.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/15/2023 10:13	S23081442.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/15/2023 10:13	S23081442.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/15/2023 10:13	S23081442.D
1,2,4-Trichlorobenzene	120-82-1	<1.27		1.27	08/15/2023 10:13	S23081442.D
Naphthalene	91-20-3	**2.33**		1.55	08/15/2023 10:13	S23081442.D
1,2,3-Trichlorobenzene	87-61-6	<1.27		1.27	08/15/2023 10:13	S23081442.D
2-Methylnaphthalene	91-57-6	<1.63		1.63	08/15/2023 10:13	S23081442.D
∉ TPH C4-C9		<420		420	08/15/2023 10:13	S23081442.D
∉ TPH C10-C15		<359		359	08/15/2023 10:13	S23081442.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*81.0%*	*70-130*		*08/15/2023 10:13*	*S23081442.D*
Surrogate: Toluene-d8	2037-26-5	*99.6%*	*70-130*		*08/15/2023 10:13*	*S23081442.D*
Surrogate: Bromofluorobenzene	460-00-4	*103%*	*70-130*		*08/15/2023 10:13*	*S23081442.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-39

PSG-35

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/15/2023 10:42	S23081443.D
1,1-Dichloroethene	75-35-4	<1.50		1.50	08/15/2023 10:42	S23081443.D
Methylene Chloride	75-09-2	<1.41		1.41	08/15/2023 10:42	S23081443.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.56		0.56	08/15/2023 10:42	S23081443.D
trans-1,2-Dichloroethene	156-60-5	<1.13		1.13	08/15/2023 10:42	S23081443.D
Methyl-t-butyl ether	1634-04-4	<2.48		2.48	08/15/2023 10:42	S23081443.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/15/2023 10:42	S23081443.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/15/2023 10:42	S23081443.D
Chloroform	67-66-3	<1.41		1.41	08/15/2023 10:42	S23081443.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/15/2023 10:42	S23081443.D
1,1,1-Trichloroethane	71-55-6	**13.9**		0.47	08/15/2023 10:42	S23081443.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/15/2023 10:42	S23081443.D
Benzene	71-43-2	**16.7**		2.34	08/15/2023 10:42	S23081443.D
Trichloroethene	79-01-6	**3.11**		1.50	08/15/2023 10:42	S23081443.D
1,4-Dioxane	123-91-1	<1.21		1.21	08/15/2023 10:42	S23081443.D
1,1,2-Trichloroethane	79-00-5	<1.50		1.50	08/15/2023 10:42	S23081443.D
Toluene	108-88-3	**20.4**		3.10	08/15/2023 10:42	S23081443.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/15/2023 10:42	S23081443.D
Tetrachloroethene	127-18-4	**14.7**		1.21	08/15/2023 10:42	S23081443.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21		1.21	08/15/2023 10:42	S23081443.D
Chlorobenzene	108-90-7	<0.58		0.58	08/15/2023 10:42	S23081443.D
Ethylbenzene	100-41-4	**2.71**		1.46	08/15/2023 10:42	S23081443.D
p & m-Xylene	179601-23-1	**6.91**		1.41	08/15/2023 10:42	S23081443.D
o-Xylene	95-47-6	**4.20**		1.41	08/15/2023 10:42	S23081443.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/15/2023 10:42	S23081443.D
Isopropylbenzene	98-82-8	<1.49		1.49	08/15/2023 10:42	S23081443.D
1,3,5-Trimethylbenzene	108-67-8	**1.79**		1.49	08/15/2023 10:42	S23081443.D
1,2,4-Trimethylbenzene	95-63-6	**3.99**		1.49	08/15/2023 10:42	S23081443.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/15/2023 10:42	S23081443.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/15/2023 10:42	S23081443.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/15/2023 10:42	S23081443.D
1,2,4-Trichlorobenzene	120-82-1	<1.27		1.27	08/15/2023 10:42	S23081443.D
Naphthalene	91-20-3	**2.79**		1.55	08/15/2023 10:42	S23081443.D
1,2,3-Trichlorobenzene	87-61-6	<1.27		1.27	08/15/2023 10:42	S23081443.D
2-Methylnaphthalene	91-57-6	**2.52**		1.63	08/15/2023 10:42	S23081443.D
∉ **TPH C4-C9**		**5,970**		420	08/15/2023 10:42	S23081443.D
∉ **TPH C10-C15**		**3,950**		359	08/15/2023 10:42	S23081443.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*104%*	*70-130*		*08/15/2023 10:42*	*S23081443.D*
Surrogate: Toluene-d8	2037-26-5	*189%*	*70-130*	*S4*	*08/15/2023 10:42*	*S23081443.D*
Surrogate: Bromofluorobenzene	460-00-4	*93.9%*	*70-130*		*08/15/2023 10:42*	*S23081443.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-40

PSG-35-Dup

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/15/2023 11:11	S23081444.D
1,1-Dichloroethene	75-35-4	**2.28**		1.50	08/15/2023 11:11	S23081444.D
Methylene Chloride	75-09-2	<1.41		1.41	08/15/2023 11:11	S23081444.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.56		0.56	08/15/2023 11:11	S23081444.D
trans-1,2-Dichloroethene	156-60-5	<1.13		1.13	08/15/2023 11:11	S23081444.D
Methyl-t-butyl ether	1634-04-4	<2.48		2.48	08/15/2023 11:11	S23081444.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/15/2023 11:11	S23081444.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/15/2023 11:11	S23081444.D
Chloroform	67-66-3	<1.41		1.41	08/15/2023 11:11	S23081444.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/15/2023 11:11	S23081444.D
1,1,1-Trichloroethane	71-55-6	**9.37**		0.47	08/15/2023 11:11	S23081444.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/15/2023 11:11	S23081444.D
Benzene	71-43-2	**14.9**		2.34	08/15/2023 11:11	S23081444.D
Trichloroethene	79-01-6	**3.42**		1.50	08/15/2023 11:11	S23081444.D
1,4-Dioxane	123-91-1	<1.21		1.21	08/15/2023 11:11	S23081444.D
1,1,2-Trichloroethane	79-00-5	<1.50		1.50	08/15/2023 11:11	S23081444.D
Toluene	108-88-3	**18.4**		3.10	08/15/2023 11:11	S23081444.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/15/2023 11:11	S23081444.D
Tetrachloroethene	127-18-4	**7.68**		1.21	08/15/2023 11:11	S23081444.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21		1.21	08/15/2023 11:11	S23081444.D
Chlorobenzene	108-90-7	<0.58		0.58	08/15/2023 11:11	S23081444.D
Ethylbenzene	100-41-4	**2.09**		1.46	08/15/2023 11:11	S23081444.D
p & m-Xylene	179601-23-1	**5.93**		1.41	08/15/2023 11:11	S23081444.D
o-Xylene	95-47-6	**3.66**		1.41	08/15/2023 11:11	S23081444.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/15/2023 11:11	S23081444.D
Isopropylbenzene	98-82-8	<1.49		1.49	08/15/2023 11:11	S23081444.D
1,3,5-Trimethylbenzene	108-67-8	**2.04**		1.49	08/15/2023 11:11	S23081444.D
1,2,4-Trimethylbenzene	95-63-6	**4.03**		1.49	08/15/2023 11:11	S23081444.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/15/2023 11:11	S23081444.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/15/2023 11:11	S23081444.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/15/2023 11:11	S23081444.D
1,2,4-Trichlorobenzene	120-82-1	<1.27		1.27	08/15/2023 11:11	S23081444.D
Naphthalene	91-20-3	**2.75**		1.55	08/15/2023 11:11	S23081444.D
1,2,3-Trichlorobenzene	87-61-6	<1.27		1.27	08/15/2023 11:11	S23081444.D
2-Methylnaphthalene	91-57-6	**2.32**		1.63	08/15/2023 11:11	S23081444.D
∉ **TPH C4-C9**		**4,990**		420	08/15/2023 11:11	S23081444.D
∉ **TPH C10-C15**		**3,170**		359	08/15/2023 11:11	S23081444.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*77.9%*	*70-130*		*08/15/2023 11:11*	*S23081444.D*
Surrogate: Toluene-d8	2037-26-5	*168%*	*70-130*	*S4*	*08/15/2023 11:11*	*S23081444.D*
Surrogate: Bromofluorobenzene	460-00-4	*99.1%*	*70-130*		*08/15/2023 11:11*	*S23081444.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-41

PSG-36

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	**4.97**		0.61	08/15/2023 23:08	S23081519.D
1,1-Dichloroethene	75-35-4	**20.3**		1.50	08/15/2023 23:08	S23081519.D
Methylene Chloride	75-09-2	<1.42		1.42	08/15/2023 23:08	S23081519.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.56		0.56	08/15/2023 23:08	S23081519.D
trans-1,2-Dichloroethene	156-60-5	**3.42**		1.13	08/15/2023 23:08	S23081519.D
Methyl-t-butyl ether	1634-04-4	<2.48		2.48	08/15/2023 23:08	S23081519.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/15/2023 23:08	S23081519.D
cis-1,2-Dichloroethene	156-59-2	**27.0**		0.94	08/15/2023 23:08	S23081519.D
Chloroform	67-66-3	<1.42		1.42	08/15/2023 23:08	S23081519.D
1,2-Dichloroethane	107-06-2	<0.89		0.89	08/15/2023 23:08	S23081519.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/15/2023 23:08	S23081519.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/15/2023 23:08	S23081519.D
Benzene	71-43-2	**38.0**		2.34	08/15/2023 23:08	S23081519.D
Trichloroethene	79-01-6	**36.4**		1.50	08/15/2023 23:08	S23081519.D
1,4-Dioxane	123-91-1	<1.21		1.21	08/15/2023 23:08	S23081519.D
1,1,2-Trichloroethane	79-00-5	<1.50		1.50	08/15/2023 23:08	S23081519.D
Toluene	108-88-3	**41.4**		3.10	08/15/2023 23:08	S23081519.D
1,2-Dibromoethane (EDB)	106-93-4	<0.64		0.64	08/15/2023 23:08	S23081519.D
Tetrachloroethene	127-18-4	**13.8**		1.21	08/15/2023 23:08	S23081519.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21		1.21	08/15/2023 23:08	S23081519.D
Chlorobenzene	108-90-7	<0.58		0.58	08/15/2023 23:08	S23081519.D
Ethylbenzene	100-41-4	**8.21**		1.46	08/15/2023 23:08	S23081519.D
p & m-Xylene	179601-23-1	**23.0**		1.41	08/15/2023 23:08	S23081519.D
o-Xylene	95-47-6	**15.0**		1.41	08/15/2023 23:08	S23081519.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/15/2023 23:08	S23081519.D
Isopropylbenzene	98-82-8	**7.90**		1.49	08/15/2023 23:08	S23081519.D
1,3,5-Trimethylbenzene	108-67-8	**25.3**		1.49	08/15/2023 23:08	S23081519.D
1,2,4-Trimethylbenzene	95-63-6	**30.9**		1.49	08/15/2023 23:08	S23081519.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/15/2023 23:08	S23081519.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/15/2023 23:08	S23081519.D
1,2-Dichlorobenzene	95-50-1	**1.52**		0.66	08/15/2023 23:08	S23081519.D
1,2,4-Trichlorobenzene	120-82-1	<1.27		1.27	08/15/2023 23:08	S23081519.D
Naphthalene	91-20-3	**6.81**		1.55	08/15/2023 23:08	S23081519.D
1,2,3-Trichlorobenzene	87-61-6	**2.18**		1.27	08/15/2023 23:08	S23081519.D
2-Methylnaphthalene	91-57-6	**8.58**		1.63	08/15/2023 23:08	S23081519.D
∉ **TPH C4-C9**		**13,000**		420	08/15/2023 23:08	S23081519.D
∉ **TPH C10-C15**		**4,660**		359	08/15/2023 23:08	S23081519.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*107%*	*70-130*		*08/15/2023 23:08*	*S23081519.D*
Surrogate: Toluene-d8	2037-26-5	*446%*	*70-130*	*S4*	*08/15/2023 23:08*	*S23081519.D*
Surrogate: Bromofluorobenzene	460-00-4	*95.3%*	*70-130*		*08/15/2023 23:08*	*S23081519.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-42

PSG-37

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/15/2023 23:39	S23081520.D
1,1-Dichloroethene	75-35-4	**1.57**		1.50	08/15/2023 23:39	S23081520.D
Methylene Chloride	75-09-2	<1.41		1.41	08/15/2023 23:39	S23081520.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.56		0.56	08/15/2023 23:39	S23081520.D
trans-1,2-Dichloroethene	156-60-5	<1.12		1.12	08/15/2023 23:39	S23081520.D
Methyl-t-butyl ether	1634-04-4	<2.47		2.47	08/15/2023 23:39	S23081520.D
1,1-Dichloroethane	75-34-3	**0.86**		0.58	08/15/2023 23:39	S23081520.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/15/2023 23:39	S23081520.D
Chloroform	67-66-3	<1.41		1.41	08/15/2023 23:39	S23081520.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/15/2023 23:39	S23081520.D
1,1,1-Trichloroethane	71-55-6	**0.98**		0.47	08/15/2023 23:39	S23081520.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/15/2023 23:39	S23081520.D
Benzene	71-43-2	**6.51**		2.33	08/15/2023 23:39	S23081520.D
Trichloroethene	79-01-6	<1.50		1.50	08/15/2023 23:39	S23081520.D
1,4-Dioxane	123-91-1	<1.20		1.20	08/15/2023 23:39	S23081520.D
1,1,2-Trichloroethane	79-00-5	<1.50		1.50	08/15/2023 23:39	S23081520.D
Toluene	108-88-3	**3.87**		3.09	08/15/2023 23:39	S23081520.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/15/2023 23:39	S23081520.D
Tetrachloroethene	127-18-4	<1.20		1.20	08/15/2023 23:39	S23081520.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/15/2023 23:39	S23081520.D
Chlorobenzene	108-90-7	<0.58		0.58	08/15/2023 23:39	S23081520.D
Ethylbenzene	100-41-4	**2.06**		1.45	08/15/2023 23:39	S23081520.D
p & m-Xylene	179601-23-1	**8.60**		1.40	08/15/2023 23:39	S23081520.D
o-Xylene	95-47-6	**3.96**		1.40	08/15/2023 23:39	S23081520.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/15/2023 23:39	S23081520.D
Isopropylbenzene	98-82-8	<1.49		1.49	08/15/2023 23:39	S23081520.D
1,3,5-Trimethylbenzene	108-67-8	<1.49		1.49	08/15/2023 23:39	S23081520.D
1,2,4-Trimethylbenzene	95-63-6	<1.49		1.49	08/15/2023 23:39	S23081520.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/15/2023 23:39	S23081520.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/15/2023 23:39	S23081520.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/15/2023 23:39	S23081520.D
1,2,4-Trichlorobenzene	120-82-1	<1.27		1.27	08/15/2023 23:39	S23081520.D
Naphthalene	91-20-3	<1.54		1.54	08/15/2023 23:39	S23081520.D
1,2,3-Trichlorobenzene	87-61-6	<1.27		1.27	08/15/2023 23:39	S23081520.D
2-Methylnaphthalene	91-57-6	<1.62		1.62	08/15/2023 23:39	S23081520.D
∉ **TPH C4-C9**		**427**		419	08/15/2023 23:39	S23081520.D
∉ **TPH C10-C15**		**613**		358	08/15/2023 23:39	S23081520.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*87.5%*	*70-130*		*08/15/2023 23:39*	*S23081520.D*
Surrogate: Toluene-d8	2037-26-5	*109%*	*70-130*		*08/15/2023 23:39*	*S23081520.D*
Surrogate: Bromofluorobenzene	460-00-4	*101%*	*70-130*		*08/15/2023 23:39*	*S23081520.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-43

PSG-38

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/16/2023 00:08	S23081521.D
1,1-Dichloroethene	75-35-4	<1.49		1.49	08/16/2023 00:08	S23081521.D
Methylene Chloride	75-09-2	<1.41		1.41	08/16/2023 00:08	S23081521.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/16/2023 00:08	S23081521.D
trans-1,2-Dichloroethene	156-60-5	<1.12		1.12	08/16/2023 00:08	S23081521.D
Methyl-t-butyl ether	1634-04-4	<2.46		2.46	08/16/2023 00:08	S23081521.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/16/2023 00:08	S23081521.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/16/2023 00:08	S23081521.D
Chloroform	67-66-3	<1.41		1.41	08/16/2023 00:08	S23081521.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/16/2023 00:08	S23081521.D
1,1,1-Trichloroethane	71-55-6	**0.81**		0.47	08/16/2023 00:08	S23081521.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/16/2023 00:08	S23081521.D
Benzene	71-43-2	**10.6**		2.32	08/16/2023 00:08	S23081521.D
Trichloroethene	79-01-6	<1.49		1.49	08/16/2023 00:08	S23081521.D
1,4-Dioxane	123-91-1	<1.20		1.20	08/16/2023 00:08	S23081521.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/16/2023 00:08	S23081521.D
Toluene	108-88-3	**6.40**		3.08	08/16/2023 00:08	S23081521.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/16/2023 00:08	S23081521.D
Tetrachloroethene	127-18-4	<1.20		1.20	08/16/2023 00:08	S23081521.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/16/2023 00:08	S23081521.D
Chlorobenzene	108-90-7	<0.58		0.58	08/16/2023 00:08	S23081521.D
Ethylbenzene	100-41-4	<1.45		1.45	08/16/2023 00:08	S23081521.D
p & m-Xylene	179601-23-1	**4.65**		1.40	08/16/2023 00:08	S23081521.D
o-Xylene	95-47-6	**2.92**		1.40	08/16/2023 00:08	S23081521.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/16/2023 00:08	S23081521.D
Isopropylbenzene	98-82-8	**1.64**		1.48	08/16/2023 00:08	S23081521.D
1,3,5-Trimethylbenzene	108-67-8	**4.80**		1.48	08/16/2023 00:08	S23081521.D
1,2,4-Trimethylbenzene	95-63-6	**6.09**		1.48	08/16/2023 00:08	S23081521.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/16/2023 00:08	S23081521.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/16/2023 00:08	S23081521.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/16/2023 00:08	S23081521.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/16/2023 00:08	S23081521.D
Naphthalene	91-20-3	**2.04**		1.54	08/16/2023 00:08	S23081521.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/16/2023 00:08	S23081521.D
2-Methylnaphthalene	91-57-6	**2.04**		1.62	08/16/2023 00:08	S23081521.D
∉ **TPH C4-C9**		**1,900**		417	08/16/2023 00:08	S23081521.D
∉ **TPH C10-C15**		**3,550**		357	08/16/2023 00:08	S23081521.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*95.2%*	*70-130*		*08/16/2023 00:08*	*S23081521.D*
Surrogate: Toluene-d8	2037-26-5	*133%*	*70-130*	*S4*	*08/16/2023 00:08*	*S23081521.D*
Surrogate: Bromofluorobenzene	460-00-4	*105%*	*70-130*		*08/16/2023 00:08*	*S23081521.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-44

PSG-39

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.57		0.57	08/16/2023 00:36	S23081522.D
1,1-Dichloroethene	75-35-4	<1.41		1.41	08/16/2023 00:36	S23081522.D
Methylene Chloride	75-09-2	<1.33		1.33	08/16/2023 00:36	S23081522.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	08/16/2023 00:36	S23081522.D
trans-1,2-Dichloroethene	156-60-5	<1.06		1.06	08/16/2023 00:36	S23081522.D
Methyl-t-butyl ether	1634-04-4	<2.32		2.32	08/16/2023 00:36	S23081522.D
1,1-Dichloroethane	75-34-3	<0.55		0.55	08/16/2023 00:36	S23081522.D
cis-1,2-Dichloroethene	156-59-2	<0.88		0.88	08/16/2023 00:36	S23081522.D
Chloroform	67-66-3	<1.33		1.33	08/16/2023 00:36	S23081522.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	08/16/2023 00:36	S23081522.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	08/16/2023 00:36	S23081522.D
Carbon Tetrachloride	56-23-5	<1.08		1.08	08/16/2023 00:36	S23081522.D
Benzene	71-43-2	**7.85**		2.19	08/16/2023 00:36	S23081522.D
Trichloroethene	79-01-6	<1.41		1.41	08/16/2023 00:36	S23081522.D
1,4-Dioxane	123-91-1	<1.13		1.13	08/16/2023 00:36	S23081522.D
1,1,2-Trichloroethane	79-00-5	<1.41		1.41	08/16/2023 00:36	S23081522.D
Toluene	108-88-3	**7.81**		2.90	08/16/2023 00:36	S23081522.D
1,2-Dibromoethane (EDB)	106-93-4	<0.60		0.60	08/16/2023 00:36	S23081522.D
Tetrachloroethene	127-18-4	<1.13		1.13	08/16/2023 00:36	S23081522.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.13		1.13	08/16/2023 00:36	S23081522.D
Chlorobenzene	108-90-7	<0.55		0.55	08/16/2023 00:36	S23081522.D
Ethylbenzene	100-41-4	**1.73**		1.37	08/16/2023 00:36	S23081522.D
p & m-Xylene	179601-23-1	**6.54**		1.32	08/16/2023 00:36	S23081522.D
o-Xylene	95-47-6	**2.95**		1.32	08/16/2023 00:36	S23081522.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	08/16/2023 00:36	S23081522.D
Isopropylbenzene	98-82-8	<1.40		1.40	08/16/2023 00:36	S23081522.D
1,3,5-Trimethylbenzene	108-67-8	<1.40		1.40	08/16/2023 00:36	S23081522.D
1,2,4-Trimethylbenzene	95-63-6	**1.80**		1.40	08/16/2023 00:36	S23081522.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	08/16/2023 00:36	S23081522.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	08/16/2023 00:36	S23081522.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	08/16/2023 00:36	S23081522.D
1,2,4-Trichlorobenzene	120-82-1	<1.19		1.19	08/16/2023 00:36	S23081522.D
Naphthalene	91-20-3	<1.45		1.45	08/16/2023 00:36	S23081522.D
1,2,3-Trichlorobenzene	87-61-6	<1.19		1.19	08/16/2023 00:36	S23081522.D
2-Methylnaphthalene	91-57-6	<1.53		1.53	08/16/2023 00:36	S23081522.D
∉ TPH C4-C9		<393		393	08/16/2023 00:36	S23081522.D
∉ TPH C10-C15		<336		336	08/16/2023 00:36	S23081522.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*88.8%*	*70-130*		*08/16/2023 00:36*	*S23081522.D*
Surrogate: Toluene-d8	2037-26-5	*102%*	*70-130*		*08/16/2023 00:36*	*S23081522.D*
Surrogate: Bromofluorobenzene	460-00-4	*101%*	*70-130*		*08/16/2023 00:36*	*S23081522.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-45

PSG-40

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/16/2023 01:05	S23081523.D
1,1-Dichloroethene	75-35-4	<1.50		1.50	08/16/2023 01:05	S23081523.D
Methylene Chloride	75-09-2	<1.42		1.42	08/16/2023 01:05	S23081523.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.56		0.56	08/16/2023 01:05	S23081523.D
trans-1,2-Dichloroethene	156-60-5	<1.13		1.13	08/16/2023 01:05	S23081523.D
Methyl-t-butyl ether	1634-04-4	<2.48		2.48	08/16/2023 01:05	S23081523.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/16/2023 01:05	S23081523.D
cis-1,2-Dichloroethene	156-59-2	<0.94		0.94	08/16/2023 01:05	S23081523.D
Chloroform	67-66-3	<1.42		1.42	08/16/2023 01:05	S23081523.D
1,2-Dichloroethane	107-06-2	<0.89		0.89	08/16/2023 01:05	S23081523.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/16/2023 01:05	S23081523.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/16/2023 01:05	S23081523.D
Benzene	71-43-2	<2.34		2.34	08/16/2023 01:05	S23081523.D
Trichloroethene	79-01-6	**1.62**		1.50	08/16/2023 01:05	S23081523.D
1,4-Dioxane	123-91-1	<1.21		1.21	08/16/2023 01:05	S23081523.D
1,1,2-Trichloroethane	79-00-5	<1.50		1.50	08/16/2023 01:05	S23081523.D
Toluene	108-88-3	<3.10		3.10	08/16/2023 01:05	S23081523.D
1,2-Dibromoethane (EDB)	106-93-4	<0.64		0.64	08/16/2023 01:05	S23081523.D
Tetrachloroethene	127-18-4	<1.21		1.21	08/16/2023 01:05	S23081523.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21		1.21	08/16/2023 01:05	S23081523.D
Chlorobenzene	108-90-7	<0.58		0.58	08/16/2023 01:05	S23081523.D
Ethylbenzene	100-41-4	<1.46		1.46	08/16/2023 01:05	S23081523.D
p & m-Xylene	179601-23-1	**3.14**		1.41	08/16/2023 01:05	S23081523.D
o-Xylene	95-47-6	<1.41		1.41	08/16/2023 01:05	S23081523.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/16/2023 01:05	S23081523.D
Isopropylbenzene	98-82-8	<1.49		1.49	08/16/2023 01:05	S23081523.D
1,3,5-Trimethylbenzene	108-67-8	<1.49		1.49	08/16/2023 01:05	S23081523.D
1,2,4-Trimethylbenzene	95-63-6	<1.49		1.49	08/16/2023 01:05	S23081523.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/16/2023 01:05	S23081523.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/16/2023 01:05	S23081523.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/16/2023 01:05	S23081523.D
1,2,4-Trichlorobenzene	120-82-1	<1.27		1.27	08/16/2023 01:05	S23081523.D
Naphthalene	91-20-3	<1.55		1.55	08/16/2023 01:05	S23081523.D
1,2,3-Trichlorobenzene	87-61-6	<1.27		1.27	08/16/2023 01:05	S23081523.D
2-Methylnaphthalene	91-57-6	<1.63		1.63	08/16/2023 01:05	S23081523.D
∉ TPH C4-C9		<420		420	08/16/2023 01:05	S23081523.D
∉ TPH C10-C15		<359		359	08/16/2023 01:05	S23081523.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*87.8%*	*70-130*		*08/16/2023 01:05*	*S23081523.D*
Surrogate: Toluene-d8	2037-26-5	*96.2%*	*70-130*		*08/16/2023 01:05*	*S23081523.D*
Surrogate: Bromofluorobenzene	460-00-4	*103%*	*70-130*		*08/16/2023 01:05*	*S23081523.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-46

PSG-41

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/16/2023 01:34	S23081524.D
1,1-Dichloroethene	75-35-4	**3.88**		1.50	08/16/2023 01:34	S23081524.D
Methylene Chloride	75-09-2	<1.42		1.42	08/16/2023 01:34	S23081524.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.56		0.56	08/16/2023 01:34	S23081524.D
trans-1,2-Dichloroethene	156-60-5	<1.13		1.13	08/16/2023 01:34	S23081524.D
Methyl-t-butyl ether	1634-04-4	<2.48		2.48	08/16/2023 01:34	S23081524.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/16/2023 01:34	S23081524.D
cis-1,2-Dichloroethene	156-59-2	**2.42**		0.94	08/16/2023 01:34	S23081524.D
Chloroform	67-66-3	<1.42		1.42	08/16/2023 01:34	S23081524.D
1,2-Dichloroethane	107-06-2	<0.89		0.89	08/16/2023 01:34	S23081524.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/16/2023 01:34	S23081524.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/16/2023 01:34	S23081524.D
Benzene	71-43-2	<2.34		2.34	08/16/2023 01:34	S23081524.D
Trichloroethene	79-01-6	**915**		1.50	08/16/2023 01:34	S23081524.D
1,4-Dioxane	123-91-1	<1.21		1.21	08/16/2023 01:34	S23081524.D
1,1,2-Trichloroethane	79-00-5	<1.50		1.50	08/16/2023 01:34	S23081524.D
Toluene	108-88-3	<3.10		3.10	08/16/2023 01:34	S23081524.D
1,2-Dibromoethane (EDB)	106-93-4	<0.64		0.64	08/16/2023 01:34	S23081524.D
Tetrachloroethene	127-18-4	<1.21		1.21	08/16/2023 01:34	S23081524.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21		1.21	08/16/2023 01:34	S23081524.D
Chlorobenzene	108-90-7	<0.58		0.58	08/16/2023 01:34	S23081524.D
Ethylbenzene	100-41-4	<1.46		1.46	08/16/2023 01:34	S23081524.D
p & m-Xylene	179601-23-1	<1.41		1.41	08/16/2023 01:34	S23081524.D
o-Xylene	95-47-6	<1.41		1.41	08/16/2023 01:34	S23081524.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/16/2023 01:34	S23081524.D
Isopropylbenzene	98-82-8	<1.49		1.49	08/16/2023 01:34	S23081524.D
1,3,5-Trimethylbenzene	108-67-8	<1.49		1.49	08/16/2023 01:34	S23081524.D
1,2,4-Trimethylbenzene	95-63-6	<1.49		1.49	08/16/2023 01:34	S23081524.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/16/2023 01:34	S23081524.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/16/2023 01:34	S23081524.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/16/2023 01:34	S23081524.D
1,2,4-Trichlorobenzene	120-82-1	<1.27		1.27	08/16/2023 01:34	S23081524.D
Naphthalene	91-20-3	<1.55		1.55	08/16/2023 01:34	S23081524.D
1,2,3-Trichlorobenzene	87-61-6	<1.27		1.27	08/16/2023 01:34	S23081524.D
2-Methylnaphthalene	91-57-6	<1.63		1.63	08/16/2023 01:34	S23081524.D
∉ TPH C4-C9		<420		420	08/16/2023 01:34	S23081524.D
∉ TPH C10-C15		<359		359	08/16/2023 01:34	S23081524.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*89.8%*	*70-130*		*08/16/2023 01:34*	*S23081524.D*
Surrogate: Toluene-d8	2037-26-5	*95.7%*	*70-130*		*08/16/2023 01:34*	*S23081524.D*
Surrogate: Bromofluorobenzene	460-00-4	*101%*	*70-130*		*08/16/2023 01:34*	*S23081524.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-47

PSG-42

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/16/2023 02:04	S23081525.D
1,1-Dichloroethene	75-35-4	<1.50		1.50	08/16/2023 02:04	S23081525.D
Methylene Chloride	75-09-2	<1.42		1.42	08/16/2023 02:04	S23081525.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.56		0.56	08/16/2023 02:04	S23081525.D
trans-1,2-Dichloroethene	156-60-5	<1.13		1.13	08/16/2023 02:04	S23081525.D
Methyl-t-butyl ether	1634-04-4	<2.48		2.48	08/16/2023 02:04	S23081525.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/16/2023 02:04	S23081525.D
cis-1,2-Dichloroethene	156-59-2	<0.94		0.94	08/16/2023 02:04	S23081525.D
Chloroform	67-66-3	<1.42		1.42	08/16/2023 02:04	S23081525.D
1,2-Dichloroethane	107-06-2	<0.89		0.89	08/16/2023 02:04	S23081525.D
1,1,1-Trichloroethane	71-55-6	**1.57**		0.47	08/16/2023 02:04	S23081525.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/16/2023 02:04	S23081525.D
Benzene	71-43-2	<2.34		2.34	08/16/2023 02:04	S23081525.D
Trichloroethene	79-01-6	**14.6**		1.50	08/16/2023 02:04	S23081525.D
1,4-Dioxane	123-91-1	<1.21		1.21	08/16/2023 02:04	S23081525.D
1,1,2-Trichloroethane	79-00-5	<1.50		1.50	08/16/2023 02:04	S23081525.D
Toluene	108-88-3	<3.10		3.10	08/16/2023 02:04	S23081525.D
1,2-Dibromoethane (EDB)	106-93-4	<0.64		0.64	08/16/2023 02:04	S23081525.D
Tetrachloroethene	127-18-4	**32.0**		1.21	08/16/2023 02:04	S23081525.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21		1.21	08/16/2023 02:04	S23081525.D
Chlorobenzene	108-90-7	<0.58		0.58	08/16/2023 02:04	S23081525.D
Ethylbenzene	100-41-4	**3.31**		1.46	08/16/2023 02:04	S23081525.D
p & m-Xylene	179601-23-1	**13.8**		1.41	08/16/2023 02:04	S23081525.D
o-Xylene	95-47-6	**4.80**		1.41	08/16/2023 02:04	S23081525.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/16/2023 02:04	S23081525.D
Isopropylbenzene	98-82-8	<1.49		1.49	08/16/2023 02:04	S23081525.D
1,3,5-Trimethylbenzene	108-67-8	<1.49		1.49	08/16/2023 02:04	S23081525.D
1,2,4-Trimethylbenzene	95-63-6	<1.49		1.49	08/16/2023 02:04	S23081525.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/16/2023 02:04	S23081525.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/16/2023 02:04	S23081525.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/16/2023 02:04	S23081525.D
1,2,4-Trichlorobenzene	120-82-1	<1.27		1.27	08/16/2023 02:04	S23081525.D
Naphthalene	91-20-3	<1.55		1.55	08/16/2023 02:04	S23081525.D
1,2,3-Trichlorobenzene	87-61-6	<1.27		1.27	08/16/2023 02:04	S23081525.D
2-Methylnaphthalene	91-57-6	<1.63		1.63	08/16/2023 02:04	S23081525.D
∉ TPH C4-C9		<420		420	08/16/2023 02:04	S23081525.D
∉ TPH C10-C15		<359		359	08/16/2023 02:04	S23081525.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*91.5%*	*70-130*		*08/16/2023 02:04*	*S23081525.D*
Surrogate: Toluene-d8	2037-26-5	*93.8%*	*70-130*		*08/16/2023 02:04*	*S23081525.D*
Surrogate: Bromofluorobenzene	460-00-4	*104%*	*70-130*		*08/16/2023 02:04*	*S23081525.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-48

PSG-43

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/16/2023 02:33	S23081526.D
1,1-Dichloroethene	75-35-4	<1.50		1.50	08/16/2023 02:33	S23081526.D
Methylene Chloride	75-09-2	<1.42		1.42	08/16/2023 02:33	S23081526.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.56		0.56	08/16/2023 02:33	S23081526.D
trans-1,2-Dichloroethene	156-60-5	<1.13		1.13	08/16/2023 02:33	S23081526.D
Methyl-t-butyl ether	1634-04-4	<2.48		2.48	08/16/2023 02:33	S23081526.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/16/2023 02:33	S23081526.D
cis-1,2-Dichloroethene	156-59-2	<0.94		0.94	08/16/2023 02:33	S23081526.D
Chloroform	67-66-3	<1.42		1.42	08/16/2023 02:33	S23081526.D
1,2-Dichloroethane	107-06-2	<0.89		0.89	08/16/2023 02:33	S23081526.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/16/2023 02:33	S23081526.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/16/2023 02:33	S23081526.D
Benzene	71-43-2	<2.34		2.34	08/16/2023 02:33	S23081526.D
Trichloroethene	79-01-6	<1.50		1.50	08/16/2023 02:33	S23081526.D
1,4-Dioxane	123-91-1	<1.21		1.21	08/16/2023 02:33	S23081526.D
1,1,2-Trichloroethane	79-00-5	<1.50		1.50	08/16/2023 02:33	S23081526.D
Toluene	108-88-3	<3.10		3.10	08/16/2023 02:33	S23081526.D
1,2-Dibromoethane (EDB)	106-93-4	<0.64		0.64	08/16/2023 02:33	S23081526.D
Tetrachloroethene	127-18-4	<1.21		1.21	08/16/2023 02:33	S23081526.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21		1.21	08/16/2023 02:33	S23081526.D
Chlorobenzene	108-90-7	<0.58		0.58	08/16/2023 02:33	S23081526.D
Ethylbenzene	100-41-4	<1.46		1.46	08/16/2023 02:33	S23081526.D
p & m-Xylene	179601-23-1	**3.81**		1.41	08/16/2023 02:33	S23081526.D
o-Xylene	95-47-6	**2.68**		1.41	08/16/2023 02:33	S23081526.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/16/2023 02:33	S23081526.D
Isopropylbenzene	98-82-8	<1.49		1.49	08/16/2023 02:33	S23081526.D
1,3,5-Trimethylbenzene	108-67-8	<1.49		1.49	08/16/2023 02:33	S23081526.D
1,2,4-Trimethylbenzene	95-63-6	<1.49		1.49	08/16/2023 02:33	S23081526.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/16/2023 02:33	S23081526.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/16/2023 02:33	S23081526.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/16/2023 02:33	S23081526.D
1,2,4-Trichlorobenzene	120-82-1	<1.27		1.27	08/16/2023 02:33	S23081526.D
Naphthalene	91-20-3	<1.55		1.55	08/16/2023 02:33	S23081526.D
1,2,3-Trichlorobenzene	87-61-6	<1.27		1.27	08/16/2023 02:33	S23081526.D
2-Methylnaphthalene	91-57-6	<1.63		1.63	08/16/2023 02:33	S23081526.D
∉ TPH C4-C9		<420		420	08/16/2023 02:33	S23081526.D
∉ TPH C10-C15		<359		359	08/16/2023 02:33	S23081526.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*86.3%*	*70-130*		*08/16/2023 02:33*	*S23081526.D*
Surrogate: Toluene-d8	2037-26-5	*96.9%*	*70-130*		*08/16/2023 02:33*	*S23081526.D*
Surrogate: Bromofluorobenzene	460-00-4	*98.5%*	*70-130*		*08/16/2023 02:33*	*S23081526.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-49

PSG-43-Dup

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/16/2023 03:02	S23081527.D
1,1-Dichloroethene	75-35-4	<1.50		1.50	08/16/2023 03:02	S23081527.D
Methylene Chloride	75-09-2	<1.42		1.42	08/16/2023 03:02	S23081527.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.56		0.56	08/16/2023 03:02	S23081527.D
trans-1,2-Dichloroethene	156-60-5	<1.13		1.13	08/16/2023 03:02	S23081527.D
Methyl-t-butyl ether	1634-04-4	<2.48		2.48	08/16/2023 03:02	S23081527.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/16/2023 03:02	S23081527.D
cis-1,2-Dichloroethene	156-59-2	<0.94		0.94	08/16/2023 03:02	S23081527.D
Chloroform	67-66-3	<1.42		1.42	08/16/2023 03:02	S23081527.D
1,2-Dichloroethane	107-06-2	<0.89		0.89	08/16/2023 03:02	S23081527.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/16/2023 03:02	S23081527.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/16/2023 03:02	S23081527.D
Benzene	71-43-2	<2.34		2.34	08/16/2023 03:02	S23081527.D
Trichloroethene	79-01-6	<1.50		1.50	08/16/2023 03:02	S23081527.D
1,4-Dioxane	123-91-1	<1.21		1.21	08/16/2023 03:02	S23081527.D
1,1,2-Trichloroethane	79-00-5	<1.50		1.50	08/16/2023 03:02	S23081527.D
Toluene	108-88-3	<3.10		3.10	08/16/2023 03:02	S23081527.D
1,2-Dibromoethane (EDB)	106-93-4	<0.64		0.64	08/16/2023 03:02	S23081527.D
Tetrachloroethene	127-18-4	<1.21		1.21	08/16/2023 03:02	S23081527.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21		1.21	08/16/2023 03:02	S23081527.D
Chlorobenzene	108-90-7	<0.58		0.58	08/16/2023 03:02	S23081527.D
Ethylbenzene	100-41-4	<1.46		1.46	08/16/2023 03:02	S23081527.D
p & m-Xylene	179601-23-1	**3.78**		1.41	08/16/2023 03:02	S23081527.D
o-Xylene	95-47-6	**2.60**		1.41	08/16/2023 03:02	S23081527.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/16/2023 03:02	S23081527.D
Isopropylbenzene	98-82-8	<1.49		1.49	08/16/2023 03:02	S23081527.D
1,3,5-Trimethylbenzene	108-67-8	<1.49		1.49	08/16/2023 03:02	S23081527.D
1,2,4-Trimethylbenzene	95-63-6	<1.49		1.49	08/16/2023 03:02	S23081527.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/16/2023 03:02	S23081527.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/16/2023 03:02	S23081527.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/16/2023 03:02	S23081527.D
1,2,4-Trichlorobenzene	120-82-1	<1.27		1.27	08/16/2023 03:02	S23081527.D
Naphthalene	91-20-3	<1.55		1.55	08/16/2023 03:02	S23081527.D
1,2,3-Trichlorobenzene	87-61-6	<1.27		1.27	08/16/2023 03:02	S23081527.D
2-Methylnaphthalene	91-57-6	<1.63		1.63	08/16/2023 03:02	S23081527.D
∉ TPH C4-C9		<420		420	08/16/2023 03:02	S23081527.D
∉ TPH C10-C15		<359		359	08/16/2023 03:02	S23081527.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*82.6%*	*70-130*		*08/16/2023 03:02*	*S23081527.D*
Surrogate: Toluene-d8	2037-26-5	*95.3%*	*70-130*		*08/16/2023 03:02*	*S23081527.D*
Surrogate: Bromofluorobenzene	460-00-4	*100%*	*70-130*		*08/16/2023 03:02*	*S23081527.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-50

PSG-44

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.60		0.60	08/16/2023 03:31	S23081528.D
1,1-Dichloroethene	75-35-4	<1.48		1.48	08/16/2023 03:31	S23081528.D
Methylene Chloride	75-09-2	<1.40		1.40	08/16/2023 03:31	S23081528.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/16/2023 03:31	S23081528.D
trans-1,2-Dichloroethene	156-60-5	<1.11		1.11	08/16/2023 03:31	S23081528.D
Methyl-t-butyl ether	1634-04-4	<2.45		2.45	08/16/2023 03:31	S23081528.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/16/2023 03:31	S23081528.D
cis-1,2-Dichloroethene	156-59-2	<0.92		0.92	08/16/2023 03:31	S23081528.D
Chloroform	67-66-3	<1.40		1.40	08/16/2023 03:31	S23081528.D
1,2-Dichloroethane	107-06-2	<0.87		0.87	08/16/2023 03:31	S23081528.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/16/2023 03:31	S23081528.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/16/2023 03:31	S23081528.D
Benzene	71-43-2	**3.57**		2.31	08/16/2023 03:31	S23081528.D
Trichloroethene	79-01-6	<1.48		1.48	08/16/2023 03:31	S23081528.D
1,4-Dioxane	123-91-1	<1.19		1.19	08/16/2023 03:31	S23081528.D
1,1,2-Trichloroethane	79-00-5	<1.48		1.48	08/16/2023 03:31	S23081528.D
Toluene	108-88-3	<3.06		3.06	08/16/2023 03:31	S23081528.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/16/2023 03:31	S23081528.D
Tetrachloroethene	127-18-4	<1.19		1.19	08/16/2023 03:31	S23081528.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.19		1.19	08/16/2023 03:31	S23081528.D
Chlorobenzene	108-90-7	<0.58		0.58	08/16/2023 03:31	S23081528.D
Ethylbenzene	100-41-4	<1.44		1.44	08/16/2023 03:31	S23081528.D
p & m-Xylene	179601-23-1	<1.39		1.39	08/16/2023 03:31	S23081528.D
o-Xylene	95-47-6	<1.39		1.39	08/16/2023 03:31	S23081528.D
1,2,3-Trichloropropane	96-18-4	<0.65		0.65	08/16/2023 03:31	S23081528.D
Isopropylbenzene	98-82-8	<1.48		1.48	08/16/2023 03:31	S23081528.D
1,3,5-Trimethylbenzene	108-67-8	<1.48		1.48	08/16/2023 03:31	S23081528.D
1,2,4-Trimethylbenzene	95-63-6	<1.48		1.48	08/16/2023 03:31	S23081528.D
1,3-Dichlorobenzene	541-73-1	<0.65		0.65	08/16/2023 03:31	S23081528.D
1,4-Dichlorobenzene	106-46-7	<0.65		0.65	08/16/2023 03:31	S23081528.D
1,2-Dichlorobenzene	95-50-1	<0.65		0.65	08/16/2023 03:31	S23081528.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/16/2023 03:31	S23081528.D
Naphthalene	91-20-3	<1.53		1.53	08/16/2023 03:31	S23081528.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/16/2023 03:31	S23081528.D
2-Methylnaphthalene	91-57-6	<1.61		1.61	08/16/2023 03:31	S23081528.D
∉ TPH C4-C9		<415		415	08/16/2023 03:31	S23081528.D
∉ **TPH C10-C15**		**855**		355	08/16/2023 03:31	S23081528.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*87.8%*	*70-130*		*08/16/2023 03:31*	*S23081528.D*
Surrogate: Toluene-d8	2037-26-5	*93.9%*	*70-130*		*08/16/2023 03:31*	*S23081528.D*
Surrogate: Bromofluorobenzene	460-00-4	*103%*	*70-130*		*08/16/2023 03:31*	*S23081528.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-51

PSG-45

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/16/2023 04:00	S23081529.D
1,1-Dichloroethene	75-35-4	<1.49		1.49	08/16/2023 04:00	S23081529.D
Methylene Chloride	75-09-2	<1.40		1.40	08/16/2023 04:00	S23081529.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/16/2023 04:00	S23081529.D
trans-1,2-Dichloroethene	156-60-5	<1.12		1.12	08/16/2023 04:00	S23081529.D
Methyl-t-butyl ether	1634-04-4	<2.45		2.45	08/16/2023 04:00	S23081529.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/16/2023 04:00	S23081529.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/16/2023 04:00	S23081529.D
Chloroform	67-66-3	<1.40		1.40	08/16/2023 04:00	S23081529.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/16/2023 04:00	S23081529.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/16/2023 04:00	S23081529.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/16/2023 04:00	S23081529.D
Benzene	71-43-2	**41.8**		2.31	08/16/2023 04:00	S23081529.D
Trichloroethene	79-01-6	<1.49		1.49	08/16/2023 04:00	S23081529.D
1,4-Dioxane	123-91-1	<1.20		1.20	08/16/2023 04:00	S23081529.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/16/2023 04:00	S23081529.D
Toluene	108-88-3	**53.8**		3.07	08/16/2023 04:00	S23081529.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/16/2023 04:00	S23081529.D
Tetrachloroethene	127-18-4	<1.20		1.20	08/16/2023 04:00	S23081529.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/16/2023 04:00	S23081529.D
Chlorobenzene	108-90-7	<0.58		0.58	08/16/2023 04:00	S23081529.D
Ethylbenzene	100-41-4	**12.4**		1.44	08/16/2023 04:00	S23081529.D
p & m-Xylene	179601-23-1	**30.4**		1.39	08/16/2023 04:00	S23081529.D
o-Xylene	95-47-6	**28.7**		1.39	08/16/2023 04:00	S23081529.D
1,2,3-Trichloropropane	96-18-4	<0.65		0.65	08/16/2023 04:00	S23081529.D
Isopropylbenzene	98-82-8	**11.5**		1.48	08/16/2023 04:00	S23081529.D
1,3,5-Trimethylbenzene	108-67-8	**22.4**		1.48	08/16/2023 04:00	S23081529.D
1,2,4-Trimethylbenzene	95-63-6	**32.8**		1.48	08/16/2023 04:00	S23081529.D
1,3-Dichlorobenzene	541-73-1	<0.65		0.65	08/16/2023 04:00	S23081529.D
1,4-Dichlorobenzene	106-46-7	<0.65		0.65	08/16/2023 04:00	S23081529.D
1,2-Dichlorobenzene	95-50-1	<0.65		0.65	08/16/2023 04:00	S23081529.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/16/2023 04:00	S23081529.D
Naphthalene	91-20-3	**7.99**		1.53	08/16/2023 04:00	S23081529.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/16/2023 04:00	S23081529.D
2-Methylnaphthalene	91-57-6	**8.95**		1.61	08/16/2023 04:00	S23081529.D
∉ **TPH C4-C9**		**1,400**		416	08/16/2023 04:00	S23081529.D
∉ **TPH C10-C15**		**3,750**		356	08/16/2023 04:00	S23081529.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*96.1%*	*70-130*		*08/16/2023 04:00*	*S23081529.D*
Surrogate: Toluene-d8	2037-26-5	*110%*	*70-130*		*08/16/2023 04:00*	*S23081529.D*
Surrogate: Bromofluorobenzene	460-00-4	*105%*	*70-130*		*08/16/2023 04:00*	*S23081529.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-52

PSG-46

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/16/2023 04:29	S23081530.D
1,1-Dichloroethene	75-35-4	<1.49		1.49	08/16/2023 04:29	S23081530.D
Methylene Chloride	75-09-2	<1.40		1.40	08/16/2023 04:29	S23081530.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/16/2023 04:29	S23081530.D
trans-1,2-Dichloroethene	156-60-5	<1.12		1.12	08/16/2023 04:29	S23081530.D
Methyl-t-butyl ether	1634-04-4	<2.45		2.45	08/16/2023 04:29	S23081530.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/16/2023 04:29	S23081530.D
cis-1,2-Dichloroethene	156-59-2	**1.40**		0.93	08/16/2023 04:29	S23081530.D
Chloroform	67-66-3	<1.40		1.40	08/16/2023 04:29	S23081530.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/16/2023 04:29	S23081530.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/16/2023 04:29	S23081530.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/16/2023 04:29	S23081530.D
Benzene	71-43-2	**42.2**		2.32	08/16/2023 04:29	S23081530.D
Trichloroethene	79-01-6	<1.49		1.49	08/16/2023 04:29	S23081530.D
1,4-Dioxane	123-91-1	<1.20		1.20	08/16/2023 04:29	S23081530.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/16/2023 04:29	S23081530.D
Toluene	108-88-3	**30.3**		3.07	08/16/2023 04:29	S23081530.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/16/2023 04:29	S23081530.D
Tetrachloroethene	127-18-4	<1.20		1.20	08/16/2023 04:29	S23081530.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/16/2023 04:29	S23081530.D
Chlorobenzene	108-90-7	<0.58		0.58	08/16/2023 04:29	S23081530.D
Ethylbenzene	100-41-4	**4.62**		1.44	08/16/2023 04:29	S23081530.D
p & m-Xylene	179601-23-1	**8.81**		1.39	08/16/2023 04:29	S23081530.D
o-Xylene	95-47-6	**8.63**		1.39	08/16/2023 04:29	S23081530.D
1,2,3-Trichloropropane	96-18-4	<0.65		0.65	08/16/2023 04:29	S23081530.D
Isopropylbenzene	98-82-8	**6.78**		1.48	08/16/2023 04:29	S23081530.D
1,3,5-Trimethylbenzene	108-67-8	**11.6**		1.48	08/16/2023 04:29	S23081530.D
1,2,4-Trimethylbenzene	95-63-6	**10.8**		1.48	08/16/2023 04:29	S23081530.D
1,3-Dichlorobenzene	541-73-1	<0.65		0.65	08/16/2023 04:29	S23081530.D
1,4-Dichlorobenzene	106-46-7	<0.65		0.65	08/16/2023 04:29	S23081530.D
1,2-Dichlorobenzene	95-50-1	<0.65		0.65	08/16/2023 04:29	S23081530.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/16/2023 04:29	S23081530.D
Naphthalene	91-20-3	**3.53**		1.53	08/16/2023 04:29	S23081530.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/16/2023 04:29	S23081530.D
2-Methylnaphthalene	91-57-6	**3.97**		1.61	08/16/2023 04:29	S23081530.D
∉ **TPH C4-C9**		**4,300**		416	08/16/2023 04:29	S23081530.D
∉ **TPH C10-C15**		**5,280**		356	08/16/2023 04:29	S23081530.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*95.4%*	*70-130*		*08/16/2023 04:29*	*S23081530.D*
Surrogate: Toluene-d8	2037-26-5	*126%*	*70-130*		*08/16/2023 04:29*	*S23081530.D*
Surrogate: Bromofluorobenzene	460-00-4	*115%*	*70-130*		*08/16/2023 04:29*	*S23081530.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
Forest Hill, MD 21050 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-53

PSG-47

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/16/2023 04:58	S23081531.D
1,1-Dichloroethene	75-35-4	<1.50		1.50	08/16/2023 04:58	S23081531.D
Methylene Chloride	75-09-2	<1.42		1.42	08/16/2023 04:58	S23081531.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.56		0.56	08/16/2023 04:58	S23081531.D
trans-1,2-Dichloroethene	156-60-5	<1.13		1.13	08/16/2023 04:58	S23081531.D
Methyl-t-butyl ether	1634-04-4	<2.48		2.48	08/16/2023 04:58	S23081531.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/16/2023 04:58	S23081531.D
cis-1,2-Dichloroethene	156-59-2	<0.94		0.94	08/16/2023 04:58	S23081531.D
Chloroform	67-66-3	<1.42		1.42	08/16/2023 04:58	S23081531.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/16/2023 04:58	S23081531.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/16/2023 04:58	S23081531.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/16/2023 04:58	S23081531.D
Benzene	71-43-2	**4.11**		2.34	08/16/2023 04:58	S23081531.D
Trichloroethene	79-01-6	<1.50		1.50	08/16/2023 04:58	S23081531.D
1,4-Dioxane	123-91-1	<1.21		1.21	08/16/2023 04:58	S23081531.D
1,1,2-Trichloroethane	79-00-5	<1.50		1.50	08/16/2023 04:58	S23081531.D
Toluene	108-88-3	**4.14**		3.10	08/16/2023 04:58	S23081531.D
1,2-Dibromoethane (EDB)	106-93-4	<0.64		0.64	08/16/2023 04:58	S23081531.D
Tetrachloroethene	127-18-4	**1.91**		1.21	08/16/2023 04:58	S23081531.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21		1.21	08/16/2023 04:58	S23081531.D
Chlorobenzene	108-90-7	<0.58		0.58	08/16/2023 04:58	S23081531.D
Ethylbenzene	100-41-4	**10.6**		1.46	08/16/2023 04:58	S23081531.D
p & m-Xylene	179601-23-1	**45.1**		1.41	08/16/2023 04:58	S23081531.D
o-Xylene	95-47-6	**16.1**		1.41	08/16/2023 04:58	S23081531.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/16/2023 04:58	S23081531.D
Isopropylbenzene	98-82-8	<1.49		1.49	08/16/2023 04:58	S23081531.D
1,3,5-Trimethylbenzene	108-67-8	<1.49		1.49	08/16/2023 04:58	S23081531.D
1,2,4-Trimethylbenzene	95-63-6	<1.49		1.49	08/16/2023 04:58	S23081531.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/16/2023 04:58	S23081531.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/16/2023 04:58	S23081531.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/16/2023 04:58	S23081531.D
1,2,4-Trichlorobenzene	120-82-1	<1.27		1.27	08/16/2023 04:58	S23081531.D
Naphthalene	91-20-3	<1.55		1.55	08/16/2023 04:58	S23081531.D
1,2,3-Trichlorobenzene	87-61-6	<1.27		1.27	08/16/2023 04:58	S23081531.D
2-Methylnaphthalene	91-57-6	<1.63		1.63	08/16/2023 04:58	S23081531.D
∉ **TPH C4-C9**		**1,320**		420	08/16/2023 04:58	S23081531.D
∉ **TPH C10-C15**		**1,730**		359	08/16/2023 04:58	S23081531.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*81.9%*	*70-130*		*08/16/2023 04:58*	*S23081531.D*
Surrogate: Toluene-d8	2037-26-5	*105%*	*70-130*		*08/16/2023 04:58*	*S23081531.D*
Surrogate: Bromofluorobenzene	460-00-4	*106%*	*70-130*		*08/16/2023 04:58*	*S23081531.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-54

PSG-48

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/16/2023 05:27	S23081532.D
1,1-Dichloroethene	75-35-4	<1.50		1.50	08/16/2023 05:27	S23081532.D
Methylene Chloride	75-09-2	<1.42		1.42	08/16/2023 05:27	S23081532.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.56		0.56	08/16/2023 05:27	S23081532.D
trans-1,2-Dichloroethene	156-60-5	<1.13		1.13	08/16/2023 05:27	S23081532.D
Methyl-t-butyl ether	1634-04-4	<2.48		2.48	08/16/2023 05:27	S23081532.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/16/2023 05:27	S23081532.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/16/2023 05:27	S23081532.D
Chloroform	67-66-3	<1.42		1.42	08/16/2023 05:27	S23081532.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/16/2023 05:27	S23081532.D
1,1,1-Trichloroethane	71-55-6	**0.62**		0.47	08/16/2023 05:27	S23081532.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/16/2023 05:27	S23081532.D
Benzene	71-43-2	<2.34		2.34	08/16/2023 05:27	S23081532.D
Trichloroethene	79-01-6	<1.50		1.50	08/16/2023 05:27	S23081532.D
1,4-Dioxane	123-91-1	<1.21		1.21	08/16/2023 05:27	S23081532.D
1,1,2-Trichloroethane	79-00-5	<1.50		1.50	08/16/2023 05:27	S23081532.D
Toluene	108-88-3	<3.10		3.10	08/16/2023 05:27	S23081532.D
1,2-Dibromoethane (EDB)	106-93-4	<0.64		0.64	08/16/2023 05:27	S23081532.D
Tetrachloroethene	127-18-4	**1.52**		1.21	08/16/2023 05:27	S23081532.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21		1.21	08/16/2023 05:27	S23081532.D
Chlorobenzene	108-90-7	<0.58		0.58	08/16/2023 05:27	S23081532.D
Ethylbenzene	100-41-4	**59.9**		1.46	08/16/2023 05:27	S23081532.D
p & m-Xylene	179601-23-1	**225**		1.41	08/16/2023 05:27	S23081532.D
o-Xylene	95-47-6	**123**		1.41	08/16/2023 05:27	S23081532.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/16/2023 05:27	S23081532.D
Isopropylbenzene	98-82-8	**3.74**		1.49	08/16/2023 05:27	S23081532.D
1,3,5-Trimethylbenzene	108-67-8	**6.71**		1.49	08/16/2023 05:27	S23081532.D
1,2,4-Trimethylbenzene	95-63-6	**16.0**		1.49	08/16/2023 05:27	S23081532.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/16/2023 05:27	S23081532.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/16/2023 05:27	S23081532.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/16/2023 05:27	S23081532.D
1,2,4-Trichlorobenzene	120-82-1	<1.27		1.27	08/16/2023 05:27	S23081532.D
Naphthalene	91-20-3	<1.55		1.55	08/16/2023 05:27	S23081532.D
1,2,3-Trichlorobenzene	87-61-6	<1.27		1.27	08/16/2023 05:27	S23081532.D
2-Methylnaphthalene	91-57-6	<1.63		1.63	08/16/2023 05:27	S23081532.D
∉ **TPH C4-C9**		**1,690**		420	08/16/2023 05:27	S23081532.D
∉ **TPH C10-C15**		**1,010**		359	08/16/2023 05:27	S23081532.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*88.7%*	*70-130*		*08/16/2023 05:27*	*S23081532.D*
Surrogate: Toluene-d8	2037-26-5	*118%*	*70-130*		*08/16/2023 05:27*	*S23081532.D*
Surrogate: Bromofluorobenzene	460-00-4	*105%*	*70-130*		*08/16/2023 05:27*	*S23081532.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-55

PSG-49

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/16/2023 05:56	S23081533.D
1,1-Dichloroethene	75-35-4	<1.49		1.49	08/16/2023 05:56	S23081533.D
Methylene Chloride	75-09-2	<1.41		1.41	08/16/2023 05:56	S23081533.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/16/2023 05:56	S23081533.D
trans-1,2-Dichloroethene	156-60-5	<1.12		1.12	08/16/2023 05:56	S23081533.D
Methyl-t-butyl ether	1634-04-4	<2.46		2.46	08/16/2023 05:56	S23081533.D
1,1-Dichloroethane	75-34-3	**0.98**		0.58	08/16/2023 05:56	S23081533.D
cis-1,2-Dichloroethene	156-59-2	**1.55**		0.93	08/16/2023 05:56	S23081533.D
Chloroform	67-66-3	<1.41		1.41	08/16/2023 05:56	S23081533.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/16/2023 05:56	S23081533.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/16/2023 05:56	S23081533.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/16/2023 05:56	S23081533.D
Benzene	71-43-2	**6.67**		2.32	08/16/2023 05:56	S23081533.D
Trichloroethene	79-01-6	**1.49**		1.49	08/16/2023 05:56	S23081533.D
1,4-Dioxane	123-91-1	**2.77**		1.20	08/16/2023 05:56	S23081533.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/16/2023 05:56	S23081533.D
Toluene	108-88-3	**4.88**		3.08	08/16/2023 05:56	S23081533.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/16/2023 05:56	S23081533.D
Tetrachloroethene	127-18-4	**1.30**		1.20	08/16/2023 05:56	S23081533.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/16/2023 05:56	S23081533.D
Chlorobenzene	108-90-7	<0.58		0.58	08/16/2023 05:56	S23081533.D
Ethylbenzene	100-41-4	<1.45		1.45	08/16/2023 05:56	S23081533.D
p & m-Xylene	179601-23-1	**2.85**		1.40	08/16/2023 05:56	S23081533.D
o-Xylene	95-47-6	<1.40		1.40	08/16/2023 05:56	S23081533.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/16/2023 05:56	S23081533.D
Isopropylbenzene	98-82-8	<1.48		1.48	08/16/2023 05:56	S23081533.D
1,3,5-Trimethylbenzene	108-67-8	<1.48		1.48	08/16/2023 05:56	S23081533.D
1,2,4-Trimethylbenzene	95-63-6	<1.48		1.48	08/16/2023 05:56	S23081533.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/16/2023 05:56	S23081533.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/16/2023 05:56	S23081533.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/16/2023 05:56	S23081533.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/16/2023 05:56	S23081533.D
Naphthalene	91-20-3	**2.24**		1.54	08/16/2023 05:56	S23081533.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/16/2023 05:56	S23081533.D
2-Methylnaphthalene	91-57-6	<1.62		1.62	08/16/2023 05:56	S23081533.D
∉ **TPH C4-C9**		**6,840**		417	08/16/2023 05:56	S23081533.D
∉ **TPH C10-C15**		**20,300**		357	08/16/2023 05:56	S23081533.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*91.6%*	*70-130*		*08/16/2023 05:56*	*S23081533.D*
Surrogate: Toluene-d8	2037-26-5	*116%*	*70-130*		*08/16/2023 05:56*	*S23081533.D*
Surrogate: Bromofluorobenzene	460-00-4	*100%*	*70-130*		*08/16/2023 05:56*	*S23081533.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-56

PSG-50

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	**2.58**		0.61	08/16/2023 06:24	S23081534.D
1,1-Dichloroethene	75-35-4	**161**		1.50	08/16/2023 06:24	S23081534.D
Methylene Chloride	75-09-2	<1.42		1.42	08/16/2023 06:24	S23081534.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.56		0.56	08/16/2023 06:24	S23081534.D
trans-1,2-Dichloroethene	156-60-5	<1.13		1.13	08/16/2023 06:24	S23081534.D
Methyl-t-butyl ether	1634-04-4	<2.48		2.48	08/16/2023 06:24	S23081534.D
1,1-Dichloroethane	75-34-3	**8.95**		0.58	08/16/2023 06:24	S23081534.D
cis-1,2-Dichloroethene	156-59-2	<0.94		0.94	08/16/2023 06:24	S23081534.D
Chloroform	67-66-3	**6.35**		1.42	08/16/2023 06:24	S23081534.D
1,2-Dichloroethane	107-06-2	<0.89		0.89	08/16/2023 06:24	S23081534.D
1,1,1-Trichloroethane	71-55-6	**128**	D	8.97	08/16/2023 19:24	C23081605.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/16/2023 06:24	S23081534.D
Benzene	71-43-2	**2.78**		2.34	08/16/2023 06:24	S23081534.D
Trichloroethene	79-01-6	<1.50		1.50	08/16/2023 06:24	S23081534.D
1,4-Dioxane	123-91-1	<1.21		1.21	08/16/2023 06:24	S23081534.D
1,1,2-Trichloroethane	79-00-5	<1.50		1.50	08/16/2023 06:24	S23081534.D
Toluene	108-88-3	<3.10		3.10	08/16/2023 06:24	S23081534.D
1,2-Dibromoethane (EDB)	106-93-4	<0.64		0.64	08/16/2023 06:24	S23081534.D
Tetrachloroethene	127-18-4	<1.21		1.21	08/16/2023 06:24	S23081534.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.21		1.21	08/16/2023 06:24	S23081534.D
Chlorobenzene	108-90-7	<0.58		0.58	08/16/2023 06:24	S23081534.D
Ethylbenzene	100-41-4	<1.46		1.46	08/16/2023 06:24	S23081534.D
p & m-Xylene	179601-23-1	**2.00**		1.41	08/16/2023 06:24	S23081534.D
o-Xylene	95-47-6	<1.41		1.41	08/16/2023 06:24	S23081534.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/16/2023 06:24	S23081534.D
Isopropylbenzene	98-82-8	<1.49		1.49	08/16/2023 06:24	S23081534.D
1,3,5-Trimethylbenzene	108-67-8	<1.49		1.49	08/16/2023 06:24	S23081534.D
1,2,4-Trimethylbenzene	95-63-6	<1.49		1.49	08/16/2023 06:24	S23081534.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/16/2023 06:24	S23081534.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/16/2023 06:24	S23081534.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/16/2023 06:24	S23081534.D
1,2,4-Trichlorobenzene	120-82-1	<1.27		1.27	08/16/2023 06:24	S23081534.D
Naphthalene	91-20-3	<1.55		1.55	08/16/2023 06:24	S23081534.D
1,2,3-Trichlorobenzene	87-61-6	<1.27		1.27	08/16/2023 06:24	S23081534.D
2-Methylnaphthalene	91-57-6	<1.63		1.63	08/16/2023 06:24	S23081534.D
∉ TPH C4-C9		<420		420	08/16/2023 06:24	S23081534.D
∉ **TPH C10-C15**		**620**		359	08/16/2023 06:24	S23081534.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*88.9%*	*70-130*		*08/16/2023 06:24*	*S23081534.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*108%*	*70-130*		*08/16/2023 19:24*	*C23081605.D*
Surrogate: Toluene-d8	2037-26-5	*96.8%*	*70-130*		*08/16/2023 06:24*	*S23081534.D*
Surrogate: Toluene-d8	2037-26-5	*98.3%*	*70-130*		*08/16/2023 19:24*	*C23081605.D*
Surrogate: Bromofluorobenzene	460-00-4	*103%*	*70-130*		*08/16/2023 06:24*	*S23081534.D*
Surrogate: Bromofluorobenzene	460-00-4	*96.2%*	*70-130*		*08/16/2023 19:24*	*C23081605.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-57

PSG-51

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	**1.26**		0.61	08/16/2023 06:54	S23081535.D
1,1-Dichloroethene	75-35-4	**184**		1.49	08/16/2023 06:54	S23081535.D
Methylene Chloride	75-09-2	<1.41		1.41	08/16/2023 06:54	S23081535.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/16/2023 06:54	S23081535.D
trans-1,2-Dichloroethene	156-60-5	<1.12		1.12	08/16/2023 06:54	S23081535.D
Methyl-t-butyl ether	1634-04-4	<2.46		2.46	08/16/2023 06:54	S23081535.D
1,1-Dichloroethane	75-34-3	**1.31**		0.58	08/16/2023 06:54	S23081535.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/16/2023 06:54	S23081535.D
Chloroform	67-66-3	<1.41		1.41	08/16/2023 06:54	S23081535.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/16/2023 06:54	S23081535.D
1,1,1-Trichloroethane	71-55-6	**131**	D	8.91	08/16/2023 19:52	C23081606.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/16/2023 06:54	S23081535.D
Benzene	71-43-2	**3.11**		2.32	08/16/2023 06:54	S23081535.D
Trichloroethene	79-01-6	<1.49		1.49	08/16/2023 06:54	S23081535.D
1,4-Dioxane	123-91-1	<1.20		1.20	08/16/2023 06:54	S23081535.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/16/2023 06:54	S23081535.D
Toluene	108-88-3	**3.99**		3.08	08/16/2023 06:54	S23081535.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/16/2023 06:54	S23081535.D
Tetrachloroethene	127-18-4	**1.29**		1.20	08/16/2023 06:54	S23081535.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/16/2023 06:54	S23081535.D
Chlorobenzene	108-90-7	<0.58		0.58	08/16/2023 06:54	S23081535.D
Ethylbenzene	100-41-4	**2.52**		1.45	08/16/2023 06:54	S23081535.D
p & m-Xylene	179601-23-1	**11.8**		1.40	08/16/2023 06:54	S23081535.D
o-Xylene	95-47-6	**5.13**		1.40	08/16/2023 06:54	S23081535.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/16/2023 06:54	S23081535.D
Isopropylbenzene	98-82-8	<1.48		1.48	08/16/2023 06:54	S23081535.D
1,3,5-Trimethylbenzene	108-67-8	<1.48		1.48	08/16/2023 06:54	S23081535.D
1,2,4-Trimethylbenzene	95-63-6	**2.38**		1.48	08/16/2023 06:54	S23081535.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/16/2023 06:54	S23081535.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/16/2023 06:54	S23081535.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/16/2023 06:54	S23081535.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/16/2023 06:54	S23081535.D
Naphthalene	91-20-3	<1.54		1.54	08/16/2023 06:54	S23081535.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/16/2023 06:54	S23081535.D
2-Methylnaphthalene	91-57-6	<1.62		1.62	08/16/2023 06:54	S23081535.D
∉ TPH C4-C9		<417		417	08/16/2023 06:54	S23081535.D
∉ **TPH C10-C15**		**702**		357	08/16/2023 06:54	S23081535.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*87.4%*	*70-130*		*08/16/2023 06:54*	*S23081535.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*108%*	*70-130*		*08/16/2023 19:52*	*C23081606.D*
Surrogate: Toluene-d8	2037-26-5	*101%*	*70-130*		*08/16/2023 06:54*	*S23081535.D*
Surrogate: Toluene-d8	2037-26-5	*98.9%*	*70-130*		*08/16/2023 19:52*	*C23081606.D*
Surrogate: Bromofluorobenzene	460-00-4	*104%*	*70-130*		*08/16/2023 06:54*	*S23081535.D*
Surrogate: Bromofluorobenzene	460-00-4	*95.6%*	*70-130*		*08/16/2023 19:52*	*C23081606.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-58

PSG-52

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	**1.97**		0.61	08/16/2023 07:23	S23081536.D
1,1-Dichloroethene	75-35-4	**3.92**		1.49	08/16/2023 07:23	S23081536.D
Methylene Chloride	75-09-2	<1.41		1.41	08/16/2023 07:23	S23081536.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/16/2023 07:23	S23081536.D
trans-1,2-Dichloroethene	156-60-5	<1.12		1.12	08/16/2023 07:23	S23081536.D
Methyl-t-butyl ether	1634-04-4	<2.46		2.46	08/16/2023 07:23	S23081536.D
1,1-Dichloroethane	75-34-3	**19.3**		0.58	08/16/2023 07:23	S23081536.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/16/2023 07:23	S23081536.D
Chloroform	67-66-3	<1.41		1.41	08/16/2023 07:23	S23081536.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/16/2023 07:23	S23081536.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/16/2023 07:23	S23081536.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/16/2023 07:23	S23081536.D
Benzene	71-43-2	**22.9**		2.32	08/16/2023 07:23	S23081536.D
Trichloroethene	79-01-6	**1.52**		1.49	08/16/2023 07:23	S23081536.D
1,4-Dioxane	123-91-1	<1.20		1.20	08/16/2023 07:23	S23081536.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/16/2023 07:23	S23081536.D
Toluene	108-88-3	**10.4**		3.08	08/16/2023 07:23	S23081536.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/16/2023 07:23	S23081536.D
Tetrachloroethene	127-18-4	<1.20		1.20	08/16/2023 07:23	S23081536.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/16/2023 07:23	S23081536.D
Chlorobenzene	108-90-7	<0.58		0.58	08/16/2023 07:23	S23081536.D
Ethylbenzene	100-41-4	**3.32**		1.45	08/16/2023 07:23	S23081536.D
p & m-Xylene	179601-23-1	**14.7**		1.40	08/16/2023 07:23	S23081536.D
o-Xylene	95-47-6	**7.28**		1.40	08/16/2023 07:23	S23081536.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/16/2023 07:23	S23081536.D
Isopropylbenzene	98-82-8	<1.48		1.48	08/16/2023 07:23	S23081536.D
1,3,5-Trimethylbenzene	108-67-8	**2.43**		1.48	08/16/2023 07:23	S23081536.D
1,2,4-Trimethylbenzene	95-63-6	**4.78**		1.48	08/16/2023 07:23	S23081536.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/16/2023 07:23	S23081536.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/16/2023 07:23	S23081536.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/16/2023 07:23	S23081536.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/16/2023 07:23	S23081536.D
Naphthalene	91-20-3	**2.30**		1.54	08/16/2023 07:23	S23081536.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/16/2023 07:23	S23081536.D
2-Methylnaphthalene	91-57-6	**3.23**		1.62	08/16/2023 07:23	S23081536.D
∉ **TPH C4-C9**		**777**		417	08/16/2023 07:23	S23081536.D
∉ **TPH C10-C15**		**1,130**		357	08/16/2023 07:23	S23081536.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*89.5%*	*70-130*		*08/16/2023 07:23*	*S23081536.D*
Surrogate: Toluene-d8	2037-26-5	*102%*	*70-130*		*08/16/2023 07:23*	*S23081536.D*
Surrogate: Bromofluorobenzene	460-00-4	*104%*	*70-130*		*08/16/2023 07:23*	*S23081536.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-59

PSG-53

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.57		0.57	08/16/2023 07:51	S23081537.D
1,1-Dichloroethene	75-35-4	<1.41		1.41	08/16/2023 07:51	S23081537.D
Methylene Chloride	75-09-2	<1.33		1.33	08/16/2023 07:51	S23081537.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	08/16/2023 07:51	S23081537.D
trans-1,2-Dichloroethene	156-60-5	<1.06		1.06	08/16/2023 07:51	S23081537.D
Methyl-t-butyl ether	1634-04-4	<2.33		2.33	08/16/2023 07:51	S23081537.D
1,1-Dichloroethane	75-34-3	**2.63**		0.55	08/16/2023 07:51	S23081537.D
cis-1,2-Dichloroethene	156-59-2	<0.88		0.88	08/16/2023 07:51	S23081537.D
Chloroform	67-66-3	<1.33		1.33	08/16/2023 07:51	S23081537.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	08/16/2023 07:51	S23081537.D
1,1,1-Trichloroethane	71-55-6	**1.72**		0.44	08/16/2023 07:51	S23081537.D
Carbon Tetrachloride	56-23-5	<1.08		1.08	08/16/2023 07:51	S23081537.D
Benzene	71-43-2	**26.0**		2.20	08/16/2023 07:51	S23081537.D
Trichloroethene	79-01-6	<1.41		1.41	08/16/2023 07:51	S23081537.D
1,4-Dioxane	123-91-1	<1.14		1.14	08/16/2023 07:51	S23081537.D
1,1,2-Trichloroethane	79-00-5	<1.41		1.41	08/16/2023 07:51	S23081537.D
Toluene	108-88-3	**6.63**		2.91	08/16/2023 07:51	S23081537.D
1,2-Dibromoethane (EDB)	106-93-4	<0.60		0.60	08/16/2023 07:51	S23081537.D
Tetrachloroethene	127-18-4	<1.14		1.14	08/16/2023 07:51	S23081537.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.14		1.14	08/16/2023 07:51	S23081537.D
Chlorobenzene	108-90-7	<0.55		0.55	08/16/2023 07:51	S23081537.D
Ethylbenzene	100-41-4	<1.37		1.37	08/16/2023 07:51	S23081537.D
p & m-Xylene	179601-23-1	**1.69**		1.32	08/16/2023 07:51	S23081537.D
o-Xylene	95-47-6	<1.32		1.32	08/16/2023 07:51	S23081537.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	08/16/2023 07:51	S23081537.D
Isopropylbenzene	98-82-8	<1.40		1.40	08/16/2023 07:51	S23081537.D
1,3,5-Trimethylbenzene	108-67-8	<1.40		1.40	08/16/2023 07:51	S23081537.D
1,2,4-Trimethylbenzene	95-63-6	<1.40		1.40	08/16/2023 07:51	S23081537.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	08/16/2023 07:51	S23081537.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	08/16/2023 07:51	S23081537.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	08/16/2023 07:51	S23081537.D
1,2,4-Trichlorobenzene	120-82-1	<1.19		1.19	08/16/2023 07:51	S23081537.D
Naphthalene	91-20-3	<1.46		1.46	08/16/2023 07:51	S23081537.D
1,2,3-Trichlorobenzene	87-61-6	<1.19		1.19	08/16/2023 07:51	S23081537.D
2-Methylnaphthalene	91-57-6	<1.53		1.53	08/16/2023 07:51	S23081537.D
∉ TPH C4-C9		<395		395	08/16/2023 07:51	S23081537.D
∉ **TPH C10-C15**		**651**		337	08/16/2023 07:51	S23081537.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*92.5%*	*70-130*		*08/16/2023 07:51*	*S23081537.D*
Surrogate: Toluene-d8	2037-26-5	*97.4%*	*70-130*		*08/16/2023 07:51*	*S23081537.D*
Surrogate: Bromofluorobenzene	460-00-4	*103%*	*70-130*		*08/16/2023 07:51*	*S23081537.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-60

PSG-54

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	**3.21**		0.58	08/16/2023 08:20	S23081538.D
1,1-Dichloroethene	75-35-4	**22.4**		1.41	08/16/2023 08:20	S23081538.D
Methylene Chloride	75-09-2	<1.33		1.33	08/16/2023 08:20	S23081538.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	08/16/2023 08:20	S23081538.D
trans-1,2-Dichloroethene	156-60-5	<1.06		1.06	08/16/2023 08:20	S23081538.D
Methyl-t-butyl ether	1634-04-4	<2.33		2.33	08/16/2023 08:20	S23081538.D
1,1-Dichloroethane	75-34-3	**40.4**		0.55	08/16/2023 08:20	S23081538.D
cis-1,2-Dichloroethene	156-59-2	<0.88		0.88	08/16/2023 08:20	S23081538.D
Chloroform	67-66-3	<1.33		1.33	08/16/2023 08:20	S23081538.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	08/16/2023 08:20	S23081538.D
1,1,1-Trichloroethane	71-55-6	**21.1**		0.44	08/16/2023 08:20	S23081538.D
Carbon Tetrachloride	56-23-5	<1.08		1.08	08/16/2023 08:20	S23081538.D
Benzene	71-43-2	**9.48**		2.20	08/16/2023 08:20	S23081538.D
Trichloroethene	79-01-6	<1.41		1.41	08/16/2023 08:20	S23081538.D
1,4-Dioxane	123-91-1	**4.14**		1.14	08/16/2023 08:20	S23081538.D
1,1,2-Trichloroethane	79-00-5	<1.41		1.41	08/16/2023 08:20	S23081538.D
Toluene	108-88-3	<2.91		2.91	08/16/2023 08:20	S23081538.D
1,2-Dibromoethane (EDB)	106-93-4	<0.60		0.60	08/16/2023 08:20	S23081538.D
Tetrachloroethene	127-18-4	<1.14		1.14	08/16/2023 08:20	S23081538.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.14		1.14	08/16/2023 08:20	S23081538.D
Chlorobenzene	108-90-7	<0.55		0.55	08/16/2023 08:20	S23081538.D
Ethylbenzene	100-41-4	<1.37		1.37	08/16/2023 08:20	S23081538.D
p & m-Xylene	179601-23-1	**4.51**		1.32	08/16/2023 08:20	S23081538.D
o-Xylene	95-47-6	**2.35**		1.32	08/16/2023 08:20	S23081538.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	08/16/2023 08:20	S23081538.D
Isopropylbenzene	98-82-8	<1.40		1.40	08/16/2023 08:20	S23081538.D
1,3,5-Trimethylbenzene	108-67-8	<1.40		1.40	08/16/2023 08:20	S23081538.D
1,2,4-Trimethylbenzene	95-63-6	<1.40		1.40	08/16/2023 08:20	S23081538.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	08/16/2023 08:20	S23081538.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	08/16/2023 08:20	S23081538.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	08/16/2023 08:20	S23081538.D
1,2,4-Trichlorobenzene	120-82-1	<1.19		1.19	08/16/2023 08:20	S23081538.D
Naphthalene	91-20-3	<1.46		1.46	08/16/2023 08:20	S23081538.D
1,2,3-Trichlorobenzene	87-61-6	<1.19		1.19	08/16/2023 08:20	S23081538.D
2-Methylnaphthalene	91-57-6	<1.53		1.53	08/16/2023 08:20	S23081538.D
∉ TPH C4-C9		<395		395	08/16/2023 08:20	S23081538.D
∉ **TPH C10-C15**		**462**		338	08/16/2023 08:20	S23081538.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*90.7%*	*70-130*		*08/16/2023 08:20*	*S23081538.D*
Surrogate: Toluene-d8	2037-26-5	*97.4%*	*70-130*		*08/16/2023 08:20*	*S23081538.D*
Surrogate: Bromofluorobenzene	460-00-4	*104%*	*70-130*		*08/16/2023 08:20*	*S23081538.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-61

PSG-55

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	**3.58**		0.58	08/16/2023 08:48	S23081539.D
1,1-Dichloroethene	75-35-4	**1.56**		1.41	08/16/2023 08:48	S23081539.D
Methylene Chloride	75-09-2	<1.33		1.33	08/16/2023 08:48	S23081539.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	08/16/2023 08:48	S23081539.D
trans-1,2-Dichloroethene	156-60-5	**5.97**		1.06	08/16/2023 08:48	S23081539.D
Methyl-t-butyl ether	1634-04-4	<2.33		2.33	08/16/2023 08:48	S23081539.D
1,1-Dichloroethane	75-34-3	**6.45**		0.55	08/16/2023 08:48	S23081539.D
cis-1,2-Dichloroethene	156-59-2	**35.6**		0.88	08/16/2023 08:48	S23081539.D
Chloroform	67-66-3	<1.33		1.33	08/16/2023 08:48	S23081539.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	08/16/2023 08:48	S23081539.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	08/16/2023 08:48	S23081539.D
Carbon Tetrachloride	56-23-5	<1.08		1.08	08/16/2023 08:48	S23081539.D
Benzene	71-43-2	**6.46**		2.20	08/16/2023 08:48	S23081539.D
Trichloroethene	79-01-6	<1.41		1.41	08/16/2023 08:48	S23081539.D
1,4-Dioxane	123-91-1	<1.14		1.14	08/16/2023 08:48	S23081539.D
1,1,2-Trichloroethane	79-00-5	<1.41		1.41	08/16/2023 08:48	S23081539.D
Toluene	108-88-3	<2.91		2.91	08/16/2023 08:48	S23081539.D
1,2-Dibromoethane (EDB)	106-93-4	<0.60		0.60	08/16/2023 08:48	S23081539.D
Tetrachloroethene	127-18-4	<1.14		1.14	08/16/2023 08:48	S23081539.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.14		1.14	08/16/2023 08:48	S23081539.D
Chlorobenzene	108-90-7	<0.55		0.55	08/16/2023 08:48	S23081539.D
Ethylbenzene	100-41-4	<1.37		1.37	08/16/2023 08:48	S23081539.D
p & m-Xylene	179601-23-1	<1.32		1.32	08/16/2023 08:48	S23081539.D
o-Xylene	95-47-6	<1.32		1.32	08/16/2023 08:48	S23081539.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	08/16/2023 08:48	S23081539.D
Isopropylbenzene	98-82-8	**1.70**		1.40	08/16/2023 08:48	S23081539.D
1,3,5-Trimethylbenzene	108-67-8	<1.40		1.40	08/16/2023 08:48	S23081539.D
1,2,4-Trimethylbenzene	95-63-6	<1.40		1.40	08/16/2023 08:48	S23081539.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	08/16/2023 08:48	S23081539.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	08/16/2023 08:48	S23081539.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	08/16/2023 08:48	S23081539.D
1,2,4-Trichlorobenzene	120-82-1	<1.19		1.19	08/16/2023 08:48	S23081539.D
Naphthalene	91-20-3	<1.46		1.46	08/16/2023 08:48	S23081539.D
1,2,3-Trichlorobenzene	87-61-6	<1.19		1.19	08/16/2023 08:48	S23081539.D
2-Methylnaphthalene	91-57-6	<1.53		1.53	08/16/2023 08:48	S23081539.D
∉ **TPH C4-C9**		**1,260**		395	08/16/2023 08:48	S23081539.D
∉ **TPH C10-C15**		**431**		338	08/16/2023 08:48	S23081539.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*90.1%*	*70-130*		*08/16/2023 08:48*	*S23081539.D*
Surrogate: Toluene-d8	2037-26-5	*98.1%*	*70-130*		*08/16/2023 08:48*	*S23081539.D*
Surrogate: Bromofluorobenzene	460-00-4	*102%*	*70-130*		*08/16/2023 08:48*	*S23081539.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-62

PSG-56

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.58		0.58	08/16/2023 09:18	S23081540.D
1,1-Dichloroethene	75-35-4	<1.41		1.41	08/16/2023 09:18	S23081540.D
Methylene Chloride	75-09-2	<1.33		1.33	08/16/2023 09:18	S23081540.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52		0.52	08/16/2023 09:18	S23081540.D
trans-1,2-Dichloroethene	156-60-5	<1.06		1.06	08/16/2023 09:18	S23081540.D
Methyl-t-butyl ether	1634-04-4	<2.33		2.33	08/16/2023 09:18	S23081540.D
1,1-Dichloroethane	75-34-3	<0.55		0.55	08/16/2023 09:18	S23081540.D
cis-1,2-Dichloroethene	156-59-2	<0.88		0.88	08/16/2023 09:18	S23081540.D
Chloroform	67-66-3	<1.33		1.33	08/16/2023 09:18	S23081540.D
1,2-Dichloroethane	107-06-2	<0.83		0.83	08/16/2023 09:18	S23081540.D
1,1,1-Trichloroethane	71-55-6	<0.44		0.44	08/16/2023 09:18	S23081540.D
Carbon Tetrachloride	56-23-5	<1.08		1.08	08/16/2023 09:18	S23081540.D
Benzene	71-43-2	**4.78**		2.20	08/16/2023 09:18	S23081540.D
Trichloroethene	79-01-6	<1.41		1.41	08/16/2023 09:18	S23081540.D
1,4-Dioxane	123-91-1	<1.14		1.14	08/16/2023 09:18	S23081540.D
1,1,2-Trichloroethane	79-00-5	<1.41		1.41	08/16/2023 09:18	S23081540.D
Toluene	108-88-3	**3.32**		2.91	08/16/2023 09:18	S23081540.D
1,2-Dibromoethane (EDB)	106-93-4	<0.60		0.60	08/16/2023 09:18	S23081540.D
Tetrachloroethene	127-18-4	<1.14		1.14	08/16/2023 09:18	S23081540.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.14		1.14	08/16/2023 09:18	S23081540.D
Chlorobenzene	108-90-7	<0.55		0.55	08/16/2023 09:18	S23081540.D
Ethylbenzene	100-41-4	<1.37		1.37	08/16/2023 09:18	S23081540.D
p & m-Xylene	179601-23-1	**3.03**		1.32	08/16/2023 09:18	S23081540.D
o-Xylene	95-47-6	**1.44**		1.32	08/16/2023 09:18	S23081540.D
1,2,3-Trichloropropane	96-18-4	<0.62		0.62	08/16/2023 09:18	S23081540.D
Isopropylbenzene	98-82-8	<1.40		1.40	08/16/2023 09:18	S23081540.D
1,3,5-Trimethylbenzene	108-67-8	<1.40		1.40	08/16/2023 09:18	S23081540.D
1,2,4-Trimethylbenzene	95-63-6	<1.40		1.40	08/16/2023 09:18	S23081540.D
1,3-Dichlorobenzene	541-73-1	<0.62		0.62	08/16/2023 09:18	S23081540.D
1,4-Dichlorobenzene	106-46-7	<0.62		0.62	08/16/2023 09:18	S23081540.D
1,2-Dichlorobenzene	95-50-1	<0.62		0.62	08/16/2023 09:18	S23081540.D
1,2,4-Trichlorobenzene	120-82-1	<1.19		1.19	08/16/2023 09:18	S23081540.D
Naphthalene	91-20-3	<1.46		1.46	08/16/2023 09:18	S23081540.D
1,2,3-Trichlorobenzene	87-61-6	<1.19		1.19	08/16/2023 09:18	S23081540.D
2-Methylnaphthalene	91-57-6	<1.53		1.53	08/16/2023 09:18	S23081540.D
∉ TPH C4-C9		<395		395	08/16/2023 09:18	S23081540.D
∉ **TPH C10-C15**		**582**		338	08/16/2023 09:18	S23081540.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*85.2%*	*70-130*		*08/16/2023 09:18*	*S23081540.D*
Surrogate: Toluene-d8	2037-26-5	*98.1%*	*70-130*		*08/16/2023 09:18*	*S23081540.D*
Surrogate: Bromofluorobenzene	460-00-4	*103%*	*70-130*		*08/16/2023 09:18*	*S23081540.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-63

PSG-57

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	**0.65**		0.61	08/16/2023 09:47	S23081541.D
1,1-Dichloroethene	75-35-4	**3.81**		1.49	08/16/2023 09:47	S23081541.D
Methylene Chloride	75-09-2	<1.40		1.40	08/16/2023 09:47	S23081541.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/16/2023 09:47	S23081541.D
trans-1,2-Dichloroethene	156-60-5	<1.12		1.12	08/16/2023 09:47	S23081541.D
Methyl-t-butyl ether	1634-04-4	<2.45		2.45	08/16/2023 09:47	S23081541.D
1,1-Dichloroethane	75-34-3	**17.2**		0.58	08/16/2023 09:47	S23081541.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/16/2023 09:47	S23081541.D
Chloroform	67-66-3	<1.40		1.40	08/16/2023 09:47	S23081541.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/16/2023 09:47	S23081541.D
1,1,1-Trichloroethane	71-55-6	**10.6**		0.47	08/16/2023 09:47	S23081541.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/16/2023 09:47	S23081541.D
Benzene	71-43-2	**22.4**		2.31	08/16/2023 09:47	S23081541.D
Trichloroethene	79-01-6	<1.49		1.49	08/16/2023 09:47	S23081541.D
1,4-Dioxane	123-91-1	<1.20		1.20	08/16/2023 09:47	S23081541.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/16/2023 09:47	S23081541.D
Toluene	108-88-3	**13.5**		3.07	08/16/2023 09:47	S23081541.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/16/2023 09:47	S23081541.D
Tetrachloroethene	127-18-4	<1.20		1.20	08/16/2023 09:47	S23081541.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/16/2023 09:47	S23081541.D
Chlorobenzene	108-90-7	<0.58		0.58	08/16/2023 09:47	S23081541.D
Ethylbenzene	100-41-4	<1.44		1.44	08/16/2023 09:47	S23081541.D
p & m-Xylene	179601-23-1	**3.56**		1.39	08/16/2023 09:47	S23081541.D
o-Xylene	95-47-6	**3.22**		1.39	08/16/2023 09:47	S23081541.D
1,2,3-Trichloropropane	96-18-4	<0.65		0.65	08/16/2023 09:47	S23081541.D
Isopropylbenzene	98-82-8	<1.48		1.48	08/16/2023 09:47	S23081541.D
1,3,5-Trimethylbenzene	108-67-8	**8.46**		1.48	08/16/2023 09:47	S23081541.D
1,2,4-Trimethylbenzene	95-63-6	**7.49**		1.48	08/16/2023 09:47	S23081541.D
1,3-Dichlorobenzene	541-73-1	<0.65		0.65	08/16/2023 09:47	S23081541.D
1,4-Dichlorobenzene	106-46-7	<0.65		0.65	08/16/2023 09:47	S23081541.D
1,2-Dichlorobenzene	95-50-1	<0.65		0.65	08/16/2023 09:47	S23081541.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/16/2023 09:47	S23081541.D
Naphthalene	91-20-3	<1.53		1.53	08/16/2023 09:47	S23081541.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/16/2023 09:47	S23081541.D
2-Methylnaphthalene	91-57-6	<1.61		1.61	08/16/2023 09:47	S23081541.D
∉ **TPH C4-C9**		**3,630**		416	08/16/2023 09:47	S23081541.D
∉ **TPH C10-C15**		**902**		356	08/16/2023 09:47	S23081541.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*107%*	*70-130*		*08/16/2023 09:47*	*S23081541.D*
Surrogate: Toluene-d8	2037-26-5	*98.9%*	*70-130*		*08/16/2023 09:47*	*S23081541.D*
Surrogate: Bromofluorobenzene	460-00-4	*103%*	*70-130*		*08/16/2023 09:47*	*S23081541.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-64

PSG-58

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/16/2023 10:16	S23081542.D
1,1-Dichloroethene	75-35-4	**1.77**		1.49	08/16/2023 10:16	S23081542.D
Methylene Chloride	75-09-2	<1.40		1.40	08/16/2023 10:16	S23081542.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/16/2023 10:16	S23081542.D
trans-1,2-Dichloroethene	156-60-5	<1.11		1.11	08/16/2023 10:16	S23081542.D
Methyl-t-butyl ether	1634-04-4	<2.45		2.45	08/16/2023 10:16	S23081542.D
1,1-Dichloroethane	75-34-3	**1.09**		0.58	08/16/2023 10:16	S23081542.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/16/2023 10:16	S23081542.D
Chloroform	67-66-3	<1.40		1.40	08/16/2023 10:16	S23081542.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/16/2023 10:16	S23081542.D
1,1,1-Trichloroethane	71-55-6	**3.42**		0.47	08/16/2023 10:16	S23081542.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/16/2023 10:16	S23081542.D
Benzene	71-43-2	**17.4**		2.31	08/16/2023 10:16	S23081542.D
Trichloroethene	79-01-6	<1.49		1.49	08/16/2023 10:16	S23081542.D
1,4-Dioxane	123-91-1	<1.20		1.20	08/16/2023 10:16	S23081542.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/16/2023 10:16	S23081542.D
Toluene	108-88-3	**8.54**		3.07	08/16/2023 10:16	S23081542.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/16/2023 10:16	S23081542.D
Tetrachloroethene	127-18-4	<1.20		1.20	08/16/2023 10:16	S23081542.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/16/2023 10:16	S23081542.D
Chlorobenzene	108-90-7	<0.58		0.58	08/16/2023 10:16	S23081542.D
Ethylbenzene	100-41-4	<1.44		1.44	08/16/2023 10:16	S23081542.D
p & m-Xylene	179601-23-1	**3.53**		1.39	08/16/2023 10:16	S23081542.D
o-Xylene	95-47-6	**2.17**		1.39	08/16/2023 10:16	S23081542.D
1,2,3-Trichloropropane	96-18-4	<0.65		0.65	08/16/2023 10:16	S23081542.D
Isopropylbenzene	98-82-8	**2.03**		1.48	08/16/2023 10:16	S23081542.D
1,3,5-Trimethylbenzene	108-67-8	**6.97**		1.48	08/16/2023 10:16	S23081542.D
1,2,4-Trimethylbenzene	95-63-6	**5.27**		1.48	08/16/2023 10:16	S23081542.D
1,3-Dichlorobenzene	541-73-1	<0.65		0.65	08/16/2023 10:16	S23081542.D
1,4-Dichlorobenzene	106-46-7	<0.65		0.65	08/16/2023 10:16	S23081542.D
1,2-Dichlorobenzene	95-50-1	<0.65		0.65	08/16/2023 10:16	S23081542.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/16/2023 10:16	S23081542.D
Naphthalene	91-20-3	<1.53		1.53	08/16/2023 10:16	S23081542.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/16/2023 10:16	S23081542.D
2-Methylnaphthalene	91-57-6	<1.61		1.61	08/16/2023 10:16	S23081542.D
∉ TPH C4-C9		<416		416	08/16/2023 10:16	S23081542.D
∉ **TPH C10-C15**		**643**		355	08/16/2023 10:16	S23081542.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*92.5%*	*70-130*		*08/16/2023 10:16*	*S23081542.D*
Surrogate: Toluene-d8	2037-26-5	*98.3%*	*70-130*		*08/16/2023 10:16*	*S23081542.D*
Surrogate: Bromofluorobenzene	460-00-4	*103%*	*70-130*		*08/16/2023 10:16*	*S23081542.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-65

PSG-59

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	**1.41**		0.61	08/16/2023 10:44	S23081543.D
1,1-Dichloroethene	75-35-4	**2.29**		1.49	08/16/2023 10:44	S23081543.D
Methylene Chloride	75-09-2	<1.40		1.40	08/16/2023 10:44	S23081543.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/16/2023 10:44	S23081543.D
trans-1,2-Dichloroethene	156-60-5	<1.12		1.12	08/16/2023 10:44	S23081543.D
Methyl-t-butyl ether	1634-04-4	<2.45		2.45	08/16/2023 10:44	S23081543.D
1,1-Dichloroethane	75-34-3	**72.9**	D	11.0	08/16/2023 20:21	C23081607.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/16/2023 10:44	S23081543.D
Chloroform	67-66-3	<1.40		1.40	08/16/2023 10:44	S23081543.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/16/2023 10:44	S23081543.D
1,1,1-Trichloroethane	71-55-6	**5.35**		0.47	08/16/2023 10:44	S23081543.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/16/2023 10:44	S23081543.D
Benzene	71-43-2	**5.63**		2.31	08/16/2023 10:44	S23081543.D
Trichloroethene	79-01-6	<1.49		1.49	08/16/2023 10:44	S23081543.D
1,4-Dioxane	123-91-1	**110**	D	22.7	08/16/2023 20:21	C23081607.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/16/2023 10:44	S23081543.D
Toluene	108-88-3	**4.23**		3.07	08/16/2023 10:44	S23081543.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/16/2023 10:44	S23081543.D
Tetrachloroethene	127-18-4	**8.53**		1.20	08/16/2023 10:44	S23081543.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/16/2023 10:44	S23081543.D
Chlorobenzene	108-90-7	<0.58		0.58	08/16/2023 10:44	S23081543.D
Ethylbenzene	100-41-4	**4.20**		1.44	08/16/2023 10:44	S23081543.D
p & m-Xylene	179601-23-1	**19.3**		1.39	08/16/2023 10:44	S23081543.D
o-Xylene	95-47-6	**9.54**		1.39	08/16/2023 10:44	S23081543.D
1,2,3-Trichloropropane	96-18-4	<0.65		0.65	08/16/2023 10:44	S23081543.D
Isopropylbenzene	98-82-8	<1.48		1.48	08/16/2023 10:44	S23081543.D
1,3,5-Trimethylbenzene	108-67-8	<1.48		1.48	08/16/2023 10:44	S23081543.D
1,2,4-Trimethylbenzene	95-63-6	<1.48		1.48	08/16/2023 10:44	S23081543.D
1,3-Dichlorobenzene	541-73-1	<0.65		0.65	08/16/2023 10:44	S23081543.D
1,4-Dichlorobenzene	106-46-7	<0.65		0.65	08/16/2023 10:44	S23081543.D
1,2-Dichlorobenzene	95-50-1	<0.65		0.65	08/16/2023 10:44	S23081543.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/16/2023 10:44	S23081543.D
Naphthalene	91-20-3	<1.53		1.53	08/16/2023 10:44	S23081543.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/16/2023 10:44	S23081543.D
2-Methylnaphthalene	91-57-6	<1.61		1.61	08/16/2023 10:44	S23081543.D
∉ TPH C4-C9		<416		416	08/16/2023 10:44	S23081543.D
∉ **TPH C10-C15**		**1,090**		356	08/16/2023 10:44	S23081543.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*93.3%*	*70-130*		*08/16/2023 10:44*	*S23081543.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*113%*	*70-130*		*08/16/2023 20:21*	*C23081607.D*
Surrogate: Toluene-d8	2037-26-5	*97.7%*	*70-130*		*08/16/2023 10:44*	*S23081543.D*
Surrogate: Toluene-d8	2037-26-5	*99.4%*	*70-130*		*08/16/2023 20:21*	*C23081607.D*
Surrogate: Bromofluorobenzene	460-00-4	*104%*	*70-130*		*08/16/2023 10:44*	*S23081543.D*
Surrogate: Bromofluorobenzene	460-00-4	*93.8%*	*70-130*		*08/16/2023 20:21*	*C23081607.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-66

PSG-60

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/16/2023 11:13	S23081544.D
1,1-Dichloroethene	75-35-4	<1.50		1.50	08/16/2023 11:13	S23081544.D
Methylene Chloride	75-09-2	<1.41		1.41	08/16/2023 11:13	S23081544.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/16/2023 11:13	S23081544.D
trans-1,2-Dichloroethene	156-60-5	<1.12		1.12	08/16/2023 11:13	S23081544.D
Methyl-t-butyl ether	1634-04-4	<2.47		2.47	08/16/2023 11:13	S23081544.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/16/2023 11:13	S23081544.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/16/2023 11:13	S23081544.D
Chloroform	67-66-3	<1.41		1.41	08/16/2023 11:13	S23081544.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/16/2023 11:13	S23081544.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/16/2023 11:13	S23081544.D
Carbon Tetrachloride	56-23-5	<1.15		1.15	08/16/2023 11:13	S23081544.D
Benzene	71-43-2	**7.11**		2.33	08/16/2023 11:13	S23081544.D
Trichloroethene	79-01-6	<1.50		1.50	08/16/2023 11:13	S23081544.D
1,4-Dioxane	123-91-1	<1.20		1.20	08/16/2023 11:13	S23081544.D
1,1,2-Trichloroethane	79-00-5	<1.50		1.50	08/16/2023 11:13	S23081544.D
Toluene	108-88-3	<3.09		3.09	08/16/2023 11:13	S23081544.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/16/2023 11:13	S23081544.D
Tetrachloroethene	127-18-4	**40.1**		1.20	08/16/2023 11:13	S23081544.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/16/2023 11:13	S23081544.D
Chlorobenzene	108-90-7	<0.58		0.58	08/16/2023 11:13	S23081544.D
Ethylbenzene	100-41-4	<1.45		1.45	08/16/2023 11:13	S23081544.D
p & m-Xylene	179601-23-1	<1.40		1.40	08/16/2023 11:13	S23081544.D
o-Xylene	95-47-6	<1.40		1.40	08/16/2023 11:13	S23081544.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/16/2023 11:13	S23081544.D
Isopropylbenzene	98-82-8	<1.49		1.49	08/16/2023 11:13	S23081544.D
1,3,5-Trimethylbenzene	108-67-8	<1.49		1.49	08/16/2023 11:13	S23081544.D
1,2,4-Trimethylbenzene	95-63-6	<1.49		1.49	08/16/2023 11:13	S23081544.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/16/2023 11:13	S23081544.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/16/2023 11:13	S23081544.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/16/2023 11:13	S23081544.D
1,2,4-Trichlorobenzene	120-82-1	<1.27		1.27	08/16/2023 11:13	S23081544.D
Naphthalene	91-20-3	<1.54		1.54	08/16/2023 11:13	S23081544.D
1,2,3-Trichlorobenzene	87-61-6	<1.27		1.27	08/16/2023 11:13	S23081544.D
2-Methylnaphthalene	91-57-6	<1.62		1.62	08/16/2023 11:13	S23081544.D
∉ TPH C4-C9		<418		418	08/16/2023 11:13	S23081544.D
∉ TPH C10-C15		<358		358	08/16/2023 11:13	S23081544.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*92.8%*	*70-130*		*08/16/2023 11:13*	*S23081544.D*
Surrogate: Toluene-d8	2037-26-5	*97.8%*	*70-130*		*08/16/2023 11:13*	*S23081544.D*
Surrogate: Bromofluorobenzene	460-00-4	*104%*	*70-130*		*08/16/2023 11:13*	*S23081544.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-67

PSG-61

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/16/2023 11:43	S23081545.D
1,1-Dichloroethene	75-35-4	**3.18**		1.49	08/16/2023 11:43	S23081545.D
Methylene Chloride	75-09-2	<1.40		1.40	08/16/2023 11:43	S23081545.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/16/2023 11:43	S23081545.D
trans-1,2-Dichloroethene	156-60-5	<1.12		1.12	08/16/2023 11:43	S23081545.D
Methyl-t-butyl ether	1634-04-4	<2.45		2.45	08/16/2023 11:43	S23081545.D
1,1-Dichloroethane	75-34-3	**19.1**		0.58	08/16/2023 11:43	S23081545.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/16/2023 11:43	S23081545.D
Chloroform	67-66-3	<1.40		1.40	08/16/2023 11:43	S23081545.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/16/2023 11:43	S23081545.D
1,1,1-Trichloroethane	71-55-6	**3.19**		0.47	08/16/2023 11:43	S23081545.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/16/2023 11:43	S23081545.D
Benzene	71-43-2	**100**		2.31	08/16/2023 11:43	S23081545.D
Trichloroethene	79-01-6	**1.71**		1.49	08/16/2023 11:43	S23081545.D
1,4-Dioxane	123-91-1	**10.3**		1.20	08/16/2023 11:43	S23081545.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/16/2023 11:43	S23081545.D
Toluene	108-88-3	**57.4**		3.07	08/16/2023 11:43	S23081545.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/16/2023 11:43	S23081545.D
Tetrachloroethene	127-18-4	<1.20		1.20	08/16/2023 11:43	S23081545.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/16/2023 11:43	S23081545.D
Chlorobenzene	108-90-7	<0.58		0.58	08/16/2023 11:43	S23081545.D
Ethylbenzene	100-41-4	**9.10**		1.44	08/16/2023 11:43	S23081545.D
p & m-Xylene	179601-23-1	**28.6**		1.39	08/16/2023 11:43	S23081545.D
o-Xylene	95-47-6	**42.2**		1.39	08/16/2023 11:43	S23081545.D
1,2,3-Trichloropropane	96-18-4	<0.65		0.65	08/16/2023 11:43	S23081545.D
Isopropylbenzene	98-82-8	**15.7**		1.48	08/16/2023 11:43	S23081545.D
1,3,5-Trimethylbenzene	108-67-8	**32.2**		1.48	08/16/2023 11:43	S23081545.D
1,2,4-Trimethylbenzene	95-63-6	**39.2**		1.48	08/16/2023 11:43	S23081545.D
1,3-Dichlorobenzene	541-73-1	<0.65		0.65	08/16/2023 11:43	S23081545.D
1,4-Dichlorobenzene	106-46-7	<0.65		0.65	08/16/2023 11:43	S23081545.D
1,2-Dichlorobenzene	95-50-1	<0.65		0.65	08/16/2023 11:43	S23081545.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/16/2023 11:43	S23081545.D
Naphthalene	91-20-3	**6.43**		1.53	08/16/2023 11:43	S23081545.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/16/2023 11:43	S23081545.D
2-Methylnaphthalene	91-57-6	**4.32**		1.61	08/16/2023 11:43	S23081545.D
∉ **TPH C4-C9**		**4,390**		416	08/16/2023 11:43	S23081545.D
∉ **TPH C10-C15**		**3,460**		356	08/16/2023 11:43	S23081545.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*87.8%*	*70-130*		*08/16/2023 11:43*	*S23081545.D*
Surrogate: Toluene-d8	2037-26-5	*226%*	*70-130*	*S4*	*08/16/2023 11:43*	*S23081545.D*
Surrogate: Bromofluorobenzene	460-00-4	*111%*	*70-130*		*08/16/2023 11:43*	*S23081545.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-68

PSG-61-Dup

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	**0.97**		0.61	08/16/2023 12:12	S23081546.D
1,1-Dichloroethene	75-35-4	**3.58**		1.49	08/16/2023 12:12	S23081546.D
Methylene Chloride	75-09-2	<1.40		1.40	08/16/2023 12:12	S23081546.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/16/2023 12:12	S23081546.D
trans-1,2-Dichloroethene	156-60-5	<1.12		1.12	08/16/2023 12:12	S23081546.D
Methyl-t-butyl ether	1634-04-4	<2.45		2.45	08/16/2023 12:12	S23081546.D
1,1-Dichloroethane	75-34-3	**17.8**		0.58	08/16/2023 12:12	S23081546.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/16/2023 12:12	S23081546.D
Chloroform	67-66-3	<1.40		1.40	08/16/2023 12:12	S23081546.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/16/2023 12:12	S23081546.D
1,1,1-Trichloroethane	71-55-6	**2.95**		0.47	08/16/2023 12:12	S23081546.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/16/2023 12:12	S23081546.D
Benzene	71-43-2	**78.7**		2.31	08/16/2023 12:12	S23081546.D
Trichloroethene	79-01-6	<1.49		1.49	08/16/2023 12:12	S23081546.D
1,4-Dioxane	123-91-1	**9.44**		1.20	08/16/2023 12:12	S23081546.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/16/2023 12:12	S23081546.D
Toluene	108-88-3	**43.3**		3.07	08/16/2023 12:12	S23081546.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/16/2023 12:12	S23081546.D
Tetrachloroethene	127-18-4	<1.20		1.20	08/16/2023 12:12	S23081546.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/16/2023 12:12	S23081546.D
Chlorobenzene	108-90-7	<0.58		0.58	08/16/2023 12:12	S23081546.D
Ethylbenzene	100-41-4	**7.98**		1.44	08/16/2023 12:12	S23081546.D
p & m-Xylene	179601-23-1	**29.0**		1.39	08/16/2023 12:12	S23081546.D
o-Xylene	95-47-6	**41.6**		1.39	08/16/2023 12:12	S23081546.D
1,2,3-Trichloropropane	96-18-4	<0.65		0.65	08/16/2023 12:12	S23081546.D
Isopropylbenzene	98-82-8	**15.8**		1.48	08/16/2023 12:12	S23081546.D
1,3,5-Trimethylbenzene	108-67-8	**31.3**		1.48	08/16/2023 12:12	S23081546.D
1,2,4-Trimethylbenzene	95-63-6	**41.4**		1.48	08/16/2023 12:12	S23081546.D
1,3-Dichlorobenzene	541-73-1	<0.65		0.65	08/16/2023 12:12	S23081546.D
1,4-Dichlorobenzene	106-46-7	<0.65		0.65	08/16/2023 12:12	S23081546.D
1,2-Dichlorobenzene	95-50-1	<0.65		0.65	08/16/2023 12:12	S23081546.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/16/2023 12:12	S23081546.D
Naphthalene	91-20-3	**6.27**		1.53	08/16/2023 12:12	S23081546.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/16/2023 12:12	S23081546.D
2-Methylnaphthalene	91-57-6	**3.94**		1.61	08/16/2023 12:12	S23081546.D
∉ **TPH C4-C9**		**3,800**		416	08/16/2023 12:12	S23081546.D
∉ **TPH C10-C15**		**3,230**		356	08/16/2023 12:12	S23081546.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*92.6%*	*70-130*		*08/16/2023 12:12*	*S23081546.D*
Surrogate: Toluene-d8	2037-26-5	*211%*	*70-130*	*S4*	*08/16/2023 12:12*	*S23081546.D*
Surrogate: Bromofluorobenzene	460-00-4	*108%*	*70-130*		*08/16/2023 12:12*	*S23081546.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-69

PSG-62

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/16/2023 12:41	S23081547.D
1,1-Dichloroethene	75-35-4	**25.1**		1.49	08/16/2023 12:41	S23081547.D
Methylene Chloride	75-09-2	<1.40		1.40	08/16/2023 12:41	S23081547.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/16/2023 12:41	S23081547.D
trans-1,2-Dichloroethene	156-60-5	**16.6**		1.12	08/16/2023 12:41	S23081547.D
Methyl-t-butyl ether	1634-04-4	<2.45		2.45	08/16/2023 12:41	S23081547.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/16/2023 12:41	S23081547.D
cis-1,2-Dichloroethene	156-59-2	**63.7**		0.93	08/16/2023 12:41	S23081547.D
Chloroform	67-66-3	<1.40		1.40	08/16/2023 12:41	S23081547.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/16/2023 12:41	S23081547.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/16/2023 12:41	S23081547.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/16/2023 12:41	S23081547.D
Benzene	71-43-2	**9.55**		2.31	08/16/2023 12:41	S23081547.D
Trichloroethene	79-01-6	**3,920**	D	28.2	08/16/2023 20:49	C23081608.D
1,4-Dioxane	123-91-1	<1.20		1.20	08/16/2023 12:41	S23081547.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/16/2023 12:41	S23081547.D
Toluene	108-88-3	**9.81**		3.07	08/16/2023 12:41	S23081547.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/16/2023 12:41	S23081547.D
Tetrachloroethene	127-18-4	**43.0**		1.20	08/16/2023 12:41	S23081547.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/16/2023 12:41	S23081547.D
Chlorobenzene	108-90-7	<0.58		0.58	08/16/2023 12:41	S23081547.D
Ethylbenzene	100-41-4	<1.44		1.44	08/16/2023 12:41	S23081547.D
p & m-Xylene	179601-23-1	**2.49**		1.39	08/16/2023 12:41	S23081547.D
o-Xylene	95-47-6	**2.11**		1.39	08/16/2023 12:41	S23081547.D
1,2,3-Trichloropropane	96-18-4	<0.65		0.65	08/16/2023 12:41	S23081547.D
Isopropylbenzene	98-82-8	<1.48		1.48	08/16/2023 12:41	S23081547.D
1,3,5-Trimethylbenzene	108-67-8	**2.73**		1.48	08/16/2023 12:41	S23081547.D
1,2,4-Trimethylbenzene	95-63-6	**2.64**		1.48	08/16/2023 12:41	S23081547.D
1,3-Dichlorobenzene	541-73-1	<0.65		0.65	08/16/2023 12:41	S23081547.D
1,4-Dichlorobenzene	106-46-7	<0.65		0.65	08/16/2023 12:41	S23081547.D
1,2-Dichlorobenzene	95-50-1	<0.65		0.65	08/16/2023 12:41	S23081547.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/16/2023 12:41	S23081547.D
Naphthalene	91-20-3	**1.92**		1.53	08/16/2023 12:41	S23081547.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/16/2023 12:41	S23081547.D
2-Methylnaphthalene	91-57-6	<1.61		1.61	08/16/2023 12:41	S23081547.D
∉ **TPH C4-C9**		**7,030**		416	08/16/2023 12:41	S23081547.D
∉ **TPH C10-C15**		**25,100**		356	08/16/2023 12:41	S23081547.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*104%*	*70-130*		*08/16/2023 20:49*	*C23081608.D*
Surrogate: 1,2-DCA-d4	17060-07-0	*70.9%*	*70-130*		*08/16/2023 12:41*	*S23081547.D*
Surrogate: Toluene-d8	2037-26-5	*95.1%*	*70-130*		*08/16/2023 20:49*	*C23081608.D*
Surrogate: Toluene-d8	2037-26-5	*97.8%*	*70-130*		*08/16/2023 12:41*	*S23081547.D*
Surrogate: Bromofluorobenzene	460-00-4	*108%*	*70-130*		*08/16/2023 12:41*	*S23081547.D*
Surrogate: Bromofluorobenzene	460-00-4	*129%*	*70-130*		*08/16/2023 20:49*	*C23081608.D*

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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1.410.838.8780

CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-70

PSG-63

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/16/2023 13:10	S23081548.D
1,1-Dichloroethene	75-35-4	**2.73**		1.49	08/16/2023 13:10	S23081548.D
Methylene Chloride	75-09-2	<1.41		1.41	08/16/2023 13:10	S23081548.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/16/2023 13:10	S23081548.D
trans-1,2-Dichloroethene	156-60-5	<1.12		1.12	08/16/2023 13:10	S23081548.D
Methyl-t-butyl ether	1634-04-4	<2.46		2.46	08/16/2023 13:10	S23081548.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/16/2023 13:10	S23081548.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/16/2023 13:10	S23081548.D
Chloroform	67-66-3	**2.56**		1.41	08/16/2023 13:10	S23081548.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/16/2023 13:10	S23081548.D
1,1,1-Trichloroethane	71-55-6	**1.15**		0.47	08/16/2023 13:10	S23081548.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/16/2023 13:10	S23081548.D
Benzene	71-43-2	**3.59**		2.32	08/16/2023 13:10	S23081548.D
Trichloroethene	79-01-6	**5.39**		1.49	08/16/2023 13:10	S23081548.D
1,4-Dioxane	123-91-1	**2.64**		1.20	08/16/2023 13:10	S23081548.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/16/2023 13:10	S23081548.D
Toluene	108-88-3	<3.08		3.08	08/16/2023 13:10	S23081548.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/16/2023 13:10	S23081548.D
Tetrachloroethene	127-18-4	**7.03**		1.20	08/16/2023 13:10	S23081548.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/16/2023 13:10	S23081548.D
Chlorobenzene	108-90-7	<0.58		0.58	08/16/2023 13:10	S23081548.D
Ethylbenzene	100-41-4	<1.45		1.45	08/16/2023 13:10	S23081548.D
p & m-Xylene	179601-23-1	**3.02**		1.40	08/16/2023 13:10	S23081548.D
o-Xylene	95-47-6	**1.67**		1.40	08/16/2023 13:10	S23081548.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/16/2023 13:10	S23081548.D
Isopropylbenzene	98-82-8	<1.48		1.48	08/16/2023 13:10	S23081548.D
1,3,5-Trimethylbenzene	108-67-8	<1.48		1.48	08/16/2023 13:10	S23081548.D
1,2,4-Trimethylbenzene	95-63-6	<1.48		1.48	08/16/2023 13:10	S23081548.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/16/2023 13:10	S23081548.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/16/2023 13:10	S23081548.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/16/2023 13:10	S23081548.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/16/2023 13:10	S23081548.D
Naphthalene	91-20-3	<1.54		1.54	08/16/2023 13:10	S23081548.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/16/2023 13:10	S23081548.D
2-Methylnaphthalene	91-57-6	<1.62		1.62	08/16/2023 13:10	S23081548.D
∉ TPH C4-C9		<417		417	08/16/2023 13:10	S23081548.D
∉ **TPH C10-C15**		**1,080**		357	08/16/2023 13:10	S23081548.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*86.4%*	*70-130*		*08/16/2023 13:10*	*S23081548.D*
Surrogate: Toluene-d8	2037-26-5	*95.4%*	*70-130*		*08/16/2023 13:10*	*S23081548.D*
Surrogate: Bromofluorobenzene	460-00-4	*106%*	*70-130*		*08/16/2023 13:10*	*S23081548.D*

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Lab Sample ID: 0007137-71

PSG-64

Soil Gas

Method: EPA 8260C

Analyte	CAS#	Result (µg/m³)	Q	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.61		0.61	08/16/2023 13:39	S23081549.D
1,1-Dichloroethene	75-35-4	<1.49		1.49	08/16/2023 13:39	S23081549.D
Methylene Chloride	75-09-2	<1.41		1.41	08/16/2023 13:39	S23081549.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55		0.55	08/16/2023 13:39	S23081549.D
trans-1,2-Dichloroethene	156-60-5	<1.12		1.12	08/16/2023 13:39	S23081549.D
Methyl-t-butyl ether	1634-04-4	<2.46		2.46	08/16/2023 13:39	S23081549.D
1,1-Dichloroethane	75-34-3	<0.58		0.58	08/16/2023 13:39	S23081549.D
cis-1,2-Dichloroethene	156-59-2	<0.93		0.93	08/16/2023 13:39	S23081549.D
Chloroform	67-66-3	<1.41		1.41	08/16/2023 13:39	S23081549.D
1,2-Dichloroethane	107-06-2	<0.88		0.88	08/16/2023 13:39	S23081549.D
1,1,1-Trichloroethane	71-55-6	<0.47		0.47	08/16/2023 13:39	S23081549.D
Carbon Tetrachloride	56-23-5	<1.14		1.14	08/16/2023 13:39	S23081549.D
Benzene	71-43-2	<2.32		2.32	08/16/2023 13:39	S23081549.D
Trichloroethene	79-01-6	<1.49		1.49	08/16/2023 13:39	S23081549.D
1,4-Dioxane	123-91-1	<1.20		1.20	08/16/2023 13:39	S23081549.D
1,1,2-Trichloroethane	79-00-5	<1.49		1.49	08/16/2023 13:39	S23081549.D
Toluene	108-88-3	<3.08		3.08	08/16/2023 13:39	S23081549.D
1,2-Dibromoethane (EDB)	106-93-4	<0.63		0.63	08/16/2023 13:39	S23081549.D
Tetrachloroethene	127-18-4	**1.28**		1.20	08/16/2023 13:39	S23081549.D
1,1,1,2-Tetrachloroethane	630-20-6	<1.20		1.20	08/16/2023 13:39	S23081549.D
Chlorobenzene	108-90-7	<0.58		0.58	08/16/2023 13:39	S23081549.D
Ethylbenzene	100-41-4	<1.45		1.45	08/16/2023 13:39	S23081549.D
p & m-Xylene	179601-23-1	<1.40		1.40	08/16/2023 13:39	S23081549.D
o-Xylene	95-47-6	<1.40		1.40	08/16/2023 13:39	S23081549.D
1,2,3-Trichloropropane	96-18-4	<0.66		0.66	08/16/2023 13:39	S23081549.D
Isopropylbenzene	98-82-8	<1.48		1.48	08/16/2023 13:39	S23081549.D
1,3,5-Trimethylbenzene	108-67-8	<1.48		1.48	08/16/2023 13:39	S23081549.D
1,2,4-Trimethylbenzene	95-63-6	<1.48		1.48	08/16/2023 13:39	S23081549.D
1,3-Dichlorobenzene	541-73-1	<0.66		0.66	08/16/2023 13:39	S23081549.D
1,4-Dichlorobenzene	106-46-7	<0.66		0.66	08/16/2023 13:39	S23081549.D
1,2-Dichlorobenzene	95-50-1	<0.66		0.66	08/16/2023 13:39	S23081549.D
1,2,4-Trichlorobenzene	120-82-1	<1.26		1.26	08/16/2023 13:39	S23081549.D
Naphthalene	91-20-3	<1.54		1.54	08/16/2023 13:39	S23081549.D
1,2,3-Trichlorobenzene	87-61-6	<1.26		1.26	08/16/2023 13:39	S23081549.D
2-Methylnaphthalene	91-57-6	<1.62		1.62	08/16/2023 13:39	S23081549.D
∉ TPH C4-C9		<417		417	08/16/2023 13:39	S23081549.D
∉ **TPH C10-C15**		**758**		357	08/16/2023 13:39	S23081549.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*76.8%*	*70-130*		*08/16/2023 13:39*	*S23081549.D*
Surrogate: Toluene-d8	2037-26-5	*94.5%*	*70-130*		*08/16/2023 13:39*	*S23081549.D*
Surrogate: Bromofluorobenzene	460-00-4	*104%*	*70-130*		*08/16/2023 13:39*	*S23081549.D*

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

QC Information/Summary

2203A Commerce Road, Suite 1
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1.410.838.8780

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B23H017 - Instrument: C System - File ID: C23080219.D

B23H017-ICV1 (LCSD/Second Source Verification/CALV)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	51.1	10	ng	50.0		102	70-130			
1,1-Dichloroethene	52.5	10	ng	50.0		105	70-130			
Methylene Chloride	49.6	10	ng	50.0		99.2	70-130			
1,1,2-Trichlorotrifluoroethane (Fr.113)	49.9	10	ng	50.0		99.8	70-130			
trans-1,2-Dichloroethene	53.9	10	ng	50.0		108	70-130			
Methyl-t-butyl ether	46.1	25	ng	50.0		92.3	70-130			
1,1-Dichloroethane	52.1	10	ng	50.0		104	70-130			
cis-1,2-Dichloroethene	54.1	10	ng	50.0		108	70-130			
Chloroform	58.7	10	ng	50.0		117	70-130			
1,2-Dichloroethane	48.7	10	ng	50.0		97.4	70-130			
1,1,1-Trichloroethane	50.7	10	ng	50.0		101	70-130			
Carbon Tetrachloride	51.7	10	ng	50.0		103	70-130			
Benzene	56.8	25	ng	50.0		114	70-130			
Trichloroethene	57.0	10	ng	50.0		114	70-130			
1,4-Dioxane	47.6	10	ng	50.0		95.2	70-130			
1,1,2-Trichloroethane	51.4	10	ng	50.0		103	70-130			
Toluene	57.8	25	ng	50.0		116	70-130			
1,2-Dibromoethane (EDB)	50.6	5	ng	50.0		101	70-130			
Tetrachloroethene	60.2	10	ng	50.0		120	70-130			
1,1,1,2-Tetrachloroethane	53.1	10	ng	50.0		106	70-130			
Chlorobenzene	50.4	10	ng	50.0		101	70-130			
Ethylbenzene	51.9	25	ng	50.0		104	70-130			
p & m-Xylene	51.7	25	ng	50.0		103	70-130			
o-Xylene	52.2	25	ng	50.0		104	70-130			
1,2,3-Trichloropropane	51.6	10	ng	50.0		103	70-130			
Isopropylbenzene	47.1	25	ng	50.0		94.1	70-130			
1,3,5-Trimethylbenzene	47.9	25	ng	50.0		95.7	70-130			
1,2,4-Trimethylbenzene	47.9	25	ng	50.0		95.9	70-130			
1,3-Dichlorobenzene	50.9	10	ng	50.0		102	70-130			
1,4-Dichlorobenzene	49.8	10	ng	50.0		99.7	70-130			
1,2-Dichlorobenzene	47.8	10	ng	50.0		95.6	70-130			
1,2,4-Trichlorobenzene	50.7	10	ng	50.0		101	70-130			
Naphthalene	43.6	25	ng	50.0		87.2	70-130			
1,2,3-Trichlorobenzene	51.2	10	ng	50.0		102	70-130			
2-Methylnaphthalene	37.3	25	ng	50.0		74.5	70-130			
Surrogate: 1,2-DCA-d4	*57.4*		*ng*	50.0		*115*	*70-130*			
Surrogate: Toluene-d8	*57.7*		*ng*	50.0		*115*	*70-130*			
Surrogate: Bromofluorobenzene	*53.8*		*ng*	50.0		*108*	*70-130*			

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B23H017 - Instrument: C System - File ID: C23080220.D

B23H017-ICB1 (Lab Blank/Initial Calibration Blank)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	<5	10	ng							U
1,1-Dichloroethene	<5	10	ng							U
Methylene Chloride	<5	10	ng							U
1,1,2-Trichlorotrifluoroethane (Fr.113)	<5	10	ng							U
trans-1,2-Dichloroethene	<5	10	ng							U
Methyl-t-butyl ether	<10	25	ng							U
1,1-Dichloroethane	<5	10	ng							U
cis-1,2-Dichloroethene	<5	10	ng							U
Chloroform	<5	10	ng							U
1,2-Dichloroethane	<5	10	ng							U
1,1,1-Trichloroethane	<5	10	ng							U
Carbon Tetrachloride	<5	10	ng							U
Benzene	<10	25	ng							U
Trichloroethene	5.7	10	ng							
1,4-Dioxane	<5	10	ng							U
1,1,2-Trichloroethane	<5	10	ng							U
Toluene	<10	25	ng							U
1,2-Dibromoethane (EDB)	<2.5	5	ng							U
Tetrachloroethene	5.6	10	ng							
1,1,1,2-Tetrachloroethane	<5	10	ng							U
Chlorobenzene	<5	10	ng							U
Ethylbenzene	<10	25	ng							U
p & m-Xylene	<10	25	ng							U
o-Xylene	<10	25	ng							U
1,2,3-Trichloropropane	<5	10	ng							U
Isopropylbenzene	<10	25	ng							U
1,3,5-Trimethylbenzene	<10	25	ng							U
1,2,4-Trimethylbenzene	<10	25	ng							U
1,3-Dichlorobenzene	<5	10	ng							U
1,4-Dichlorobenzene	<5	10	ng							U
1,2-Dichlorobenzene	<5	10	ng							U
1,2,4-Trichlorobenzene	<5	10	ng							U
Naphthalene	<10	25	ng							U
1,2,3-Trichlorobenzene	<5	10	ng							U
2-Methylnaphthalene	<10	25	ng							U
Surrogate: 1,2-DCA-d4	*106*		*ng*	100		*106*	*70-130*			
Surrogate: Toluene-d8	*104*		*ng*	100		*104*	*70-130*			
Surrogate: Bromofluorobenzene	*92.2*		*ng*	100		*92.2*	*70-130*			

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B23H003 - Instrument: S System - File ID: S23073120.D

B23H003-ICB1 (Lab Blank/Initial Calibration Blank)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	<5	10	ng							U
1,1-Dichloroethene	<5	10	ng							U
Methylene Chloride	<5	10	ng							U
1,1,2-Trichlorotrifluoroethane (Fr.113)	<5	10	ng							U
trans-1,2-Dichloroethene	<5	10	ng							U
Methyl-t-butyl ether	<10	25	ng							U
1,1-Dichloroethane	<5	10	ng							U
cis-1,2-Dichloroethene	<5	10	ng							U
Chloroform	<5	10	ng							U
1,2-Dichloroethane	<5	10	ng							U
1,1,1-Trichloroethane	<5	10	ng							U
Carbon Tetrachloride	<5	10	ng							U
Benzene	<10	25	ng							U
Trichloroethene	<5	10	ng							U
1,4-Dioxane	<5	10	ng							U
1,1,2-Trichloroethane	<5	10	ng							U
Toluene	<10	25	ng							U
1,2-Dibromoethane (EDB)	<2.5	5	ng							U
Tetrachloroethene	<5	10	ng							U
1,1,1,2-Tetrachloroethane	<5	10	ng							U
Chlorobenzene	<5	10	ng							U
Ethylbenzene	<10	25	ng							U
p & m-Xylene	<10	25	ng							U
o-Xylene	<10	25	ng							U
1,2,3-Trichloropropane	<5	10	ng							U
Isopropylbenzene	<10	25	ng							U
1,3,5-Trimethylbenzene	<10	25	ng							U
1,2,4-Trimethylbenzene	<10	25	ng							U
1,3-Dichlorobenzene	<5	10	ng							U
1,4-Dichlorobenzene	<5	10	ng							U
1,2-Dichlorobenzene	<5	10	ng							U
1,2,4-Trichlorobenzene	<5	10	ng							U
Naphthalene	<10	25	ng							U
1,2,3-Trichlorobenzene	<5	10	ng							U
2-Methylnaphthalene	<10	25	ng							U
Surrogate: 1,2-DCA-d4	*102*		*ng*	100		*102*	*70-130*			
Surrogate: Toluene-d8	*105*		*ng*	100		*105*	*70-130*			
Surrogate: Bromofluorobenzene	*83.7*		*ng*	100		*83.7*	*70-130*			

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B23H003 - Instrument: S System - File ID: S23073132.D

B23H003-ICV1 (LCSD/Second Source Verification/CALV)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	57.3	10	ng	50.0		115	70-130			
1,1-Dichloroethene	48.1	10	ng	50.0		96.2	70-130			
Methylene Chloride	50.1	10	ng	50.0		100	70-130			
1,1,2-Trichlorotrifluoroethane (Fr.113)	52.3	10	ng	50.0		105	70-130			
trans-1,2-Dichloroethene	50.4	10	ng	50.0		101	70-130			
Methyl-t-butyl ether	47.0	25	ng	50.0		94.1	70-130			
1,1-Dichloroethane	50.2	10	ng	50.0		100	70-130			
cis-1,2-Dichloroethene	48.7	10	ng	50.0		97.4	70-130			
Chloroform	52.4	10	ng	50.0		105	70-130			
1,2-Dichloroethane	50.5	10	ng	50.0		101	70-130			
1,1,1-Trichloroethane	51.2	10	ng	50.0		102	70-130			
Carbon Tetrachloride	53.3	10	ng	50.0		107	70-130			
Benzene	49.0	25	ng	50.0		98.1	70-130			
Trichloroethene	50.6	10	ng	50.0		101	70-130			
1,4-Dioxane	47.6	10	ng	50.0		95.2	70-130			
1,1,2-Trichloroethane	50.1	10	ng	50.0		100	70-130			
Toluene	47.8	25	ng	50.0		95.6	70-130			
1,2-Dibromoethane (EDB)	50.8	5	ng	50.0		102	70-130			
Tetrachloroethene	51.6	10	ng	50.0		103	70-130			
1,1,1,2-Tetrachloroethane	51.4	10	ng	50.0		103	70-130			
Chlorobenzene	48.7	10	ng	50.0		97.4	70-130			
Ethylbenzene	46.2	25	ng	50.0		92.3	70-130			
p & m-Xylene	46.8	25	ng	50.0		93.5	70-130			
o-Xylene	46.9	25	ng	50.0		93.7	70-130			
1,2,3-Trichloropropane	50.3	10	ng	50.0		101	70-130			
Isopropylbenzene	46.2	25	ng	50.0		92.4	70-130			
1,3,5-Trimethylbenzene	47.8	25	ng	50.0		95.6	70-130			
1,2,4-Trimethylbenzene	48.4	25	ng	50.0		96.7	70-130			
1,3-Dichlorobenzene	50.0	10	ng	50.0		99.9	70-130			
1,4-Dichlorobenzene	47.5	10	ng	50.0		94.9	70-130			
1,2-Dichlorobenzene	50.1	10	ng	50.0		100	70-130			
1,2,4-Trichlorobenzene	47.1	10	ng	50.0		94.2	70-130			
Naphthalene	45.9	25	ng	50.0		91.9	70-130			
1,2,3-Trichlorobenzene	50.1	10	ng	50.0		100	70-130			
2-Methylnaphthalene	44.9	25	ng	50.0		89.7	70-130			
Surrogate: 1,2-DCA-d4	*52.9*		*ng*	50.0		*106*	*70-130*			
Surrogate: Toluene-d8	*50.1*		*ng*	50.0		*100*	*70-130*			
Surrogate: Bromofluorobenzene	*45.0*		*ng*	50.0		*89.9*	*70-130*			

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B23H061 - Batch: 23H0044 - Instrument: C System - File ID: C23081602.D

23H0044-BS1 (LCS, Calibration Source Verification)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	56.3	10	ng	50.0		113	80-120			
1,1-Dichloroethene	44.9	10	ng	50.0		89.7	80-120			
Methylene Chloride	45.9	10	ng	50.0		91.8	80-120			
1,1,2-Trichlorotrifluoroethane (Fr.113)	47.5	10	ng	50.0		95.0	80-120			
trans-1,2-Dichloroethene	48.5	10	ng	50.0		97.0	80-120			
Methyl-t-butyl ether	46.7	25	ng	50.0		93.4	80-120			
1,1-Dichloroethane	48.4	10	ng	50.0		96.8	80-120			
cis-1,2-Dichloroethene	47.8	10	ng	50.0		95.5	80-120			
Chloroform	49.6	10	ng	50.0		99.2	80-120			
1,2-Dichloroethane	49.9	10	ng	50.0		99.8	80-120			
1,1,1-Trichloroethane	50.5	10	ng	50.0		101	80-120			
Carbon Tetrachloride	51.6	10	ng	50.0		103	80-120			
Benzene	49.2	25	ng	50.0		98.4	80-120			
Trichloroethene	47.0	10	ng	50.0		94.1	80-120			
1,4-Dioxane	49.0	10	ng	50.0		97.9	80-120			
1,1,2-Trichloroethane	48.9	10	ng	50.0		97.7	80-120			
Toluene	48.1	25	ng	50.0		96.3	80-120			
1,2-Dibromoethane (EDB)	48.2	5	ng	50.0		96.5	80-120			
Tetrachloroethene	45.5	10	ng	50.0		90.9	80-120			
1,1,1,2-Tetrachloroethane	50.3	10	ng	50.0		101	80-120			
Chlorobenzene	48.0	10	ng	50.0		95.9	80-120			
Ethylbenzene	45.7	25	ng	50.0		91.4	80-120			
p & m-Xylene	44.1	25	ng	50.0		88.3	80-120			
o-Xylene	45.5	25	ng	50.0		91.0	80-120			
1,2,3-Trichloropropane	49.8	10	ng	50.0		99.7	80-120			
Isopropylbenzene	48.9	25	ng	50.0		97.8	80-120			
1,3,5-Trimethylbenzene	46.9	25	ng	50.0		93.9	80-120			
1,2,4-Trimethylbenzene	48.3	25	ng	50.0		96.6	80-120			
1,3-Dichlorobenzene	47.8	10	ng	50.0		95.6	80-120			
1,4-Dichlorobenzene	49.2	10	ng	50.0		98.4	80-120			
1,2-Dichlorobenzene	47.9	10	ng	50.0		95.8	80-120			
1,2,4-Trichlorobenzene	51.6	10	ng	50.0		103	80-120			
Naphthalene	46.3	25	ng	50.0		92.5	80-120			
1,2,3-Trichlorobenzene	50.4	10	ng	50.0		101	80-120			
2-Methylnaphthalene	42.5	25	ng	50.0		85.1	80-120			
Surrogate: 1,2-DCA-d4	*53.0*		*ng*	50.0		*106*	*70-130*			
Surrogate: Toluene-d8	*50.8*		*ng*	50.0		*102*	*70-130*			
Surrogate: Bromofluorobenzene	*50.2*		*ng*	50.0		*100*	*70-130*			

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Soil-Gas Analysis by EPA 8260 - Data in Concentration - Quality Control Summary

Sequence: B23H061 - Batch: 23H0044 - Instrument: C System - File ID: C23081603.D

23H0044-BLK1 (Lab Blank)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	<0.564	0.564	µg/m³							U
1,1-Dichloroethene	<1.38	1.38	µg/m³							U
Methylene Chloride	<1.31	1.31	µg/m³							U
1,1,2-Trichlorotrifluoroethane (Fr.113)	<0.514	0.514	µg/m³							U
trans-1,2-Dichloroethene	<1.04	1.04	µg/m³							U
Methyl-t-butyl ether	<2.29	2.29	µg/m³							U
1,1-Dichloroethane	<0.538	0.538	µg/m³							U
cis-1,2-Dichloroethene	<0.862	0.862	µg/m³							U
Chloroform	<1.31	1.31	µg/m³							U
1,2-Dichloroethane	<0.816	0.816	µg/m³							U
1,1,1-Trichloroethane	<0.435	0.435	µg/m³							U
Carbon Tetrachloride	<1.06	1.06	µg/m³							U
Benzene	<2.16	2.16	µg/m³							U
Trichloroethene	<1.38	1.38	µg/m³							U
1,4-Dioxane	<1.11	1.11	µg/m³							U
1,1,2-Trichloroethane	<1.38	1.38	µg/m³							U
Toluene	<2.86	2.86	µg/m³							U
1,2-Dibromoethane (EDB)	<0.586	0.586	µg/m³							U
Tetrachloroethene	<1.11	1.11	µg/m³							U
1,1,1,2-Tetrachloroethane	<1.11	1.11	µg/m³							U
Chlorobenzene	<0.538	0.538	µg/m³							U
Ethylbenzene	<1.34	1.34	µg/m³							U
p & m-Xylene	<1.30	1.30	µg/m³							U
o-Xylene	<1.30	1.30	µg/m³							U
1,2,3-Trichloropropane	<0.609	0.609	µg/m³							U
Isopropylbenzene	<1.38	1.38	µg/m³							U
1,3,5-Trimethylbenzene	<1.38	1.38	µg/m³							U
1,2,4-Trimethylbenzene	<1.38	1.38	µg/m³							U
1,3-Dichlorobenzene	<0.609	0.609	µg/m³							U
1,4-Dichlorobenzene	<0.609	0.609	µg/m³							U
1,2-Dichlorobenzene	<0.609	0.609	µg/m³							U
1,2,4-Trichlorobenzene	<1.17	1.17	µg/m³							U
Naphthalene	<1.43	1.43	µg/m³							U
1,2,3-Trichlorobenzene	<1.17	1.17	µg/m³							U
2-Methylnaphthalene	<1.50	1.50	µg/m³							U
Surrogate: 1,2-DCA-d4	*106*		*ng*	100		*106*	*70-130*			
Surrogate: Toluene-d8	*100*		*ng*	100		*100*	*70-130*			
Surrogate: Bromofluorobenzene	*98.5*		*ng*	100		*98.5*	*70-130*			

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B23H061 - Batch: 23H0044 - Instrument: C System - File ID: C23081603.D

23H0044-BLK1 (Lab Blank)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	<5	10	ng							U
1,1-Dichloroethene	<5	10	ng							U
Methylene Chloride	<5	10	ng							U
1,1,2-Trichlorotrifluoroethane (Fr.113)	<5	10	ng							U
trans-1,2-Dichloroethene	<5	10	ng							U
Methyl-t-butyl ether	<10	25	ng							U
1,1-Dichloroethane	<5	10	ng							U
cis-1,2-Dichloroethene	<5	10	ng							U
Chloroform	<5	10	ng							U
1,2-Dichloroethane	<5	10	ng							U
1,1,1-Trichloroethane	<5	10	ng							U
Carbon Tetrachloride	<5	10	ng							U
Benzene	<10	25	ng							U
Trichloroethene	<5	10	ng							U
1,4-Dioxane	<5	10	ng							U
1,1,2-Trichloroethane	<5	10	ng							U
Toluene	<10	25	ng							U
1,2-Dibromoethane (EDB)	<3	5	ng							U
Tetrachloroethene	<5	10	ng							U
1,1,1,2-Tetrachloroethane	<5	10	ng							U
Chlorobenzene	<5	10	ng							U
Ethylbenzene	<10	25	ng							U
p & m-Xylene	<10	25	ng							U
o-Xylene	<10	25	ng							U
1,2,3-Trichloropropane	<5	10	ng							U
Isopropylbenzene	<10	25	ng							U
1,3,5-Trimethylbenzene	<10	25	ng							U
1,2,4-Trimethylbenzene	<10	25	ng							U
1,3-Dichlorobenzene	<5	10	ng							U
1,4-Dichlorobenzene	<5	10	ng							U
1,2-Dichlorobenzene	<5	10	ng							U
1,2,4-Trichlorobenzene	<5	10	ng							U
Naphthalene	<10	25	ng							U
1,2,3-Trichlorobenzene	<5	10	ng							U
2-Methylnaphthalene	<10	25	ng							U
Surrogate: 1,2-DCA-d4	*106*		*ng*	100		*106*	*70-130*			
Surrogate: Toluene-d8	*100*		*ng*	100		*100*	*70-130*			
Surrogate: Bromofluorobenzene	*98.5*		*ng*	100		*98.5*	*70-130*			

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B23H061 - Instrument: C System - File ID: C23081604.D

B23H061-ICV1 (LCSD/Second Source Verification/CALV)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	52.4	10	ng	50.0		105	70-130			
1,1-Dichloroethene	45.7	10	ng	50.0		91.3	70-130			
Methylene Chloride	47.4	10	ng	50.0		94.7	70-130			
1,1,2-Trichlorotrifluoroethane (Fr.113)	45.9	10	ng	50.0		91.8	70-130			
trans-1,2-Dichloroethene	48.5	10	ng	50.0		97.0	70-130			
Methyl-t-butyl ether	44.7	25	ng	50.0		89.5	70-130			
1,1-Dichloroethane	48.8	10	ng	50.0		97.6	70-130			
cis-1,2-Dichloroethene	48.3	10	ng	50.0		96.6	70-130			
Chloroform	51.9	10	ng	50.0		104	70-130			
1,2-Dichloroethane	52.0	10	ng	50.0		104	70-130			
1,1,1-Trichloroethane	52.2	10	ng	50.0		104	70-130			
Carbon Tetrachloride	52.2	10	ng	50.0		104	70-130			
Benzene	50.5	25	ng	50.0		101	70-130			
Trichloroethene	47.8	10	ng	50.0		95.5	70-130			
1,4-Dioxane	45.6	10	ng	50.0		91.2	70-130			
1,1,2-Trichloroethane	47.8	10	ng	50.0		95.6	70-130			
Toluene	49.3	25	ng	50.0		98.6	70-130			
1,2-Dibromoethane (EDB)	48.6	5	ng	50.0		97.1	70-130			
Tetrachloroethene	47.8	10	ng	50.0		95.6	70-130			
1,1,1,2-Tetrachloroethane	51.6	10	ng	50.0		103	70-130			
Chlorobenzene	49.7	10	ng	50.0		99.4	70-130			
Ethylbenzene	46.9	25	ng	50.0		93.9	70-130			
p & m-Xylene	46.8	25	ng	50.0		93.5	70-130			
o-Xylene	46.8	25	ng	50.0		93.6	70-130			
1,2,3-Trichloropropane	52.4	10	ng	50.0		105	70-130			
Isopropylbenzene	50.1	25	ng	50.0		100	70-130			
1,3,5-Trimethylbenzene	46.6	25	ng	50.0		93.2	70-130			
1,2,4-Trimethylbenzene	45.7	25	ng	50.0		91.4	70-130			
1,3-Dichlorobenzene	48.4	10	ng	50.0		96.8	70-130			
1,4-Dichlorobenzene	47.9	10	ng	50.0		95.9	70-130			
1,2-Dichlorobenzene	46.9	10	ng	50.0		93.8	70-130			
1,2,4-Trichlorobenzene	50.7	10	ng	50.0		101	70-130			
Naphthalene	44.6	25	ng	50.0		89.2	70-130			
1,2,3-Trichlorobenzene	49.5	10	ng	50.0		99.0	70-130			
2-Methylnaphthalene	40.0	25	ng	50.0		79.9	70-130			
Surrogate: 1,2-DCA-d4	*51.7*		*ng*	50.0		*103*	*70-130*			
Surrogate: Toluene-d8	*49.2*		*ng*	50.0		*98.4*	*70-130*			
Surrogate: Bromofluorobenzene	*48.4*		*ng*	50.0		*96.7*	*70-130*			

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B23H053 - Batch: 23H0037 - Instrument: S System - File ID: S23081402.D

23H0037-BS1 (LCS, Calibration Source Verification)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	56.2	10	ng	50.0		112	80-120			
1,1-Dichloroethene	51.1	10	ng	50.0		102	80-120			
Methylene Chloride	51.5	10	ng	50.0		103	80-120			
1,1,2-Trichlorotrifluoroethane (Fr.113)	53.0	10	ng	50.0		106	80-120			
trans-1,2-Dichloroethene	53.2	10	ng	50.0		106	80-120			
Methyl-t-butyl ether	45.1	25	ng	50.0		90.2	80-120			
1,1-Dichloroethane	48.6	10	ng	50.0		97.2	80-120			
cis-1,2-Dichloroethene	50.5	10	ng	50.0		101	80-120			
Chloroform	53.1	10	ng	50.0		106	80-120			
1,2-Dichloroethane	49.8	10	ng	50.0		99.7	80-120			
1,1,1-Trichloroethane	52.7	10	ng	50.0		105	80-120			
Carbon Tetrachloride	58.0	10	ng	50.0		116	80-120			
Benzene	48.2	25	ng	50.0		96.3	80-120			
Trichloroethene	48.3	10	ng	50.0		96.5	80-120			
1,4-Dioxane	44.3	10	ng	50.0		88.7	80-120			
1,1,2-Trichloroethane	50.3	10	ng	50.0		101	80-120			
Toluene	46.5	25	ng	50.0		93.1	80-120			
1,2-Dibromoethane (EDB)	52.9	5	ng	50.0		106	80-120			
Tetrachloroethene	51.4	10	ng	50.0		103	80-120			
1,1,1,2-Tetrachloroethane	58.8	10	ng	50.0		118	80-120			
Chlorobenzene	49.1	10	ng	50.0		98.1	80-120			
Ethylbenzene	43.3	25	ng	50.0		86.5	80-120			
p & m-Xylene	43.0	25	ng	50.0		86.1	80-120			
o-Xylene	42.7	25	ng	50.0		85.5	80-120			
1,2,3-Trichloropropane	50.2	10	ng	50.0		100	80-120			
Isopropylbenzene	42.6	25	ng	50.0		85.3	80-120			
1,3,5-Trimethylbenzene	49.9	25	ng	50.0		99.9	80-120			
1,2,4-Trimethylbenzene	55.0	25	ng	50.0		110	80-120			
1,3-Dichlorobenzene	59.1	10	ng	50.0		118	80-120			
1,4-Dichlorobenzene	57.1	10	ng	50.0		114	80-120			
1,2-Dichlorobenzene	57.8	10	ng	50.0		116	80-120			
1,2,4-Trichlorobenzene	50.5	10	ng	50.0		101	80-120			
Naphthalene	43.2	25	ng	50.0		86.4	80-120			
1,2,3-Trichlorobenzene	53.0	10	ng	50.0		106	80-120			
2-Methylnaphthalene	42.7	25	ng	50.0		85.3	80-120			
Surrogate: 1,2-DCA-d4	*52.4*		*ng*	50.0		*105*	*70-130*			
Surrogate: Toluene-d8	*48.4*		*ng*	50.0		*96.8*	*70-130*			
Surrogate: Bromofluorobenzene	*48.1*		*ng*	50.0		*96.2*	*70-130*			

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Soil-Gas Analysis by EPA 8260 - Data in Concentration - Quality Control Summary

Sequence: B23H053 - Batch: 23H0037 - Instrument: S System - File ID: S23081403.D

23H0037-BLK1 (Lab Blank)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	<0.564	0.564	µg/m³							U
1,1-Dichloroethene	<1.38	1.38	µg/m³							U
Methylene Chloride	<1.31	1.31	µg/m³							U
1,1,2-Trichlorotrifluoroethane (Fr.113)	<0.514	0.514	µg/m³							U
trans-1,2-Dichloroethene	<1.04	1.04	µg/m³							U
Methyl-t-butyl ether	<2.29	2.29	µg/m³							U
1,1-Dichloroethane	<0.538	0.538	µg/m³							U
cis-1,2-Dichloroethene	<0.862	0.862	µg/m³							U
Chloroform	<1.31	1.31	µg/m³							U
1,2-Dichloroethane	<0.816	0.816	µg/m³							U
1,1,1-Trichloroethane	<0.435	0.435	µg/m³							U
Carbon Tetrachloride	<1.06	1.06	µg/m³							U
Benzene	<2.16	2.16	µg/m³							U
Trichloroethene	<1.38	1.38	µg/m³							U
1,4-Dioxane	<1.11	1.11	µg/m³							U
1,1,2-Trichloroethane	<1.38	1.38	µg/m³							U
Toluene	<2.86	2.86	µg/m³							U
1,2-Dibromoethane (EDB)	<0.586	0.586	µg/m³							U
Tetrachloroethene	<1.11	1.11	µg/m³							U
1,1,1,2-Tetrachloroethane	<1.11	1.11	µg/m³							U
Chlorobenzene	<0.538	0.538	µg/m³							U
Ethylbenzene	<1.34	1.34	µg/m³							U
p & m-Xylene	<1.30	1.30	µg/m³							U
o-Xylene	<1.30	1.30	µg/m³							U
1,2,3-Trichloropropane	<0.609	0.609	µg/m³							U
Isopropylbenzene	<1.38	1.38	µg/m³							U
1,3,5-Trimethylbenzene	<1.38	1.38	µg/m³							U
1,2,4-Trimethylbenzene	<1.38	1.38	µg/m³							U
1,3-Dichlorobenzene	<0.609	0.609	µg/m³							U
1,4-Dichlorobenzene	<0.609	0.609	µg/m³							U
1,2-Dichlorobenzene	<0.609	0.609	µg/m³							U
1,2,4-Trichlorobenzene	<1.17	1.17	µg/m³							U
Naphthalene	<1.43	1.43	µg/m³							U
1,2,3-Trichlorobenzene	<1.17	1.17	µg/m³							U
2-Methylnaphthalene	<1.50	1.50	µg/m³							U
Surrogate: 1,2-DCA-d4	*109*		*ng*	100		*109*	*70-130*			
Surrogate: Toluene-d8	*101*		*ng*	100		*101*	*70-130*			
Surrogate: Bromofluorobenzene	*83.3*		*ng*	100		*83.3*	*70-130*			

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B23H053 - Batch: 23H0037 - Instrument: S System - File ID: S23081403.D

23H0037-BLK1 (Lab Blank)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	<5	10	ng							U
1,1-Dichloroethene	<5	10	ng							U
Methylene Chloride	<5	10	ng							U
1,1,2-Trichlorotrifluoroethane (Fr.113)	<5	10	ng							U
trans-1,2-Dichloroethene	<5	10	ng							U
Methyl-t-butyl ether	<10	25	ng							U
1,1-Dichloroethane	<5	10	ng							U
cis-1,2-Dichloroethene	<5	10	ng							U
Chloroform	<5	10	ng							U
1,2-Dichloroethane	<5	10	ng							U
1,1,1-Trichloroethane	<5	10	ng							U
Carbon Tetrachloride	<5	10	ng							U
Benzene	<10	25	ng							U
Trichloroethene	<5	10	ng							U
1,4-Dioxane	<5	10	ng							U
1,1,2-Trichloroethane	<5	10	ng							U
Toluene	<10	25	ng							U
1,2-Dibromoethane (EDB)	<3	5	ng							U
Tetrachloroethene	<5	10	ng							U
1,1,1,2-Tetrachloroethane	<5	10	ng							U
Chlorobenzene	<5	10	ng							U
Ethylbenzene	<10	25	ng							U
p & m-Xylene	<10	25	ng							U
o-Xylene	<10	25	ng							U
1,2,3-Trichloropropane	<5	10	ng							U
Isopropylbenzene	<10	25	ng							U
1,3,5-Trimethylbenzene	<10	25	ng							U
1,2,4-Trimethylbenzene	<10	25	ng							U
1,3-Dichlorobenzene	<5	10	ng							U
1,4-Dichlorobenzene	<5	10	ng							U
1,2-Dichlorobenzene	<5	10	ng							U
1,2,4-Trichlorobenzene	<5	10	ng							U
Naphthalene	<10	25	ng							U
1,2,3-Trichlorobenzene	<5	10	ng							U
2-Methylnaphthalene	<10	25	ng							U
Surrogate: 1,2-DCA-d4	*109*		*ng*	100		*109*	*70-130*			
Surrogate: Toluene-d8	*101*		*ng*	100		*101*	*70-130*			
Surrogate: Bromofluorobenzene	*83.3*		*ng*	100		*83.3*	*70-130*			

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B23H053 - Instrument: S System - File ID: S23081404.D

B23H053-ICV1 (LCSD/Second Source Verification/CALV)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	53.8	10	ng	50.0		108	70-130			
1,1-Dichloroethene	52.3	10	ng	50.0		105	70-130			
Methylene Chloride	53.1	10	ng	50.0		106	70-130			
1,1,2-Trichlorotrifluoroethane (Fr.113)	52.9	10	ng	50.0		106	70-130			
trans-1,2-Dichloroethene	52.0	10	ng	50.0		104	70-130			
Methyl-t-butyl ether	43.5	25	ng	50.0		87.0	70-130			
1,1-Dichloroethane	50.2	10	ng	50.0		100	70-130			
cis-1,2-Dichloroethene	51.1	10	ng	50.0		102	70-130			
Chloroform	55.3	10	ng	50.0		111	70-130			
1,2-Dichloroethane	51.2	10	ng	50.0		102	70-130			
1,1,1-Trichloroethane	54.2	10	ng	50.0		108	70-130			
Carbon Tetrachloride	59.7	10	ng	50.0		119	70-130			
Benzene	48.6	25	ng	50.0		97.3	70-130			
Trichloroethene	49.2	10	ng	50.0		98.3	70-130			
1,4-Dioxane	44.8	10	ng	50.0		89.5	70-130			
1,1,2-Trichloroethane	52.6	10	ng	50.0		105	70-130			
Toluene	47.6	25	ng	50.0		95.3	70-130			
1,2-Dibromoethane (EDB)	54.8	5	ng	50.0		110	70-130			
Tetrachloroethene	53.2	10	ng	50.0		106	70-130			
1,1,1,2-Tetrachloroethane	59.9	10	ng	50.0		120	70-130			
Chlorobenzene	50.4	10	ng	50.0		101	70-130			
Ethylbenzene	45.3	25	ng	50.0		90.6	70-130			
p & m-Xylene	44.0	25	ng	50.0		88.0	70-130			
o-Xylene	44.3	25	ng	50.0		88.7	70-130			
1,2,3-Trichloropropane	52.1	10	ng	50.0		104	70-130			
Isopropylbenzene	44.3	25	ng	50.0		88.5	70-130			
1,3,5-Trimethylbenzene	53.7	25	ng	50.0		107	70-130			
1,2,4-Trimethylbenzene	57.2	25	ng	50.0		114	70-130			
1,3-Dichlorobenzene	61.1	10	ng	50.0		122	70-130			
1,4-Dichlorobenzene	58.7	10	ng	50.0		117	70-130			
1,2-Dichlorobenzene	59.8	10	ng	50.0		120	70-130			
1,2,4-Trichlorobenzene	52.2	10	ng	50.0		104	70-130			
Naphthalene	46.0	25	ng	50.0		92.0	70-130			
1,2,3-Trichlorobenzene	56.0	10	ng	50.0		112	70-130			
2-Methylnaphthalene	40.4	25	ng	50.0		80.8	70-130			
Surrogate: 1,2-DCA-d4	*52.3*		*ng*	50.0		*105*	*70-130*			
Surrogate: Toluene-d8	*47.7*		*ng*	50.0		*95.4*	*70-130*			
Surrogate: Bromofluorobenzene	*46.2*		*ng*	50.0		*92.4*	*70-130*			

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B23H054 - Batch: 23H0038 - Instrument: S System - File ID: S23081502.D

23H0038-BS1 (LCS, Calibration Source Verification)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	48.0	10	ng	50.0		96.1	80-120			
1,1-Dichloroethene	50.1	10	ng	50.0		100	80-120			
Methylene Chloride	48.6	10	ng	50.0		97.1	80-120			
1,1,2-Trichlorotrifluoroethane (Fr.113)	48.9	10	ng	50.0		97.8	80-120			
trans-1,2-Dichloroethene	50.2	10	ng	50.0		100	80-120			
Methyl-t-butyl ether	48.9	25	ng	50.0		97.9	80-120			
1,1-Dichloroethane	46.0	10	ng	50.0		91.9	80-120			
cis-1,2-Dichloroethene	50.4	10	ng	50.0		101	80-120			
Chloroform	48.4	10	ng	50.0		96.8	80-120			
1,2-Dichloroethane	44.9	10	ng	50.0		89.8	80-120			
1,1,1-Trichloroethane	46.8	10	ng	50.0		93.5	80-120			
Carbon Tetrachloride	50.9	10	ng	50.0		102	80-120			
Benzene	48.2	25	ng	50.0		96.4	80-120			
Trichloroethene	49.8	10	ng	50.0		99.6	80-120			
1,4-Dioxane	52.5	10	ng	50.0		105	80-120			
1,1,2-Trichloroethane	48.1	10	ng	50.0		96.2	80-120			
Toluene	49.3	25	ng	50.0		98.7	80-120			
1,2-Dibromoethane (EDB)	49.1	5	ng	50.0		98.3	80-120			
Tetrachloroethene	45.6	10	ng	50.0		91.1	80-120			
1,1,1,2-Tetrachloroethane	48.5	10	ng	50.0		97.1	80-120			
Chlorobenzene	47.5	10	ng	50.0		95.0	80-120			
Ethylbenzene	50.2	25	ng	50.0		100	80-120			
p & m-Xylene	51.6	25	ng	50.0		103	80-120			
o-Xylene	51.8	25	ng	50.0		104	80-120			
1,2,3-Trichloropropane	43.7	10	ng	50.0		87.3	80-120			
Isopropylbenzene	52.2	25	ng	50.0		104	80-120			
1,3,5-Trimethylbenzene	54.2	25	ng	50.0		108	80-120			
1,2,4-Trimethylbenzene	55.3	25	ng	50.0		111	80-120			
1,3-Dichlorobenzene	50.2	10	ng	50.0		100	80-120			
1,4-Dichlorobenzene	47.4	10	ng	50.0		94.7	80-120			
1,2-Dichlorobenzene	50.4	10	ng	50.0		101	80-120			
1,2,4-Trichlorobenzene	51.3	10	ng	50.0		103	80-120			
Naphthalene	58.7	25	ng	50.0		117	80-120			
1,2,3-Trichlorobenzene	55.0	10	ng	50.0		110	80-120			
2-Methylnaphthalene	57.4	25	ng	50.0		115	80-120			
Surrogate: 1,2-DCA-d4	*47.2*		*ng*	50.0		*94.4*	*70-130*			
Surrogate: Toluene-d8	*50.5*		*ng*	50.0		*101*	*70-130*			
Surrogate: Bromofluorobenzene	*50.8*		*ng*	50.0		*102*	*70-130*			

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Soil-Gas Analysis by EPA 8260 - Data in Concentration - Quality Control Summary

Sequence: B23H054 - Batch: 23H0038 - Instrument: S System - File ID: S23081503.D

23H0038-BLK1 (Lab Blank)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	<0.564	0.564	µg/m³							U
1,1-Dichloroethene	<1.38	1.38	µg/m³							U
Methylene Chloride	<1.31	1.31	µg/m³							U
1,1,2-Trichlorotrifluoroethane (Fr.113)	<0.514	0.514	µg/m³							U
trans-1,2-Dichloroethene	<1.04	1.04	µg/m³							U
Methyl-t-butyl ether	<2.29	2.29	µg/m³							U
1,1-Dichloroethane	<0.538	0.538	µg/m³							U
cis-1,2-Dichloroethene	<0.862	0.862	µg/m³							U
Chloroform	<1.31	1.31	µg/m³							U
1,2-Dichloroethane	<0.816	0.816	µg/m³							U
1,1,1-Trichloroethane	<0.435	0.435	µg/m³							U
Carbon Tetrachloride	<1.06	1.06	µg/m³							U
Benzene	<2.16	2.16	µg/m³							U
Trichloroethene	<1.38	1.38	µg/m³							U
1,4-Dioxane	<1.11	1.11	µg/m³							U
1,1,2-Trichloroethane	<1.38	1.38	µg/m³							U
Toluene	<2.86	2.86	µg/m³							U
1,2-Dibromoethane (EDB)	<0.586	0.586	µg/m³							U
Tetrachloroethene	<1.11	1.11	µg/m³							U
1,1,1,2-Tetrachloroethane	<1.11	1.11	µg/m³							U
Chlorobenzene	<0.538	0.538	µg/m³							U
Ethylbenzene	<1.34	1.34	µg/m³							U
p & m-Xylene	<1.30	1.30	µg/m³							U
o-Xylene	<1.30	1.30	µg/m³							U
1,2,3-Trichloropropane	<0.609	0.609	µg/m³							U
Isopropylbenzene	<1.38	1.38	µg/m³							U
1,3,5-Trimethylbenzene	<1.38	1.38	µg/m³							U
1,2,4-Trimethylbenzene	<1.38	1.38	µg/m³							U
1,3-Dichlorobenzene	<0.609	0.609	µg/m³							U
1,4-Dichlorobenzene	<0.609	0.609	µg/m³							U
1,2-Dichlorobenzene	<0.609	0.609	µg/m³							U
1,2,4-Trichlorobenzene	<1.17	1.17	µg/m³							U
Naphthalene	<1.43	1.43	µg/m³							U
1,2,3-Trichlorobenzene	<1.17	1.17	µg/m³							U
2-Methylnaphthalene	<1.50	1.50	µg/m³							U
Surrogate: 1,2-DCA-d4	*93.5*		*ng*	100		*93.5*	*70-130*			
Surrogate: Toluene-d8	*102*		*ng*	100		*102*	*70-130*			
Surrogate: Bromofluorobenzene	*95.7*		*ng*	100		*95.7*	*70-130*			

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B23H054 - Batch: 23H0038 - Instrument: S System - File ID: S23081503.D

23H0038-BLK1 (Lab Blank)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	<5	10	ng							U
1,1-Dichloroethene	<5	10	ng							U
Methylene Chloride	<5	10	ng							U
1,1,2-Trichlorotrifluoroethane (Fr.113)	<5	10	ng							U
trans-1,2-Dichloroethene	<5	10	ng							U
Methyl-t-butyl ether	<10	25	ng							U
1,1-Dichloroethane	<5	10	ng							U
cis-1,2-Dichloroethene	<5	10	ng							U
Chloroform	<5	10	ng							U
1,2-Dichloroethane	<5	10	ng							U
1,1,1-Trichloroethane	<5	10	ng							U
Carbon Tetrachloride	<5	10	ng							U
Benzene	<10	25	ng							U
Trichloroethene	<5	10	ng							U
1,4-Dioxane	<5	10	ng							U
1,1,2-Trichloroethane	<5	10	ng							U
Toluene	<10	25	ng							U
1,2-Dibromoethane (EDB)	<3	5	ng							U
Tetrachloroethene	<5	10	ng							U
1,1,1,2-Tetrachloroethane	<5	10	ng							U
Chlorobenzene	<5	10	ng							U
Ethylbenzene	<10	25	ng							U
p & m-Xylene	<10	25	ng							U
o-Xylene	<10	25	ng							U
1,2,3-Trichloropropane	<5	10	ng							U
Isopropylbenzene	<10	25	ng							U
1,3,5-Trimethylbenzene	<10	25	ng							U
1,2,4-Trimethylbenzene	<10	25	ng							U
1,3-Dichlorobenzene	<5	10	ng							U
1,4-Dichlorobenzene	<5	10	ng							U
1,2-Dichlorobenzene	<5	10	ng							U
1,2,4-Trichlorobenzene	<5	10	ng							U
Naphthalene	<10	25	ng							U
1,2,3-Trichlorobenzene	<5	10	ng							U
2-Methylnaphthalene	<10	25	ng							U
Surrogate: 1,2-DCA-d4	*93.5*		*ng*	100		*93.5*	*70-130*			
Surrogate: Toluene-d8	*102*		*ng*	100		*102*	*70-130*			
Surrogate: Bromofluorobenzene	*95.7*		*ng*	100		*95.7*	*70-130*			

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Soil-Gas Sample Analysis by EPA Method 8260C - Quality Control Summary

Sequence: B23H054 - Instrument: S System - File ID: S23081504.D

B23H054-ICV1 (LCSD/Second Source Verification/CALV)

Analyte	Result	LOQ	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vinyl Chloride	53.2	10	ng	50.0		106	70-130			
1,1-Dichloroethene	49.4	10	ng	50.0		98.9	70-130			
Methylene Chloride	50.0	10	ng	50.0		99.9	70-130			
1,1,2-Trichlorotrifluoroethane (Fr.113)	47.9	10	ng	50.0		95.8	70-130			
trans-1,2-Dichloroethene	50.4	10	ng	50.0		101	70-130			
Methyl-t-butyl ether	45.1	25	ng	50.0		90.2	70-130			
1,1-Dichloroethane	46.8	10	ng	50.0		93.6	70-130			
cis-1,2-Dichloroethene	50.9	10	ng	50.0		102	70-130			
Chloroform	50.0	10	ng	50.0		99.9	70-130			
1,2-Dichloroethane	46.7	10	ng	50.0		93.4	70-130			
1,1,1-Trichloroethane	47.9	10	ng	50.0		95.8	70-130			
Carbon Tetrachloride	52.1	10	ng	50.0		104	70-130			
Benzene	49.3	25	ng	50.0		98.5	70-130			
Trichloroethene	50.3	10	ng	50.0		101	70-130			
1,4-Dioxane	52.0	10	ng	50.0		104	70-130			
1,1,2-Trichloroethane	49.6	10	ng	50.0		99.1	70-130			
Toluene	50.6	25	ng	50.0		101	70-130			
1,2-Dibromoethane (EDB)	49.8	5	ng	50.0		99.5	70-130			
Tetrachloroethene	48.3	10	ng	50.0		96.7	70-130			
1,1,1,2-Tetrachloroethane	50.5	10	ng	50.0		101	70-130			
Chlorobenzene	49.3	10	ng	50.0		98.7	70-130			
Ethylbenzene	52.3	25	ng	50.0		105	70-130			
p & m-Xylene	53.5	25	ng	50.0		107	70-130			
o-Xylene	52.6	25	ng	50.0		105	70-130			
1,2,3-Trichloropropane	45.2	10	ng	50.0		90.4	70-130			
Isopropylbenzene	53.8	25	ng	50.0		108	70-130			
1,3,5-Trimethylbenzene	55.0	25	ng	50.0		110	70-130			
1,2,4-Trimethylbenzene	55.5	25	ng	50.0		111	70-130			
1,3-Dichlorobenzene	51.4	10	ng	50.0		103	70-130			
1,4-Dichlorobenzene	48.6	10	ng	50.0		97.2	70-130			
1,2-Dichlorobenzene	50.8	10	ng	50.0		102	70-130			
1,2,4-Trichlorobenzene	51.6	10	ng	50.0		103	70-130			
Naphthalene	57.4	25	ng	50.0		115	70-130			
1,2,3-Trichlorobenzene	54.3	10	ng	50.0		109	70-130			
2-Methylnaphthalene	56.4	25	ng	50.0		113	70-130			
Surrogate: 1,2-DCA-d4	*47.3*		*ng*	50.0		*94.7*	*70-130*			
Surrogate: Toluene-d8	*50.2*		*ng*	50.0		*100*	*70-130*			
Surrogate: Bromofluorobenzene	*48.9*		*ng*	50.0		*97.8*	*70-130*			

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Duplicate RPD Summary

Soil-Gas Sample Analysis by EPA Method 8260C

Duplicate Sample: PSG-15-Dup (0007137-17) ***Sample: PSG-15 (0007137-16)*** ***Average RPD:*** 2.4%

Analyte	CAS#	Duplicate Result (ng)	LOQ (ng)	Sample Result (ng)	LOQ (ng)	RPD (%)
Vinyl Chloride	75-01-4	<10	10	<10	10	0.0
1,1-Dichloroethene	75-35-4	<10	10	<10	10	0.0
Methylene Chloride	75-09-2	<10	10	<10	10	0.0
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10	10	<10	10	0.0
trans-1,2-Dichloroethene	156-60-5	<10	10	<10	10	0.0
Methyl-t-butyl ether	1634-04-4	<25	25	<25	25	0.0
1,1-Dichloroethane	75-34-3	<10	10	<10	10	0.0
cis-1,2-Dichloroethene	156-59-2	<10	10	<10	10	0.0
Chloroform	67-66-3	<10	10	<10	10	0.0
1,2-Dichloroethane	107-06-2	<10	10	<10	10	0.0
1,1,1-Trichloroethane	71-55-6	<10	10	<10	10	0.0
Carbon Tetrachloride	56-23-5	<10	10	<10	10	0.0
Benzene	71-43-2	<25	25	26.0	25	3.9
Trichloroethene	79-01-6	<10	10	<10	10	0.0
1,4-Dioxane	123-91-1	<10	10	<10	10	0.0
1,1,2-Trichloroethane	79-00-5	<10	10	<10	10	0.0
Toluene	108-88-3	<25	25	<25	25	0.0
1,2-Dibromoethane (EDB)	106-93-4	<5	5	<5	5	0.0
Tetrachloroethene	127-18-4	52.0	10	78.0	10	40.0
1,1,1,2-Tetrachloroethane	630-20-6	<10	10	<10	10	0.0
Chlorobenzene	108-90-7	<10	10	<10	10	0.0
Ethylbenzene	100-41-4	<25	25	29.0	25	14.8
p & m-Xylene	179601-23-1	134	25	152	25	12.6
o-Xylene	95-47-6	60.0	25	69.0	25	14.0
1,2,3-Trichloropropane	96-18-4	<10	10	<10	10	0.0
Isopropylbenzene	98-82-8	<25	25	<25	25	0.0
1,3,5-Trimethylbenzene	108-67-8	<25	25	<25	25	0.0
1,2,4-Trimethylbenzene	95-63-6	<25	25	<25	25	0.0
1,3-Dichlorobenzene	541-73-1	<10	10	<10	10	0.0
1,4-Dichlorobenzene	106-46-7	<10	10	<10	10	0.0
1,2-Dichlorobenzene	95-50-1	<10	10	<10	10	0.0
1,2,4-Trichlorobenzene	120-82-1	<10	10	<10	10	0.0
Naphthalene	91-20-3	<25	25	<25	25	0.0
1,2,3-Trichlorobenzene	87-61-6	<10	10	<10	10	0.0
2-Methylnaphthalene	91-57-6	<25	25	<25	25	0.0
TPH C4-C9		<5,000	5000	<5,000	5000	0.0
TPH C10-C15		<5,000	5000	5,270	5000	5.3

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Duplicate RPD Summary

Soil-Gas Sample Analysis by EPA Method 8260C

Duplicate Sample: PSG-20-Dup (0007137-23) ***Sample: PSG-20 (0007137-22)*** ***Average RPD:*** 0.6%

Analyte	CAS#	Duplicate Result (ng)	LOQ (ng)	Sample Result (ng)	LOQ (ng)	RPD (%)
Vinyl Chloride	75-01-4	<10	10	<10	10	0.0
1,1-Dichloroethene	75-35-4	<10	10	<10	10	0.0
Methylene Chloride	75-09-2	<10	10	<10	10	0.0
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10	10	<10	10	0.0
trans-1,2-Dichloroethene	156-60-5	<10	10	<10	10	0.0
Methyl-t-butyl ether	1634-04-4	<25	25	<25	25	0.0
1,1-Dichloroethane	75-34-3	<10	10	<10	10	0.0
cis-1,2-Dichloroethene	156-59-2	<10	10	<10	10	0.0
Chloroform	67-66-3	<10	10	<10	10	0.0
1,2-Dichloroethane	107-06-2	<10	10	<10	10	0.0
1,1,1-Trichloroethane	71-55-6	<10	10	<10	10	0.0
Carbon Tetrachloride	56-23-5	<10	10	<10	10	0.0
Benzene	71-43-2	61.0	25	65.0	25	6.3
Trichloroethene	79-01-6	<10	10	<10	10	0.0
1,4-Dioxane	123-91-1	<10	10	<10	10	0.0
1,1,2-Trichloroethane	79-00-5	<10	10	<10	10	0.0
Toluene	108-88-3	<25	25	<25	25	0.0
1,2-Dibromoethane (EDB)	106-93-4	<5	5	<5	5	0.0
Tetrachloroethene	127-18-4	<10	10	<10	10	0.0
1,1,1,2-Tetrachloroethane	630-20-6	<10	10	<10	10	0.0
Chlorobenzene	108-90-7	<10	10	<10	10	0.0
Ethylbenzene	100-41-4	<25	25	<25	25	0.0
p & m-Xylene	179601-23-1	<25	25	<25	25	0.0
o-Xylene	95-47-6	<25	25	<25	25	0.0
1,2,3-Trichloropropane	96-18-4	<10	10	<10	10	0.0
Isopropylbenzene	98-82-8	<25	25	<25	25	0.0
1,3,5-Trimethylbenzene	108-67-8	<25	25	<25	25	0.0
1,2,4-Trimethylbenzene	95-63-6	<25	25	<25	25	0.0
1,3-Dichlorobenzene	541-73-1	<10	10	<10	10	0.0
1,4-Dichlorobenzene	106-46-7	<10	10	<10	10	0.0
1,2-Dichlorobenzene	95-50-1	<10	10	<10	10	0.0
1,2,4-Trichlorobenzene	120-82-1	<10	10	<10	10	0.0
Naphthalene	91-20-3	<25	25	<25	25	0.0
1,2,3-Trichlorobenzene	87-61-6	<10	10	<10	10	0.0
2-Methylnaphthalene	91-57-6	<25	25	<25	25	0.0
TPH C4-C9		6,340	5000	6,810	5000	7.1
TPH C10-C15		43,300	5000	47,200	5000	8.6

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Duplicate RPD Summary

Soil-Gas Sample Analysis by EPA Method 8260C

Duplicate Sample: PSG-25-Dup (0007137-29) ***Sample: PSG-25 (0007137-28)*** ***Average RPD:*** 12.4%

Analyte	CAS#	Duplicate Result (ng)	LOQ (ng)	Sample Result (ng)	LOQ (ng)	RPD (%)
Vinyl Chloride	75-01-4	<10	10	<10	10	0.0
1,1-Dichloroethene	75-35-4	19.0	10	29.0	10	41.7
Methylene Chloride	75-09-2	<10	10	<10	10	0.0
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10	10	<10	10	0.0
trans-1,2-Dichloroethene	156-60-5	17.0	10	31.0	10	58.3
Methyl-t-butyl ether	1634-04-4	<25	25	<25	25	0.0
1,1-Dichloroethane	75-34-3	<10	10	<10	10	0.0
cis-1,2-Dichloroethene	156-59-2	96.0	10	151	10	44.5
Chloroform	67-66-3	<10	10	<10	10	0.0
1,2-Dichloroethane	107-06-2	<10	10	<10	10	0.0
1,1,1-Trichloroethane	71-55-6	<10	10	<10	10	0.0
Carbon Tetrachloride	56-23-5	<10	10	<10	10	0.0
Benzene	71-43-2	1,350	25	850	25	45.5
Trichloroethene	79-01-6	3,910	10	4,610	10	16.4
1,4-Dioxane	123-91-1	<10	10	<10	10	0.0
1,1,2-Trichloroethane	79-00-5	<10	10	<10	10	0.0
Toluene	108-88-3	425	25	342	25	21.6
1,2-Dibromoethane (EDB)	106-93-4	<5	5	<5	5	0.0
Tetrachloroethene	127-18-4	9,250	10	9,720	10	5.0
1,1,1,2-Tetrachloroethane	630-20-6	<10	10	<10	10	0.0
Chlorobenzene	108-90-7	<10	10	<10	10	0.0
Ethylbenzene	100-41-4	140	25	162	25	14.6
p & m-Xylene	179601-23-1	179	25	242	25	29.9
o-Xylene	95-47-6	88.0	25	138	25	44.2
1,2,3-Trichloropropane	96-18-4	<10	10	<10	10	0.0
Isopropylbenzene	98-82-8	39.0	25	50.0	25	24.7
1,3,5-Trimethylbenzene	108-67-8	29.0	25	34.0	25	15.9
1,2,4-Trimethylbenzene	95-63-6	50.0	25	62.0	25	21.4
1,3-Dichlorobenzene	541-73-1	<10	10	<10	10	0.0
1,4-Dichlorobenzene	106-46-7	<10	10	<10	10	0.0
1,2-Dichlorobenzene	95-50-1	<10	10	<10	10	0.0
1,2,4-Trichlorobenzene	120-82-1	<10	10	<10	10	0.0
Naphthalene	91-20-3	<25	25	<25	25	0.0
1,2,3-Trichlorobenzene	87-61-6	<10	10	<10	10	0.0
2-Methylnaphthalene	91-57-6	<25	25	<25	25	0.0
TPH C4-C9		152,000	5000	83,500	5000	58.2
TPH C10-C15		38,400	5000	33,000	5000	15.1

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Duplicate RPD Summary

Soil-Gas Sample Analysis by EPA Method 8260C

Duplicate Sample: PSG-35-Dup (0007137-40) ***Sample: PSG-35 (0007137-39)*** ***Average RPD:*** 7.9%

Analyte	CAS#	Duplicate Result (ng)	LOQ (ng)	Sample Result (ng)	LOQ (ng)	RPD (%)
Vinyl Chloride	75-01-4	<10	10	<10	10	0.0
1,1-Dichloroethene	75-35-4	15.0	10	<10	10	40.0
Methylene Chloride	75-09-2	<10	10	<10	10	0.0
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10	10	<10	10	0.0
trans-1,2-Dichloroethene	156-60-5	<10	10	<10	10	0.0
Methyl-t-butyl ether	1634-04-4	<25	25	<25	25	0.0
1,1-Dichloroethane	75-34-3	<10	10	<10	10	0.0
cis-1,2-Dichloroethene	156-59-2	<10	10	<10	10	0.0
Chloroform	67-66-3	<10	10	<10	10	0.0
1,2-Dichloroethane	107-06-2	<10	10	<10	10	0.0
1,1,1-Trichloroethane	71-55-6	199	10	296	10	39.2
Carbon Tetrachloride	56-23-5	<10	10	<10	10	0.0
Benzene	71-43-2	159	25	179	25	11.8
Trichloroethene	79-01-6	23.0	10	21.0	10	9.1
1,4-Dioxane	123-91-1	<10	10	<10	10	0.0
1,1,2-Trichloroethane	79-00-5	<10	10	<10	10	0.0
Toluene	108-88-3	149	25	165	25	10.2
1,2-Dibromoethane (EDB)	106-93-4	<5	5	<5	5	0.0
Tetrachloroethene	127-18-4	64.0	10	122	10	62.4
1,1,1,2-Tetrachloroethane	630-20-6	<10	10	<10	10	0.0
Chlorobenzene	108-90-7	<10	10	<10	10	0.0
Ethylbenzene	100-41-4	36.0	25	47.0	25	26.5
p & m-Xylene	179601-23-1	105	25	123	25	15.8
o-Xylene	95-47-6	65.0	25	75.0	25	14.3
1,2,3-Trichloropropane	96-18-4	<10	10	<10	10	0.0
Isopropylbenzene	98-82-8	<25	25	<25	25	0.0
1,3,5-Trimethylbenzene	108-67-8	34.0	25	30.0	25	12.5
1,2,4-Trimethylbenzene	95-63-6	68.0	25	67.0	25	1.5
1,3-Dichlorobenzene	541-73-1	<10	10	<10	10	0.0
1,4-Dichlorobenzene	106-46-7	<10	10	<10	10	0.0
1,2-Dichlorobenzene	95-50-1	<10	10	<10	10	0.0
1,2,4-Trichlorobenzene	120-82-1	<10	10	<10	10	0.0
Naphthalene	91-20-3	44.0	25	45.0	25	2.2
1,2,3-Trichlorobenzene	87-61-6	<10	10	<10	10	0.0
2-Methylnaphthalene	91-57-6	36.0	25	39.0	25	8.0
TPH C4-C9		59,400	5000	71,200	5000	18.1
TPH C10-C15		44,100	5000	55,100	5000	22.2

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Duplicate RPD Summary

Soil-Gas Sample Analysis by EPA Method 8260C

Duplicate Sample: PSG-43-Dup (0007137-49) ***Sample: PSG-43 (0007137-48)*** ***Average RPD:*** 0.2%

Analyte	CAS#	Duplicate Result (ng)	LOQ (ng)	Sample Result (ng)	LOQ (ng)	RPD (%)
Vinyl Chloride	75-01-4	<10	10	<10	10	0.0
1,1-Dichloroethene	75-35-4	<10	10	<10	10	0.0
Methylene Chloride	75-09-2	<10	10	<10	10	0.0
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10	10	<10	10	0.0
trans-1,2-Dichloroethene	156-60-5	<10	10	<10	10	0.0
Methyl-t-butyl ether	1634-04-4	<25	25	<25	25	0.0
1,1-Dichloroethane	75-34-3	<10	10	<10	10	0.0
cis-1,2-Dichloroethene	156-59-2	<10	10	<10	10	0.0
Chloroform	67-66-3	<10	10	<10	10	0.0
1,2-Dichloroethane	107-06-2	<10	10	<10	10	0.0
1,1,1-Trichloroethane	71-55-6	<10	10	<10	10	0.0
Carbon Tetrachloride	56-23-5	<10	10	<10	10	0.0
Benzene	71-43-2	<25	25	<25	25	0.0
Trichloroethene	79-01-6	<10	10	<10	10	0.0
1,4-Dioxane	123-91-1	<10	10	<10	10	0.0
1,1,2-Trichloroethane	79-00-5	<10	10	<10	10	0.0
Toluene	108-88-3	<25	25	<25	25	0.0
1,2-Dibromoethane (EDB)	106-93-4	<5	5	<5	5	0.0
Tetrachloroethene	127-18-4	<10	10	<10	10	0.0
1,1,1,2-Tetrachloroethane	630-20-6	<10	10	<10	10	0.0
Chlorobenzene	108-90-7	<10	10	<10	10	0.0
Ethylbenzene	100-41-4	<25	25	<25	25	0.0
p & m-Xylene	179601-23-1	67.0	25	68.0	25	1.5
o-Xylene	95-47-6	46.0	25	48.0	25	4.3
1,2,3-Trichloropropane	96-18-4	<10	10	<10	10	0.0
Isopropylbenzene	98-82-8	<25	25	<25	25	0.0
1,3,5-Trimethylbenzene	108-67-8	<25	25	<25	25	0.0
1,2,4-Trimethylbenzene	95-63-6	<25	25	<25	25	0.0
1,3-Dichlorobenzene	541-73-1	<10	10	<10	10	0.0
1,4-Dichlorobenzene	106-46-7	<10	10	<10	10	0.0
1,2-Dichlorobenzene	95-50-1	<10	10	<10	10	0.0
1,2,4-Trichlorobenzene	120-82-1	<10	10	<10	10	0.0
Naphthalene	91-20-3	<25	25	<25	25	0.0
1,2,3-Trichlorobenzene	87-61-6	<10	10	<10	10	0.0
2-Methylnaphthalene	91-57-6	<25	25	<25	25	0.0
TPH C4-C9		<5,000	5000	<5,000	5000	0.0
TPH C10-C15		<5,000	5000	<5,000	5000	0.0

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Duplicate RPD Summary

Soil-Gas Sample Analysis by EPA Method 8260C

Duplicate Sample: PSG-61-Dup (0007137-68) ***Sample: PSG-61 (0007137-67)*** ***Average RPD:*** 5.7%

Analyte	CAS#	Duplicate Result (ng)	LOQ (ng)	Sample Result (ng)	LOQ (ng)	RPD (%)
Vinyl Chloride	75-01-4	16.0	10	<10	10	46.2
1,1-Dichloroethene	75-35-4	24.0	10	21.0	10	13.3
Methylene Chloride	75-09-2	<10	10	<10	10	0.0
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<10	10	<10	10	0.0
trans-1,2-Dichloroethene	156-60-5	<10	10	<10	10	0.0
Methyl-t-butyl ether	1634-04-4	<25	25	<25	25	0.0
1,1-Dichloroethane	75-34-3	308	10	332	10	7.5
cis-1,2-Dichloroethene	156-59-2	<10	10	<10	10	0.0
Chloroform	67-66-3	<10	10	<10	10	0.0
1,2-Dichloroethane	107-06-2	<10	10	<10	10	0.0
1,1,1-Trichloroethane	71-55-6	63.0	10	68.0	10	7.6
Carbon Tetrachloride	56-23-5	<10	10	<10	10	0.0
Benzene	71-43-2	850	25	1,080	25	23.8
Trichloroethene	79-01-6	<10	10	12.0	10	18.2
1,4-Dioxane	123-91-1	79.0	10	86.0	10	8.5
1,1,2-Trichloroethane	79-00-5	<10	10	<10	10	0.0
Toluene	108-88-3	353	25	468	25	28.0
1,2-Dibromoethane (EDB)	106-93-4	<5	5	<5	5	0.0
Tetrachloroethene	127-18-4	<10	10	<10	10	0.0
1,1,1,2-Tetrachloroethane	630-20-6	<10	10	<10	10	0.0
Chlorobenzene	108-90-7	<10	10	<10	10	0.0
Ethylbenzene	100-41-4	138	25	158	25	13.5
p & m-Xylene	179601-23-1	520	25	513	25	1.4
o-Xylene	95-47-6	747	25	757	25	1.3
1,2,3-Trichloropropane	96-18-4	<10	10	<10	10	0.0
Isopropylbenzene	98-82-8	268	25	265	25	1.1
1,3,5-Trimethylbenzene	108-67-8	529	25	544	25	2.8
1,2,4-Trimethylbenzene	95-63-6	700	25	662	25	5.6
1,3-Dichlorobenzene	541-73-1	<10	10	<10	10	0.0
1,4-Dichlorobenzene	106-46-7	<10	10	<10	10	0.0
1,2-Dichlorobenzene	95-50-1	<10	10	<10	10	0.0
1,2,4-Trichlorobenzene	120-82-1	<10	10	<10	10	0.0
Naphthalene	91-20-3	102	25	105	25	2.9
1,2,3-Trichlorobenzene	87-61-6	<10	10	<10	10	0.0
2-Methylnaphthalene	91-57-6	61.0	25	67.0	25	9.4
TPH C4-C9		45,600	5000	52,800	5000	14.6
TPH C10-C15		45,400	5000	48,600	5000	6.8

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Duplicate RPD Summary - Concentration

Soil-Gas Analysis by EPA 8260 - Data in Concentration

Duplicate Sample: PSG-15-Dup (0007137-17) ***Sample: PSG-15 (0007137-16)*** ***Average RPD:*** 2.4%

Analyte	CAS#	Duplicate Result (µg/m³)	LOQ (µg/m³)	Sample Result (µg/m³)	LOQ (µg/m³)	RPD (%)
Vinyl Chloride	75-01-4	<0.57	0.57	<0.57	0.57	0.0
1,1-Dichloroethene	75-35-4	<1.40	1.40	<1.40	1.40	0.0
Methylene Chloride	75-09-2	<1.32	1.32	<1.32	1.32	0.0
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.52	0.52	<0.52	0.52	0.0
trans-1,2-Dichloroethene	156-60-5	<1.05	1.05	<1.05	1.05	0.0
Methyl-t-butyl ether	1634-04-4	<2.32	2.32	<2.32	2.32	0.0
1,1-Dichloroethane	75-34-3	<0.55	0.55	<0.55	0.55	0.0
cis-1,2-Dichloroethene	156-59-2	<0.87	0.87	<0.87	0.87	0.0
Chloroform	67-66-3	<1.32	1.32	<1.32	1.32	0.0
1,2-Dichloroethane	107-06-2	<0.83	0.83	<0.83	0.83	0.0
1,1,1-Trichloroethane	71-55-6	<0.44	0.44	<0.44	0.44	0.0
Carbon Tetrachloride	56-23-5	<1.08	1.08	<1.08	1.08	0.0
Benzene	71-43-2	<2.19	2.19	2.28	2.19	4.0
Trichloroethene	79-01-6	<1.40	1.40	<1.40	1.40	0.0
1,4-Dioxane	123-91-1	<1.13	1.13	<1.13	1.13	0.0
1,1,2-Trichloroethane	79-00-5	<1.40	1.40	<1.40	1.40	0.0
Toluene	108-88-3	<2.90	2.90	<2.90	2.90	0.0
1,2-Dibromoethane (EDB)	106-93-4	<0.59	0.59	<0.59	0.59	0.0
Tetrachloroethene	127-18-4	5.91	1.13	8.86	1.13	39.9
1,1,1,2-Tetrachloroethane	630-20-6	<1.13	1.13	<1.13	1.13	0.0
Chlorobenzene	108-90-7	<0.55	0.55	<0.55	0.55	0.0
Ethylbenzene	100-41-4	<1.36	1.36	1.56	1.36	13.7
p & m-Xylene	179601-23-1	7.07	1.32	7.99	1.32	12.2
o-Xylene	95-47-6	3.16	1.32	3.62	1.32	13.6
1,2,3-Trichloropropane	96-18-4	<0.62	0.62	<0.62	0.62	0.0
Isopropylbenzene	98-82-8	<1.40	1.40	<1.40	1.40	0.0
1,3,5-Trimethylbenzene	108-67-8	<1.40	1.40	<1.40	1.40	0.0
1,2,4-Trimethylbenzene	95-63-6	<1.40	1.40	<1.40	1.40	0.0
1,3-Dichlorobenzene	541-73-1	<0.62	0.62	<0.62	0.62	0.0
1,4-Dichlorobenzene	106-46-7	<0.62	0.62	<0.62	0.62	0.0
1,2-Dichlorobenzene	95-50-1	<0.62	0.62	<0.62	0.62	0.0
1,2,4-Trichlorobenzene	120-82-1	<1.19	1.19	<1.19	1.19	0.0
Naphthalene	91-20-3	<1.45	1.45	<1.45	1.45	0.0
1,2,3-Trichlorobenzene	87-61-6	<1.19	1.19	<1.19	1.19	0.0
2-Methylnaphthalene	91-57-6	<1.53	1.53	<1.53	1.53	0.0
TPH C4-C9		<393	393	<393	393	0.0
TPH C10-C15		<336	336	354	336	5.2

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Duplicate RPD Summary - Concentration

Soil-Gas Analysis by EPA 8260 - Data in Concentration

Duplicate Sample: PSG-20-Dup (0007137-23) ***Sample: PSG-20 (0007137-22)*** ***Average RPD:*** 0.6%

Analyte	CAS#	Duplicate Result (µg/m³)	LOQ (µg/m³)	Sample Result (µg/m³)	LOQ (µg/m³)	RPD (%)
Vinyl Chloride	75-01-4	<0.61	0.61	<0.61	0.61	0.0
1,1-Dichloroethene	75-35-4	<1.49	1.49	<1.49	1.49	0.0
Methylene Chloride	75-09-2	<1.40	1.40	<1.40	1.40	0.0
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55	0.55	<0.55	0.55	0.0
trans-1,2-Dichloroethene	156-60-5	<1.11	1.11	<1.11	1.11	0.0
Methyl-t-butyl ether	1634-04-4	<2.45	2.45	<2.45	2.45	0.0
1,1-Dichloroethane	75-34-3	<0.58	0.58	<0.58	0.58	0.0
cis-1,2-Dichloroethene	156-59-2	<0.92	0.92	<0.92	0.92	0.0
Chloroform	67-66-3	<1.40	1.40	<1.40	1.40	0.0
1,2-Dichloroethane	107-06-2	<0.88	0.88	<0.88	0.88	0.0
1,1,1-Trichloroethane	71-55-6	<0.47	0.47	<0.47	0.47	0.0
Carbon Tetrachloride	56-23-5	<1.14	1.14	<1.14	1.14	0.0
Benzene	71-43-2	5.61	2.31	6.00	2.31	6.7
Trichloroethene	79-01-6	<1.49	1.49	<1.49	1.49	0.0
1,4-Dioxane	123-91-1	<1.20	1.20	<1.20	1.20	0.0
1,1,2-Trichloroethane	79-00-5	<1.49	1.49	<1.49	1.49	0.0
Toluene	108-88-3	<3.06	3.06	<3.06	3.06	0.0
1,2-Dibromoethane (EDB)	106-93-4	<0.63	0.63	<0.63	0.63	0.0
Tetrachloroethene	127-18-4	<1.20	1.20	<1.20	1.20	0.0
1,1,1,2-Tetrachloroethane	630-20-6	<1.20	1.20	<1.20	1.20	0.0
Chlorobenzene	108-90-7	<0.58	0.58	<0.58	0.58	0.0
Ethylbenzene	100-41-4	<1.44	1.44	<1.44	1.44	0.0
p & m-Xylene	179601-23-1	<1.39	1.39	<1.39	1.39	0.0
o-Xylene	95-47-6	<1.39	1.39	<1.39	1.39	0.0
1,2,3-Trichloropropane	96-18-4	<0.65	0.65	<0.65	0.65	0.0
Isopropylbenzene	98-82-8	<1.48	1.48	<1.48	1.48	0.0
1,3,5-Trimethylbenzene	108-67-8	<1.48	1.48	<1.48	1.48	0.0
1,2,4-Trimethylbenzene	95-63-6	<1.48	1.48	<1.48	1.48	0.0
1,3-Dichlorobenzene	541-73-1	<0.65	0.65	<0.65	0.65	0.0
1,4-Dichlorobenzene	106-46-7	<0.65	0.65	<0.65	0.65	0.0
1,2-Dichlorobenzene	95-50-1	<0.65	0.65	<0.65	0.65	0.0
1,2,4-Trichlorobenzene	120-82-1	<1.26	1.26	<1.26	1.26	0.0
Naphthalene	91-20-3	<1.53	1.53	<1.53	1.53	0.0
1,2,3-Trichlorobenzene	87-61-6	<1.26	1.26	<1.26	1.26	0.0
2-Methylnaphthalene	91-57-6	<1.61	1.61	<1.61	1.61	0.0
TPH C4-C9		527	415	565	415	7.0
TPH C10-C15		3,070	355	3,350	355	8.7

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Duplicate RPD Summary - Concentration

Soil-Gas Analysis by EPA 8260 - Data in Concentration

Duplicate Sample: PSG-25-Dup (0007137-29) ***Sample: PSG-25 (0007137-28)*** ***Average RPD:*** 12.3%

Analyte	CAS#	Duplicate Result (µg/m³)	LOQ (µg/m³)	Sample Result (µg/m³)	LOQ (µg/m³)	RPD (%)
Vinyl Chloride	75-01-4	<0.61	0.61	<0.61	0.61	0.0
1,1-Dichloroethene	75-35-4	2.83	1.49	4.31	1.49	41.5
Methylene Chloride	75-09-2	<1.41	1.41	<1.41	1.41	0.0
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55	0.55	<0.55	0.55	0.0
trans-1,2-Dichloroethene	156-60-5	1.96	1.12	3.51	1.12	56.7
Methyl-t-butyl ether	1634-04-4	<2.47	2.47	<2.47	2.47	0.0
1,1-Dichloroethane	75-34-3	<0.58	0.58	<0.58	0.58	0.0
cis-1,2-Dichloroethene	156-59-2	8.93	0.93	14.0	0.93	44.2
Chloroform	67-66-3	<1.41	1.41	<1.41	1.41	0.0
1,2-Dichloroethane	107-06-2	<0.88	0.88	<0.88	0.88	0.0
1,1,1-Trichloroethane	71-55-6	<0.47	0.47	<0.47	0.47	0.0
Carbon Tetrachloride	56-23-5	<1.15	1.15	<1.15	1.15	0.0
Benzene	71-43-2	125	2.33	79.0	2.33	45.1
Trichloroethene	79-01-6	584	1.49	689	1.49	16.5
1,4-Dioxane	123-91-1	<1.20	1.20	<1.20	1.20	0.0
1,1,2-Trichloroethane	79-00-5	<1.49	1.49	<1.49	1.49	0.0
Toluene	108-88-3	52.4	3.08	42.2	3.08	21.6
1,2-Dibromoethane (EDB)	106-93-4	<0.63	0.63	<0.63	0.63	0.0
Tetrachloroethene	127-18-4	1,110	1.20	1,170	1.20	5.3
1,1,1,2-Tetrachloroethane	630-20-6	<1.20	1.20	<1.20	1.20	0.0
Chlorobenzene	108-90-7	<0.58	0.58	<0.58	0.58	0.0
Ethylbenzene	100-41-4	8.12	1.45	9.38	1.45	14.4
p & m-Xylene	179601-23-1	10.0	1.40	13.6	1.40	30.5
o-Xylene	95-47-6	4.91	1.40	7.74	1.40	44.7
1,2,3-Trichloropropane	96-18-4	<0.66	0.66	<0.66	0.66	0.0
Isopropylbenzene	98-82-8	2.33	1.49	2.94	1.49	23.1
1,3,5-Trimethylbenzene	108-67-8	1.74	1.49	2.02	1.49	14.9
1,2,4-Trimethylbenzene	95-63-6	2.96	1.49	3.69	1.49	22.0
1,3-Dichlorobenzene	541-73-1	<0.66	0.66	<0.66	0.66	0.0
1,4-Dichlorobenzene	106-46-7	<0.66	0.66	<0.66	0.66	0.0
1,2-Dichlorobenzene	95-50-1	<0.66	0.66	<0.66	0.66	0.0
1,2,4-Trichlorobenzene	120-82-1	<1.26	1.26	<1.26	1.26	0.0
Naphthalene	91-20-3	<1.54	1.54	<1.54	1.54	0.0
1,2,3-Trichlorobenzene	87-61-6	<1.26	1.26	<1.26	1.26	0.0
2-Methylnaphthalene	91-57-6	<1.62	1.62	<1.62	1.62	0.0
TPH C4-C9		12,700	418	6,980	418	58.1
TPH C10-C15		2,740	357	2,360	357	14.9

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Duplicate RPD Summary - Concentration

Soil-Gas Analysis by EPA 8260 - Data in Concentration

Duplicate Sample: PSG-35-Dup (0007137-40) ***Sample: PSG-35 (0007137-39)*** ***Average RPD:*** 7.9%

Analyte	CAS#	Duplicate Result (µg/m³)	LOQ (µg/m³)	Sample Result (µg/m³)	LOQ (µg/m³)	RPD (%)
Vinyl Chloride	75-01-4	<0.61	0.61	<0.61	0.61	0.0
1,1-Dichloroethene	75-35-4	2.28	1.50	<1.50	1.50	41.3
Methylene Chloride	75-09-2	<1.41	1.41	<1.41	1.41	0.0
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.56	0.56	<0.56	0.56	0.0
trans-1,2-Dichloroethene	156-60-5	<1.13	1.13	<1.13	1.13	0.0
Methyl-t-butyl ether	1634-04-4	<2.48	2.48	<2.48	2.48	0.0
1,1-Dichloroethane	75-34-3	<0.58	0.58	<0.58	0.58	0.0
cis-1,2-Dichloroethene	156-59-2	<0.93	0.93	<0.93	0.93	0.0
Chloroform	67-66-3	<1.41	1.41	<1.41	1.41	0.0
1,2-Dichloroethane	107-06-2	<0.88	0.88	<0.88	0.88	0.0
1,1,1-Trichloroethane	71-55-6	9.37	0.47	13.9	0.47	38.9
Carbon Tetrachloride	56-23-5	<1.15	1.15	<1.15	1.15	0.0
Benzene	71-43-2	14.9	2.34	16.7	2.34	11.4
Trichloroethene	79-01-6	3.42	1.50	3.11	1.50	9.5
1,4-Dioxane	123-91-1	<1.21	1.21	<1.21	1.21	0.0
1,1,2-Trichloroethane	79-00-5	<1.50	1.50	<1.50	1.50	0.0
Toluene	108-88-3	18.4	3.10	20.4	3.10	10.3
1,2-Dibromoethane (EDB)	106-93-4	<0.63	0.63	<0.63	0.63	0.0
Tetrachloroethene	127-18-4	7.68	1.21	14.7	1.21	62.7
1,1,1,2-Tetrachloroethane	630-20-6	<1.21	1.21	<1.21	1.21	0.0
Chlorobenzene	108-90-7	<0.58	0.58	<0.58	0.58	0.0
Ethylbenzene	100-41-4	2.09	1.46	2.71	1.46	25.8
p & m-Xylene	179601-23-1	5.93	1.41	6.91	1.41	15.3
o-Xylene	95-47-6	3.66	1.41	4.20	1.41	13.7
1,2,3-Trichloropropane	96-18-4	<0.66	0.66	<0.66	0.66	0.0
Isopropylbenzene	98-82-8	<1.49	1.49	<1.49	1.49	0.0
1,3,5-Trimethylbenzene	108-67-8	2.04	1.49	1.79	1.49	13.1
1,2,4-Trimethylbenzene	95-63-6	4.03	1.49	3.99	1.49	1.0
1,3-Dichlorobenzene	541-73-1	<0.66	0.66	<0.66	0.66	0.0
1,4-Dichlorobenzene	106-46-7	<0.66	0.66	<0.66	0.66	0.0
1,2-Dichlorobenzene	95-50-1	<0.66	0.66	<0.66	0.66	0.0
1,2,4-Trichlorobenzene	120-82-1	<1.27	1.27	<1.27	1.27	0.0
Naphthalene	91-20-3	2.75	1.55	2.79	1.55	1.4
1,2,3-Trichlorobenzene	87-61-6	<1.27	1.27	<1.27	1.27	0.0
2-Methylnaphthalene	91-57-6	2.32	1.63	2.52	1.63	8.3
TPH C4-C9		4,990	420	5,970	420	17.9
TPH C10-C15		3,170	359	3,950	359	21.9

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Duplicate RPD Summary - Concentration

Soil-Gas Analysis by EPA 8260 - Data in Concentration

Duplicate Sample: PSG-43-Dup (0007137-49) ***Sample: PSG-43 (0007137-48)*** ***Average RPD:*** 0.1%

Analyte	CAS#	Duplicate Result (µg/m³)	LOQ (µg/m³)	Sample Result (µg/m³)	LOQ (µg/m³)	RPD (%)
Vinyl Chloride	75-01-4	<0.61	0.61	<0.61	0.61	0.0
1,1-Dichloroethene	75-35-4	<1.50	1.50	<1.50	1.50	0.0
Methylene Chloride	75-09-2	<1.42	1.42	<1.42	1.42	0.0
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.56	0.56	<0.56	0.56	0.0
trans-1,2-Dichloroethene	156-60-5	<1.13	1.13	<1.13	1.13	0.0
Methyl-t-butyl ether	1634-04-4	<2.48	2.48	<2.48	2.48	0.0
1,1-Dichloroethane	75-34-3	<0.58	0.58	<0.58	0.58	0.0
cis-1,2-Dichloroethene	156-59-2	<0.94	0.94	<0.94	0.94	0.0
Chloroform	67-66-3	<1.42	1.42	<1.42	1.42	0.0
1,2-Dichloroethane	107-06-2	<0.89	0.89	<0.89	0.89	0.0
1,1,1-Trichloroethane	71-55-6	<0.47	0.47	<0.47	0.47	0.0
Carbon Tetrachloride	56-23-5	<1.15	1.15	<1.15	1.15	0.0
Benzene	71-43-2	<2.34	2.34	<2.34	2.34	0.0
Trichloroethene	79-01-6	<1.50	1.50	<1.50	1.50	0.0
1,4-Dioxane	123-91-1	<1.21	1.21	<1.21	1.21	0.0
1,1,2-Trichloroethane	79-00-5	<1.50	1.50	<1.50	1.50	0.0
Toluene	108-88-3	<3.10	3.10	<3.10	3.10	0.0
1,2-Dibromoethane (EDB)	106-93-4	<0.64	0.64	<0.64	0.64	0.0
Tetrachloroethene	127-18-4	<1.21	1.21	<1.21	1.21	0.0
1,1,1,2-Tetrachloroethane	630-20-6	<1.21	1.21	<1.21	1.21	0.0
Chlorobenzene	108-90-7	<0.58	0.58	<0.58	0.58	0.0
Ethylbenzene	100-41-4	<1.46	1.46	<1.46	1.46	0.0
p & m-Xylene	179601-23-1	3.78	1.41	3.81	1.41	0.8
o-Xylene	95-47-6	2.60	1.41	2.68	1.41	3.0
1,2,3-Trichloropropane	96-18-4	<0.66	0.66	<0.66	0.66	0.0
Isopropylbenzene	98-82-8	<1.49	1.49	<1.49	1.49	0.0
1,3,5-Trimethylbenzene	108-67-8	<1.49	1.49	<1.49	1.49	0.0
1,2,4-Trimethylbenzene	95-63-6	<1.49	1.49	<1.49	1.49	0.0
1,3-Dichlorobenzene	541-73-1	<0.66	0.66	<0.66	0.66	0.0
1,4-Dichlorobenzene	106-46-7	<0.66	0.66	<0.66	0.66	0.0
1,2-Dichlorobenzene	95-50-1	<0.66	0.66	<0.66	0.66	0.0
1,2,4-Trichlorobenzene	120-82-1	<1.27	1.27	<1.27	1.27	0.0
Naphthalene	91-20-3	<1.55	1.55	<1.55	1.55	0.0
1,2,3-Trichlorobenzene	87-61-6	<1.27	1.27	<1.27	1.27	0.0
2-Methylnaphthalene	91-57-6	<1.63	1.63	<1.63	1.63	0.0
TPH C4-C9		<420	420	<420	420	0.0
TPH C10-C15		<359	359	<359	359	0.0

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Duplicate RPD Summary - Concentration

Soil-Gas Analysis by EPA 8260 - Data in Concentration

Duplicate Sample: PSG-61-Dup (0007137-68) ***Sample: PSG-61 (0007137-67)*** ***Average RPD:*** *5.5%*

Analyte	CAS#	Duplicate Result (µg/m³)	LOQ (µg/m³)	Sample Result (µg/m³)	LOQ (µg/m³)	RPD (%)
Vinyl Chloride	75-01-4	0.970	0.61	<0.61	0.61	45.6
1,1-Dichloroethene	75-35-4	3.58	1.49	3.18	1.49	11.8
Methylene Chloride	75-09-2	<1.40	1.40	<1.40	1.40	0.0
1,1,2-Trichlorotrifluoroethane (Fr.113)	76-13-1	<0.55	0.55	<0.55	0.55	0.0
trans-1,2-Dichloroethene	156-60-5	<1.12	1.12	<1.12	1.12	0.0
Methyl-t-butyl ether	1634-04-4	<2.45	2.45	<2.45	2.45	0.0
1,1-Dichloroethane	75-34-3	17.8	0.58	19.1	0.58	7.0
cis-1,2-Dichloroethene	156-59-2	<0.93	0.93	<0.93	0.93	0.0
Chloroform	67-66-3	<1.40	1.40	<1.40	1.40	0.0
1,2-Dichloroethane	107-06-2	<0.88	0.88	<0.88	0.88	0.0
1,1,1-Trichloroethane	71-55-6	2.95	0.47	3.19	0.47	7.8
Carbon Tetrachloride	56-23-5	<1.14	1.14	<1.14	1.14	0.0
Benzene	71-43-2	78.7	2.31	100	2.31	23.8
Trichloroethene	79-01-6	<1.49	1.49	1.71	1.49	13.7
1,4-Dioxane	123-91-1	9.44	1.20	10.3	1.20	8.7
1,1,2-Trichloroethane	79-00-5	<1.49	1.49	<1.49	1.49	0.0
Toluene	108-88-3	43.3	3.07	57.4	3.07	28.0
1,2-Dibromoethane (EDB)	106-93-4	<0.63	0.63	<0.63	0.63	0.0
Tetrachloroethene	127-18-4	<1.20	1.20	<1.20	1.20	0.0
1,1,1,2-Tetrachloroethane	630-20-6	<1.20	1.20	<1.20	1.20	0.0
Chlorobenzene	108-90-7	<0.58	0.58	<0.58	0.58	0.0
Ethylbenzene	100-41-4	7.98	1.44	9.10	1.44	13.1
p & m-Xylene	179601-23-1	29.0	1.39	28.6	1.39	1.4
o-Xylene	95-47-6	41.6	1.39	42.2	1.39	1.4
1,2,3-Trichloropropane	96-18-4	<0.65	0.65	<0.65	0.65	0.0
Isopropylbenzene	98-82-8	15.8	1.48	15.7	1.48	0.6
1,3,5-Trimethylbenzene	108-67-8	31.3	1.48	32.2	1.48	2.8
1,2,4-Trimethylbenzene	95-63-6	41.4	1.48	39.2	1.48	5.5
1,3-Dichlorobenzene	541-73-1	<0.65	0.65	<0.65	0.65	0.0
1,4-Dichlorobenzene	106-46-7	<0.65	0.65	<0.65	0.65	0.0
1,2-Dichlorobenzene	95-50-1	<0.65	0.65	<0.65	0.65	0.0
1,2,4-Trichlorobenzene	120-82-1	<1.26	1.26	<1.26	1.26	0.0
Naphthalene	91-20-3	6.27	1.53	6.43	1.53	2.5
1,2,3-Trichlorobenzene	87-61-6	<1.26	1.26	<1.26	1.26	0.0
2-Methylnaphthalene	91-57-6	3.94	1.61	4.32	1.61	9.2
TPH C4-C9		3,800	416	4,390	416	14.4
TPH C10-C15		3,230	356	3,460	356	6.9

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Additional QC Information

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-01 **Sample Name:** Trip 1						
Vinyl Chloride	21,881	1.00	0.810	U	U	S23081405.D
1,1-Dichloroethene	21,881	1.00	0.330	U	U	S23081405.D
Methylene Chloride	21,881	1.00	0.350 g	U	U	S23081405.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,881	1.00	0.890 g	U	U	S23081405.D
trans-1,2-Dichloroethene	21,881	1.00	0.440	U	U	S23081405.D
Methyl-t-butyl ether	21,881	1.00	0.500 g	U	U	S23081405.D
1,1-Dichloroethane	21,881	1.00	0.850	U	U	S23081405.D
cis-1,2-Dichloroethene	21,881	1.00	0.530	U	U	S23081405.D
Chloroform	21,881	1.00	0.350 g	U	U	S23081405.D
1,2-Dichloroethane	21,881	1.00	0.560	U	U	S23081405.D
1,1,1-Trichloroethane	21,881	1.00	1.050	U	U	S23081405.D
Carbon Tetrachloride	21,881	1.00	0.430 g	U	U	S23081405.D
Benzene	21,881	1.00	0.530	U	U	S23081405.D
Trichloroethene	21,881	1.00	0.330	U	U	S23081405.D
1,4-Dioxane	21,881	1.00	0.410 g	U	U	S23081405.D
1,1,2-Trichloroethane	21,881	1.00	0.330 g	U	U	S23081405.D
Toluene	21,881	1.00	0.400	U	U	S23081405.D
1,2-Dibromoethane (EDB)	21,881	1.00	0.390 g	U	U	S23081405.D
Tetrachloroethene	21,881	1.00	0.410	U	U	S23081405.D
1,1,1,2-Tetrachloroethane	21,881	1.00	0.410 g	U	U	S23081405.D
Chlorobenzene	21,881	1.00	0.850 g	U	U	S23081405.D
Ethylbenzene	21,881	1.00	0.850	U	U	S23081405.D
p & m-Xylene	21,881	1.00	0.880	U	U	S23081405.D
o-Xylene	21,881	1.00	0.880	U	U	S23081405.D
1,2,3-Trichloropropane	21,881	1.00	0.750 g	U	U	S23081405.D
Isopropylbenzene	21,881	1.00	0.830 g	U	U	S23081405.D
1,3,5-Trimethylbenzene	21,881	1.00	0.830 g	U	U	S23081405.D
1,2,4-Trimethylbenzene	21,881	1.00	0.830 g	U	U	S23081405.D
1,3-Dichlorobenzene	21,881	1.00	0.750 g	U	U	S23081405.D
1,4-Dichlorobenzene	21,881	1.00	0.750 g	U	U	S23081405.D
1,2-Dichlorobenzene	21,881	1.00	0.750 g	U	U	S23081405.D
1,2,4-Trichlorobenzene	21,881	1.00	0.390 g	U	U	S23081405.D
Naphthalene	21,881	1.00	0.800 g	U	U	S23081405.D
1,2,3-Trichlorobenzene	21,881	1.00	0.390 g	U	U	S23081405.D
2-Methylnaphthalene	21,881	1.00	0.760 g	U	U	S23081405.D
TPH C4-C9	21,881	1.00	0.590 g	U	U	S23081405.D
TPH C10-C15	21,881	1.00	0.690 g	U	U	S23081405.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Lab ID: 0007137-02 **Sample Name:** PSG-01

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Vinyl Chloride	21,620	1.00	0.810	U	U	S23081406.D
1,1-Dichloroethene	21,620	1.00	0.330	U	U	S23081406.D
Methylene Chloride	21,620	1.00	0.350 g	U	U	S23081406.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,620	1.00	0.890 g	U	U	S23081406.D
trans-1,2-Dichloroethene	21,620	1.00	0.440	U	U	S23081406.D
Methyl-t-butyl ether	21,620	1.00	0.500 g	U	U	S23081406.D
1,1-Dichloroethane	21,620	1.00	0.850	U	U	S23081406.D
cis-1,2-Dichloroethene	21,620	1.00	0.530	U	U	S23081406.D
Chloroform	21,620	1.00	0.350 g	U	U	S23081406.D
1,2-Dichloroethane	21,620	1.00	0.560	U	U	S23081406.D
1,1,1-Trichloroethane	21,620	1.00	1.050	U	U	S23081406.D
Carbon Tetrachloride	21,620	1.00	0.430 g	U	U	S23081406.D
Benzene	21,620	1.00	0.530	U	U	S23081406.D
Trichloroethene	21,620	1.00	0.330	U	U	S23081406.D
1,4-Dioxane	21,620	1.00	0.410 g	U	U	S23081406.D
1,1,2-Trichloroethane	21,620	1.00	0.330 g	U	U	S23081406.D
Toluene	21,620	1.00	0.400	U	U	S23081406.D
1,2-Dibromoethane (EDB)	21,620	1.00	0.390 g	U	U	S23081406.D
Tetrachloroethene	21,620	1.00	0.410	U	U	S23081406.D
1,1,1,2-Tetrachloroethane	21,620	1.00	0.410 g	U	U	S23081406.D
Chlorobenzene	21,620	1.00	0.850 g	U	U	S23081406.D
Ethylbenzene	21,620	1.00	0.850	U	U	S23081406.D
p & m-Xylene	21,620	1.00	0.880	U	U	S23081406.D
o-Xylene	21,620	1.00	0.880	U	U	S23081406.D
1,2,3-Trichloropropane	21,620	1.00	0.750 g	U	U	S23081406.D
Isopropylbenzene	21,620	1.00	0.830 g	U	U	S23081406.D
1,3,5-Trimethylbenzene	21,620	1.00	0.830 g	U	U	S23081406.D
1,2,4-Trimethylbenzene	21,620	1.00	0.830 g	U	U	S23081406.D
1,3-Dichlorobenzene	21,620	1.00	0.750 g	U	U	S23081406.D
1,4-Dichlorobenzene	21,620	1.00	0.750 g	U	U	S23081406.D
1,2-Dichlorobenzene	21,620	1.00	0.750 g	U	U	S23081406.D
1,2,4-Trichlorobenzene	21,620	1.00	0.390 g	U	U	S23081406.D
Naphthalene	21,620	1.00	0.800 g	U	U	S23081406.D
1,2,3-Trichlorobenzene	21,620	1.00	0.390 g	U	U	S23081406.D
2-Methylnaphthalene	21,620	1.00	0.760 g	U	U	S23081406.D
TPH C4-C9	21,620	1.00	0.590 g	U	U	S23081406.D
TPH C10-C15	21,620	1.00	0.690 g	U	U	S23081406.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-03 **Sample Name:** PSG-02						
Vinyl Chloride	21,600	1.00	0.810	U	U	S23081407.D
1,1-Dichloroethene	21,600	1.00	0.330	U	U	S23081407.D
Methylene Chloride	21,600	1.00	0.350 g	U	U	S23081407.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,600	1.00	0.890 g	U	U	S23081407.D
trans-1,2-Dichloroethene	21,600	1.00	0.440	U	U	S23081407.D
Methyl-t-butyl ether	21,600	1.00	0.500 g	U	U	S23081407.D
1,1-Dichloroethane	21,600	1.00	0.850	U	U	S23081407.D
cis-1,2-Dichloroethene	21,600	1.00	0.530	U	U	S23081407.D
Chloroform	21,600	1.00	0.350 g	U	U	S23081407.D
1,2-Dichloroethane	21,600	1.00	0.560	U	U	S23081407.D
1,1,1-Trichloroethane	21,600	1.00	1.050	U	U	S23081407.D
Carbon Tetrachloride	21,600	1.00	0.430 g	U	U	S23081407.D
Benzene	21,600	1.00	0.530	64.96	5.67	S23081407.D
Trichloroethene	21,600	1.00	0.330	U	U	S23081407.D
1,4-Dioxane	21,600	1.00	0.410 g	U	U	S23081407.D
1,1,2-Trichloroethane	21,600	1.00	0.330 g	U	U	S23081407.D
Toluene	21,600	1.00	0.400	34.21	3.96	S23081407.D
1,2-Dibromoethane (EDB)	21,600	1.00	0.390 g	U	U	S23081407.D
Tetrachloroethene	21,600	1.00	0.410	U	U	S23081407.D
1,1,1,2-Tetrachloroethane	21,600	1.00	0.410 g	U	U	S23081407.D
Chlorobenzene	21,600	1.00	0.850 g	U	U	S23081407.D
Ethylbenzene	21,600	1.00	0.850	U	U	S23081407.D
p & m-Xylene	21,600	1.00	0.880	44.74	2.35	S23081407.D
o-Xylene	21,600	1.00	0.880	U	U	S23081407.D
1,2,3-Trichloropropane	21,600	1.00	0.750 g	U	U	S23081407.D
Isopropylbenzene	21,600	1.00	0.830 g	U	U	S23081407.D
1,3,5-Trimethylbenzene	21,600	1.00	0.830 g	U	U	S23081407.D
1,2,4-Trimethylbenzene	21,600	1.00	0.830 g	28.52	1.59	S23081407.D
1,3-Dichlorobenzene	21,600	1.00	0.750 g	U	U	S23081407.D
1,4-Dichlorobenzene	21,600	1.00	0.750 g	U	U	S23081407.D
1,2-Dichlorobenzene	21,600	1.00	0.750 g	U	U	S23081407.D
1,2,4-Trichlorobenzene	21,600	1.00	0.390 g	U	U	S23081407.D
Naphthalene	21,600	1.00	0.800 g	U	U	S23081407.D
1,2,3-Trichlorobenzene	21,600	1.00	0.390 g	U	U	S23081407.D
2-Methylnaphthalene	21,600	1.00	0.760 g	U	U	S23081407.D
TPH C4-C9	21,600	1.00	0.590 g	U	U	S23081407.D
TPH C10-C15	21,600	1.00	0.690 g	13222.06	887	S23081407.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-04 **Sample Name:** PSG-03						
Vinyl Chloride	20,392	1.00	0.810	U	U	S23081408.D
1,1-Dichloroethene	20,392	1.00	0.330	U	U	S23081408.D
Methylene Chloride	20,392	1.00	0.350 g	U	U	S23081408.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,392	1.00	0.890 g	U	U	S23081408.D
trans-1,2-Dichloroethene	20,392	1.00	0.440	U	U	S23081408.D
Methyl-t-butyl ether	20,392	1.00	0.500 g	U	U	S23081408.D
1,1-Dichloroethane	20,392	1.00	0.850	U	U	S23081408.D
cis-1,2-Dichloroethene	20,392	1.00	0.530	U	U	S23081408.D
Chloroform	20,392	1.00	0.350 g	U	U	S23081408.D
1,2-Dichloroethane	20,392	1.00	0.560	U	U	S23081408.D
1,1,1-Trichloroethane	20,392	1.00	1.050	U	U	S23081408.D
Carbon Tetrachloride	20,392	1.00	0.430 g	U	U	S23081408.D
Benzene	20,392	1.00	0.530	41.09	3.80	S23081408.D
Trichloroethene	20,392	1.00	0.330	U	U	S23081408.D
1,4-Dioxane	20,392	1.00	0.410 g	U	U	S23081408.D
1,1,2-Trichloroethane	20,392	1.00	0.330 g	U	U	S23081408.D
Toluene	20,392	1.00	0.400	26.43	3.24	S23081408.D
1,2-Dibromoethane (EDB)	20,392	1.00	0.390 g	U	U	S23081408.D
Tetrachloroethene	20,392	1.00	0.410	U	U	S23081408.D
1,1,1,2-Tetrachloroethane	20,392	1.00	0.410 g	U	U	S23081408.D
Chlorobenzene	20,392	1.00	0.850 g	U	U	S23081408.D
Ethylbenzene	20,392	1.00	0.850	U	U	S23081408.D
p & m-Xylene	20,392	1.00	0.880	U	U	S23081408.D
o-Xylene	20,392	1.00	0.880	U	U	S23081408.D
1,2,3-Trichloropropane	20,392	1.00	0.750 g	U	U	S23081408.D
Isopropylbenzene	20,392	1.00	0.830 g	U	U	S23081408.D
1,3,5-Trimethylbenzene	20,392	1.00	0.830 g	U	U	S23081408.D
1,2,4-Trimethylbenzene	20,392	1.00	0.830 g	U	U	S23081408.D
1,3-Dichlorobenzene	20,392	1.00	0.750 g	U	U	S23081408.D
1,4-Dichlorobenzene	20,392	1.00	0.750 g	U	U	S23081408.D
1,2-Dichlorobenzene	20,392	1.00	0.750 g	U	U	S23081408.D
1,2,4-Trichlorobenzene	20,392	1.00	0.390 g	U	U	S23081408.D
Naphthalene	20,392	1.00	0.800 g	U	U	S23081408.D
1,2,3-Trichlorobenzene	20,392	1.00	0.390 g	U	U	S23081408.D
2-Methylnaphthalene	20,392	1.00	0.760 g	U	U	S23081408.D
TPH C4-C9	20,392	1.00	0.590 g	U	U	S23081408.D
TPH C10-C15	20,392	1.00	0.690 g	13494.78	959	S23081408.D

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-05 **Sample Name:** PSG-04						
Vinyl Chloride	20,400	1.00	0.810	U	U	S23081409.D
1,1-Dichloroethene	20,400	1.00	0.330	U	U	S23081409.D
Methylene Chloride	20,400	1.00	0.350 g	U	U	S23081409.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,400	1.00	0.890 g	U	U	S23081409.D
trans-1,2-Dichloroethene	20,400	1.00	0.440	U	U	S23081409.D
Methyl-t-butyl ether	20,400	1.00	0.500 g	U	U	S23081409.D
1,1-Dichloroethane	20,400	1.00	0.850	U	U	S23081409.D
cis-1,2-Dichloroethene	20,400	1.00	0.530	U	U	S23081409.D
Chloroform	20,400	1.00	0.350 g	U	U	S23081409.D
1,2-Dichloroethane	20,400	1.00	0.560	U	U	S23081409.D
1,1,1-Trichloroethane	20,400	1.00	1.050	U	U	S23081409.D
Carbon Tetrachloride	20,400	1.00	0.430 g	U	U	S23081409.D
Benzene	20,400	1.00	0.530	47.65	4.41	S23081409.D
Trichloroethene	20,400	1.00	0.330	U	U	S23081409.D
1,4-Dioxane	20,400	1.00	0.410 g	U	U	S23081409.D
1,1,2-Trichloroethane	20,400	1.00	0.330 g	U	U	S23081409.D
Toluene	20,400	1.00	0.400	U	U	S23081409.D
1,2-Dibromoethane (EDB)	20,400	1.00	0.390 g	U	U	S23081409.D
Tetrachloroethene	20,400	1.00	0.410	U	U	S23081409.D
1,1,1,2-Tetrachloroethane	20,400	1.00	0.410 g	U	U	S23081409.D
Chlorobenzene	20,400	1.00	0.850 g	U	U	S23081409.D
Ethylbenzene	20,400	1.00	0.850	U	U	S23081409.D
p & m-Xylene	20,400	1.00	0.880	U	U	S23081409.D
o-Xylene	20,400	1.00	0.880	U	U	S23081409.D
1,2,3-Trichloropropane	20,400	1.00	0.750 g	U	U	S23081409.D
Isopropylbenzene	20,400	1.00	0.830 g	U	U	S23081409.D
1,3,5-Trimethylbenzene	20,400	1.00	0.830 g	U	U	S23081409.D
1,2,4-Trimethylbenzene	20,400	1.00	0.830 g	U	U	S23081409.D
1,3-Dichlorobenzene	20,400	1.00	0.750 g	U	U	S23081409.D
1,4-Dichlorobenzene	20,400	1.00	0.750 g	U	U	S23081409.D
1,2-Dichlorobenzene	20,400	1.00	0.750 g	U	U	S23081409.D
1,2,4-Trichlorobenzene	20,400	1.00	0.390 g	U	U	S23081409.D
Naphthalene	20,400	1.00	0.800 g	U	U	S23081409.D
1,2,3-Trichlorobenzene	20,400	1.00	0.390 g	U	U	S23081409.D
2-Methylnaphthalene	20,400	1.00	0.760 g	U	U	S23081409.D
TPH C4-C9	20,400	1.00	0.590 g	U	U	S23081409.D
TPH C10-C15	20,400	1.00	0.690 g	5627.27	400	S23081409.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-06 **Sample Name:** PSG-05						
Vinyl Chloride	21,428	1.00	0.810	U	U	S23081410.D
1,1-Dichloroethene	21,428	1.00	0.330	U	U	S23081410.D
Methylene Chloride	21,428	1.00	0.350 g	U	U	S23081410.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,428	1.00	0.890 g	U	U	S23081410.D
trans-1,2-Dichloroethene	21,428	1.00	0.440	U	U	S23081410.D
Methyl-t-butyl ether	21,428	1.00	0.500 g	U	U	S23081410.D
1,1-Dichloroethane	21,428	1.00	0.850	U	U	S23081410.D
cis-1,2-Dichloroethene	21,428	1.00	0.530	U	U	S23081410.D
Chloroform	21,428	1.00	0.350 g	U	U	S23081410.D
1,2-Dichloroethane	21,428	1.00	0.560	U	U	S23081410.D
1,1,1-Trichloroethane	21,428	1.00	1.050	U	U	S23081410.D
Carbon Tetrachloride	21,428	1.00	0.430 g	U	U	S23081410.D
Benzene	21,428	1.00	0.530	86.02	7.57	S23081410.D
Trichloroethene	21,428	1.00	0.330	U	U	S23081410.D
1,4-Dioxane	21,428	1.00	0.410 g	U	U	S23081410.D
1,1,2-Trichloroethane	21,428	1.00	0.330 g	U	U	S23081410.D
Toluene	21,428	1.00	0.400	54.56	6.37	S23081410.D
1,2-Dibromoethane (EDB)	21,428	1.00	0.390 g	U	U	S23081410.D
Tetrachloroethene	21,428	1.00	0.410	U	U	S23081410.D
1,1,1,2-Tetrachloroethane	21,428	1.00	0.410 g	U	U	S23081410.D
Chlorobenzene	21,428	1.00	0.850 g	U	U	S23081410.D
Ethylbenzene	21,428	1.00	0.850	U	U	S23081410.D
p & m-Xylene	21,428	1.00	0.880	44.81	2.38	S23081410.D
o-Xylene	21,428	1.00	0.880	26.56	1.41	S23081410.D
1,2,3-Trichloropropane	21,428	1.00	0.750 g	U	U	S23081410.D
Isopropylbenzene	21,428	1.00	0.830 g	U	U	S23081410.D
1,3,5-Trimethylbenzene	21,428	1.00	0.830 g	26.52	1.49	S23081410.D
1,2,4-Trimethylbenzene	21,428	1.00	0.830 g	81.75	4.60	S23081410.D
1,3-Dichlorobenzene	21,428	1.00	0.750 g	U	U	S23081410.D
1,4-Dichlorobenzene	21,428	1.00	0.750 g	U	U	S23081410.D
1,2-Dichlorobenzene	21,428	1.00	0.750 g	U	U	S23081410.D
1,2,4-Trichlorobenzene	21,428	1.00	0.390 g	U	U	S23081410.D
Naphthalene	21,428	1.00	0.800 g	31.55	1.84	S23081410.D
1,2,3-Trichlorobenzene	21,428	1.00	0.390 g	U	U	S23081410.D
2-Methylnaphthalene	21,428	1.00	0.760 g	33.47	2.06	S23081410.D
TPH C4-C9	21,428	1.00	0.590 g	11173.75	884	S23081410.D
TPH C10-C15	21,428	1.00	0.690 g	96801.65	6,550	S23081410.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-07 **Sample Name:** PSG-06						
Vinyl Chloride	21,420	1.00	0.810	U	U	S23081411.D
1,1-Dichloroethene	21,420	1.00	0.330	U	U	S23081411.D
Methylene Chloride	21,420	1.00	0.350 g	U	U	S23081411.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,420	1.00	0.890 g	U	U	S23081411.D
trans-1,2-Dichloroethene	21,420	1.00	0.440	U	U	S23081411.D
Methyl-t-butyl ether	21,420	1.00	0.500 g	U	U	S23081411.D
1,1-Dichloroethane	21,420	1.00	0.850	U	U	S23081411.D
cis-1,2-Dichloroethene	21,420	1.00	0.530	U	U	S23081411.D
Chloroform	21,420	1.00	0.350 g	U	U	S23081411.D
1,2-Dichloroethane	21,420	1.00	0.560	U	U	S23081411.D
1,1,1-Trichloroethane	21,420	1.00	1.050	U	U	S23081411.D
Carbon Tetrachloride	21,420	1.00	0.430 g	U	U	S23081411.D
Benzene	21,420	1.00	0.530	173.62	15.3	S23081411.D
Trichloroethene	21,420	1.00	0.330	U	U	S23081411.D
1,4-Dioxane	21,420	1.00	0.410 g	U	U	S23081411.D
1,1,2-Trichloroethane	21,420	1.00	0.330 g	U	U	S23081411.D
Toluene	21,420	1.00	0.400	55.42	6.47	S23081411.D
1,2-Dibromoethane (EDB)	21,420	1.00	0.390 g	U	U	S23081411.D
Tetrachloroethene	21,420	1.00	0.410	U	U	S23081411.D
1,1,1,2-Tetrachloroethane	21,420	1.00	0.410 g	U	U	S23081411.D
Chlorobenzene	21,420	1.00	0.850 g	U	U	S23081411.D
Ethylbenzene	21,420	1.00	0.850	U	U	S23081411.D
p & m-Xylene	21,420	1.00	0.880	U	U	S23081411.D
o-Xylene	21,420	1.00	0.880	U	U	S23081411.D
1,2,3-Trichloropropane	21,420	1.00	0.750 g	U	U	S23081411.D
Isopropylbenzene	21,420	1.00	0.830 g	U	U	S23081411.D
1,3,5-Trimethylbenzene	21,420	1.00	0.830 g	U	U	S23081411.D
1,2,4-Trimethylbenzene	21,420	1.00	0.830 g	U	U	S23081411.D
1,3-Dichlorobenzene	21,420	1.00	0.750 g	U	U	S23081411.D
1,4-Dichlorobenzene	21,420	1.00	0.750 g	U	U	S23081411.D
1,2-Dichlorobenzene	21,420	1.00	0.750 g	U	U	S23081411.D
1,2,4-Trichlorobenzene	21,420	1.00	0.390 g	U	U	S23081411.D
Naphthalene	21,420	1.00	0.800 g	79.64	4.65	S23081411.D
1,2,3-Trichlorobenzene	21,420	1.00	0.390 g	U	U	S23081411.D
2-Methylnaphthalene	21,420	1.00	0.760 g	82.03	5.04	S23081411.D
TPH C4-C9	21,420	1.00	0.590 g	52074.60	4,120	S23081411.D
TPH C10-C15	21,420	1.00	0.690 g	384248.00	26,000	S23081411.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Lab ID: 0007137-08 **Sample Name:** PSG-07

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Vinyl Chloride	21,417	1.00	0.810	U	U	S23081412.D
1,1-Dichloroethene	21,417	1.00	0.330	U	U	S23081412.D
Methylene Chloride	21,417	1.00	0.350 g	U	U	S23081412.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,417	1.00	0.890 g	U	U	S23081412.D
trans-1,2-Dichloroethene	21,417	1.00	0.440	U	U	S23081412.D
Methyl-t-butyl ether	21,417	1.00	0.500 g	U	U	S23081412.D
1,1-Dichloroethane	21,417	1.00	0.850	U	U	S23081412.D
cis-1,2-Dichloroethene	21,417	1.00	0.530	U	U	S23081412.D
Chloroform	21,417	1.00	0.350 g	U	U	S23081412.D
1,2-Dichloroethane	21,417	1.00	0.560	U	U	S23081412.D
1,1,1-Trichloroethane	21,417	1.00	1.050	U	U	S23081412.D
Carbon Tetrachloride	21,417	1.00	0.430 g	U	U	S23081412.D
Benzene	21,417	1.00	0.530	46.19	4.07	S23081412.D
Trichloroethene	21,417	1.00	0.330	U	U	S23081412.D
1,4-Dioxane	21,417	1.00	0.410 g	U	U	S23081412.D
1,1,2-Trichloroethane	21,417	1.00	0.330 g	U	U	S23081412.D
Toluene	21,417	1.00	0.400	U	U	S23081412.D
1,2-Dibromoethane (EDB)	21,417	1.00	0.390 g	U	U	S23081412.D
Tetrachloroethene	21,417	1.00	0.410	U	U	S23081412.D
1,1,1,2-Tetrachloroethane	21,417	1.00	0.410 g	U	U	S23081412.D
Chlorobenzene	21,417	1.00	0.850 g	15.57	0.86	S23081412.D
Ethylbenzene	21,417	1.00	0.850	U	U	S23081412.D
p & m-Xylene	21,417	1.00	0.880	84.84	4.50	S23081412.D
o-Xylene	21,417	1.00	0.880	32.52	1.73	S23081412.D
1,2,3-Trichloropropane	21,417	1.00	0.750 g	U	U	S23081412.D
Isopropylbenzene	21,417	1.00	0.830 g	U	U	S23081412.D
1,3,5-Trimethylbenzene	21,417	1.00	0.830 g	U	U	S23081412.D
1,2,4-Trimethylbenzene	21,417	1.00	0.830 g	U	U	S23081412.D
1,3-Dichlorobenzene	21,417	1.00	0.750 g	U	U	S23081412.D
1,4-Dichlorobenzene	21,417	1.00	0.750 g	U	U	S23081412.D
1,2-Dichlorobenzene	21,417	1.00	0.750 g	U	U	S23081412.D
1,2,4-Trichlorobenzene	21,417	1.00	0.390 g	U	U	S23081412.D
Naphthalene	21,417	1.00	0.800 g	U	U	S23081412.D
1,2,3-Trichlorobenzene	21,417	1.00	0.390 g	U	U	S23081412.D
2-Methylnaphthalene	21,417	1.00	0.760 g	U	U	S23081412.D
TPH C4-C9	21,417	1.00	0.590 g	U	U	S23081412.D
TPH C10-C15	21,417	1.00	0.690 g	16730.00	1,130	S23081412.D

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Forest Hill, MD 21050 USA
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Lab ID: 0007137-09 **Sample Name:** PSG-08

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Vinyl Chloride	21,406	1.00	0.810	U	U	S23081413.D
1,1-Dichloroethene	21,406	1.00	0.330	14.77	2.09	S23081413.D
Methylene Chloride	21,406	1.00	0.350 g	U	U	S23081413.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,406	1.00	0.890 g	U	U	S23081413.D
trans-1,2-Dichloroethene	21,406	1.00	0.440	U	U	S23081413.D
Methyl-t-butyl ether	21,406	1.00	0.500 g	U	U	S23081413.D
1,1-Dichloroethane	21,406	1.00	0.850	50.84	2.79	S23081413.D
cis-1,2-Dichloroethene	21,406	1.00	0.530	U	U	S23081413.D
Chloroform	21,406	1.00	0.350 g	U	U	S23081413.D
1,2-Dichloroethane	21,406	1.00	0.560	U	U	S23081413.D
1,1,1-Trichloroethane	21,406	1.00	1.050	U	U	S23081413.D
Carbon Tetrachloride	21,406	1.00	0.430 g	U	U	S23081413.D
Benzene	21,406	1.00	0.530	68.81	6.07	S23081413.D
Trichloroethene	21,406	1.00	0.330	U	U	S23081413.D
1,4-Dioxane	21,406	1.00	0.410 g	U	U	S23081413.D
1,1,2-Trichloroethane	21,406	1.00	0.330 g	U	U	S23081413.D
Toluene	21,406	1.00	0.400	42.25	4.93	S23081413.D
1,2-Dibromoethane (EDB)	21,406	1.00	0.390 g	U	U	S23081413.D
Tetrachloroethene	21,406	1.00	0.410	U	U	S23081413.D
1,1,1,2-Tetrachloroethane	21,406	1.00	0.410 g	U	U	S23081413.D
Chlorobenzene	21,406	1.00	0.850 g	U	U	S23081413.D
Ethylbenzene	21,406	1.00	0.850	U	U	S23081413.D
p & m-Xylene	21,406	1.00	0.880	U	U	S23081413.D
o-Xylene	21,406	1.00	0.880	U	U	S23081413.D
1,2,3-Trichloropropane	21,406	1.00	0.750 g	U	U	S23081413.D
Isopropylbenzene	21,406	1.00	0.830 g	U	U	S23081413.D
1,3,5-Trimethylbenzene	21,406	1.00	0.830 g	U	U	S23081413.D
1,2,4-Trimethylbenzene	21,406	1.00	0.830 g	30.50	1.72	S23081413.D
1,3-Dichlorobenzene	21,406	1.00	0.750 g	U	U	S23081413.D
1,4-Dichlorobenzene	21,406	1.00	0.750 g	U	U	S23081413.D
1,2-Dichlorobenzene	21,406	1.00	0.750 g	U	U	S23081413.D
1,2,4-Trichlorobenzene	21,406	1.00	0.390 g	U	U	S23081413.D
Naphthalene	21,406	1.00	0.800 g	35.38	2.07	S23081413.D
1,2,3-Trichlorobenzene	21,406	1.00	0.390 g	U	U	S23081413.D
2-Methylnaphthalene	21,406	1.00	0.760 g	U	U	S23081413.D
TPH C4-C9	21,406	1.00	0.590 g	U	U	S23081413.D
TPH C10-C15	21,406	1.00	0.690 g	12895.10	873	S23081413.D

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-10 **Sample Name:** PSG-09						
Vinyl Chloride	20,189	1.00	0.810	U	U	S23081414.D
1,1-Dichloroethene	20,189	1.00	0.330	U	U	S23081414.D
Methylene Chloride	20,189	1.00	0.350 g	U	U	S23081414.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,189	1.00	0.890 g	U	U	S23081414.D
trans-1,2-Dichloroethene	20,189	1.00	0.440	U	U	S23081414.D
Methyl-t-butyl ether	20,189	1.00	0.500 g	U	U	S23081414.D
1,1-Dichloroethane	20,189	1.00	0.850	U	U	S23081414.D
cis-1,2-Dichloroethene	20,189	1.00	0.530	U	U	S23081414.D
Chloroform	20,189	1.00	0.350 g	11.63	1.65	S23081414.D
1,2-Dichloroethane	20,189	1.00	0.560	U	U	S23081414.D
1,1,1-Trichloroethane	20,189	1.00	1.050	10.26	0.48	S23081414.D
Carbon Tetrachloride	20,189	1.00	0.430 g	U	U	S23081414.D
Benzene	20,189	1.00	0.530	U	U	S23081414.D
Trichloroethene	20,189	1.00	0.330	U	U	S23081414.D
1,4-Dioxane	20,189	1.00	0.410 g	U	U	S23081414.D
1,1,2-Trichloroethane	20,189	1.00	0.330 g	U	U	S23081414.D
Toluene	20,189	1.00	0.400	U	U	S23081414.D
1,2-Dibromoethane (EDB)	20,189	1.00	0.390 g	U	U	S23081414.D
Tetrachloroethene	20,189	1.00	0.410	254.20	30.7	S23081414.D
1,1,1,2-Tetrachloroethane	20,189	1.00	0.410 g	U	U	S23081414.D
Chlorobenzene	20,189	1.00	0.850 g	U	U	S23081414.D
Ethylbenzene	20,189	1.00	0.850	U	U	S23081414.D
p & m-Xylene	20,189	1.00	0.880	U	U	S23081414.D
o-Xylene	20,189	1.00	0.880	U	U	S23081414.D
1,2,3-Trichloropropane	20,189	1.00	0.750 g	U	U	S23081414.D
Isopropylbenzene	20,189	1.00	0.830 g	U	U	S23081414.D
1,3,5-Trimethylbenzene	20,189	1.00	0.830 g	U	U	S23081414.D
1,2,4-Trimethylbenzene	20,189	1.00	0.830 g	U	U	S23081414.D
1,3-Dichlorobenzene	20,189	1.00	0.750 g	U	U	S23081414.D
1,4-Dichlorobenzene	20,189	1.00	0.750 g	U	U	S23081414.D
1,2-Dichlorobenzene	20,189	1.00	0.750 g	U	U	S23081414.D
1,2,4-Trichlorobenzene	20,189	1.00	0.390 g	U	U	S23081414.D
Naphthalene	20,189	1.00	0.800 g	U	U	S23081414.D
1,2,3-Trichlorobenzene	20,189	1.00	0.390 g	U	U	S23081414.D
2-Methylnaphthalene	20,189	1.00	0.760 g	U	U	S23081414.D
TPH C4-C9	20,189	1.00	0.590 g	U	U	S23081414.D
TPH C10-C15	20,189	1.00	0.690 g	6009.39	431	S23081414.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-11 **Sample Name:** PSG-10						
Vinyl Chloride	20,178	1.00	0.810	U	U	S23081415.D
1,1-Dichloroethene	20,178	1.00	0.330	19.75	2.97	S23081415.D
Methylene Chloride	20,178	1.00	0.350 g	U	U	S23081415.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,178	1.00	0.890 g	U	U	S23081415.D
trans-1,2-Dichloroethene	20,178	1.00	0.440	U	U	S23081415.D
Methyl-t-butyl ether	20,178	1.00	0.500 g	U	U	S23081415.D
1,1-Dichloroethane	20,178	1.00	0.850	U	U	S23081415.D
cis-1,2-Dichloroethene	20,178	1.00	0.530	U	U	S23081415.D
Chloroform	20,178	1.00	0.350 g	U	U	S23081415.D
1,2-Dichloroethane	20,178	1.00	0.560	U	U	S23081415.D
1,1,1-Trichloroethane	20,178	1.00	1.050	29.14	1.38	S23081415.D
Carbon Tetrachloride	20,178	1.00	0.430 g	U	U	S23081415.D
Benzene	20,178	1.00	0.530	45.47	4.25	S23081415.D
Trichloroethene	20,178	1.00	0.330	223.08	33.5	S23081415.D
1,4-Dioxane	20,178	1.00	0.410 g	U	U	S23081415.D
1,1,2-Trichloroethane	20,178	1.00	0.330 g	U	U	S23081415.D
Toluene	20,178	1.00	0.400	U	U	S23081415.D
1,2-Dibromoethane (EDB)	20,178	1.00	0.390 g	U	U	S23081415.D
Tetrachloroethene	20,178	1.00	0.410	3529.94	427	S23081415.D
1,1,1,2-Tetrachloroethane	20,178	1.00	0.410 g	U	U	S23081415.D
Chlorobenzene	20,178	1.00	0.850 g	U	U	S23081415.D
Ethylbenzene	20,178	1.00	0.850	U	U	S23081415.D
p & m-Xylene	20,178	1.00	0.880	U	U	S23081415.D
o-Xylene	20,178	1.00	0.880	U	U	S23081415.D
1,2,3-Trichloropropane	20,178	1.00	0.750 g	U	U	S23081415.D
Isopropylbenzene	20,178	1.00	0.830 g	U	U	S23081415.D
1,3,5-Trimethylbenzene	20,178	1.00	0.830 g	U	U	S23081415.D
1,2,4-Trimethylbenzene	20,178	1.00	0.830 g	U	U	S23081415.D
1,3-Dichlorobenzene	20,178	1.00	0.750 g	U	U	S23081415.D
1,4-Dichlorobenzene	20,178	1.00	0.750 g	U	U	S23081415.D
1,2-Dichlorobenzene	20,178	1.00	0.750 g	U	U	S23081415.D
1,2,4-Trichlorobenzene	20,178	1.00	0.390 g	U	U	S23081415.D
Naphthalene	20,178	1.00	0.800 g	89.32	5.53	S23081415.D
1,2,3-Trichlorobenzene	20,178	1.00	0.390 g	U	U	S23081415.D
2-Methylnaphthalene	20,178	1.00	0.760 g	57.57	3.75	S23081415.D
TPH C4-C9	20,178	1.00	0.590 g	7824.40	657	S23081415.D
TPH C10-C15	20,178	1.00	0.690 g	27719.41	1,990	S23081415.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-12 **Sample Name:** PSG-11						
Vinyl Chloride	20,185	1.00	0.810	U	U	S23081416.D
1,1-Dichloroethene	20,185	1.00	0.330	U	U	S23081416.D
Methylene Chloride	20,185	1.00	0.350 g	U	U	S23081416.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,185	1.00	0.890 g	U	U	S23081416.D
trans-1,2-Dichloroethene	20,185	1.00	0.440	U	U	S23081416.D
Methyl-t-butyl ether	20,185	1.00	0.500 g	U	U	S23081416.D
1,1-Dichloroethane	20,185	1.00	0.850	U	U	S23081416.D
cis-1,2-Dichloroethene	20,185	1.00	0.530	U	U	S23081416.D
Chloroform	20,185	1.00	0.350 g	U	U	S23081416.D
1,2-Dichloroethane	20,185	1.00	0.560	U	U	S23081416.D
1,1,1-Trichloroethane	20,185	1.00	1.050	U	U	S23081416.D
Carbon Tetrachloride	20,185	1.00	0.430 g	U	U	S23081416.D
Benzene	20,185	1.00	0.530	164.29	15.4	S23081416.D
Trichloroethene	20,185	1.00	0.330	U	U	S23081416.D
1,4-Dioxane	20,185	1.00	0.410 g	U	U	S23081416.D
1,1,2-Trichloroethane	20,185	1.00	0.330 g	U	U	S23081416.D
Toluene	20,185	1.00	0.400	139.64	17.3	S23081416.D
1,2-Dibromoethane (EDB)	20,185	1.00	0.390 g	U	U	S23081416.D
Tetrachloroethene	20,185	1.00	0.410	13.67	1.65	S23081416.D
1,1,1,2-Tetrachloroethane	20,185	1.00	0.410 g	U	U	S23081416.D
Chlorobenzene	20,185	1.00	0.850 g	U	U	S23081416.D
Ethylbenzene	20,185	1.00	0.850	54.79	3.19	S23081416.D
p & m-Xylene	20,185	1.00	0.880	114.36	6.44	S23081416.D
o-Xylene	20,185	1.00	0.880	55.44	3.12	S23081416.D
1,2,3-Trichloropropane	20,185	1.00	0.750 g	U	U	S23081416.D
Isopropylbenzene	20,185	1.00	0.830 g	350.50	20.9	S23081416.D
1,3,5-Trimethylbenzene	20,185	1.00	0.830 g	147.13	8.78	S23081416.D
1,2,4-Trimethylbenzene	20,185	19.18	0.830 g	59.38	68.0	S23081446.D
1,3-Dichlorobenzene	20,185	1.00	0.750 g	U	U	S23081416.D
1,4-Dichlorobenzene	20,185	1.00	0.750 g	U	U	S23081416.D
1,2-Dichlorobenzene	20,185	1.00	0.750 g	U	U	S23081416.D
1,2,4-Trichlorobenzene	20,185	1.00	0.390 g	U	U	S23081416.D
Naphthalene	20,185	19.18	0.800 g	158.68	188	S23081446.D
1,2,3-Trichlorobenzene	20,185	1.00	0.390 g	U	U	S23081416.D
2-Methylnaphthalene	20,185	19.18	0.760 g	863.58	1,080	S23081446.D
TPH C4-C9	20,185	1.00	0.590 g	173217.00	14,500	S23081416.D
TPH C10-C15	20,185	1.00	0.690 g	299828.80	21,500	S23081416.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-13 **Sample Name:** PSG-12						
Vinyl Chloride	20,443	1.00	0.810	U	U	S23081417.D
1,1-Dichloroethene	20,443	1.00	0.330	11.56	1.71	S23081417.D
Methylene Chloride	20,443	1.00	0.350 g	U	U	S23081417.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,443	1.00	0.890 g	U	U	S23081417.D
trans-1,2-Dichloroethene	20,443	1.00	0.440	U	U	S23081417.D
Methyl-t-butyl ether	20,443	1.00	0.500 g	U	U	S23081417.D
1,1-Dichloroethane	20,443	1.00	0.850	U	U	S23081417.D
cis-1,2-Dichloroethene	20,443	1.00	0.530	U	U	S23081417.D
Chloroform	20,443	1.00	0.350 g	U	U	S23081417.D
1,2-Dichloroethane	20,443	1.00	0.560	U	U	S23081417.D
1,1,1-Trichloroethane	20,443	1.00	1.050	51.99	2.42	S23081417.D
Carbon Tetrachloride	20,443	1.00	0.430 g	U	U	S23081417.D
Benzene	20,443	1.00	0.530	U	U	S23081417.D
Trichloroethene	20,443	1.00	0.330	U	U	S23081417.D
1,4-Dioxane	20,443	1.00	0.410 g	U	U	S23081417.D
1,1,2-Trichloroethane	20,443	1.00	0.330 g	U	U	S23081417.D
Toluene	20,443	1.00	0.400	U	U	S23081417.D
1,2-Dibromoethane (EDB)	20,443	1.00	0.390 g	U	U	S23081417.D
Tetrachloroethene	20,443	1.00	0.410	U	U	S23081417.D
1,1,1,2-Tetrachloroethane	20,443	1.00	0.410 g	U	U	S23081417.D
Chlorobenzene	20,443	1.00	0.850 g	U	U	S23081417.D
Ethylbenzene	20,443	1.00	0.850	103.20	5.94	S23081417.D
p & m-Xylene	20,443	1.00	0.880	487.24	27.1	S23081417.D
o-Xylene	20,443	1.00	0.880	207.63	11.5	S23081417.D
1,2,3-Trichloropropane	20,443	1.00	0.750 g	U	U	S23081417.D
Isopropylbenzene	20,443	1.00	0.830 g	U	U	S23081417.D
1,3,5-Trimethylbenzene	20,443	1.00	0.830 g	U	U	S23081417.D
1,2,4-Trimethylbenzene	20,443	1.00	0.830 g	U	U	S23081417.D
1,3-Dichlorobenzene	20,443	1.00	0.750 g	U	U	S23081417.D
1,4-Dichlorobenzene	20,443	1.00	0.750 g	U	U	S23081417.D
1,2-Dichlorobenzene	20,443	1.00	0.750 g	U	U	S23081417.D
1,2,4-Trichlorobenzene	20,443	1.00	0.390 g	U	U	S23081417.D
Naphthalene	20,443	1.00	0.800 g	U	U	S23081417.D
1,2,3-Trichlorobenzene	20,443	1.00	0.390 g	U	U	S23081417.D
2-Methylnaphthalene	20,443	1.00	0.760 g	137.18	8.83	S23081417.D
TPH C4-C9	20,443	1.00	0.590 g	U	U	S23081417.D
TPH C10-C15	20,443	1.00	0.690 g	11124.38	789	S23081417.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Lab ID: 0007137-14 **Sample Name:** PSG-13

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Vinyl Chloride	20,450	1.00	0.810	U	U	S23081418.D
1,1-Dichloroethene	20,450	1.00	0.330	U	U	S23081418.D
Methylene Chloride	20,450	1.00	0.350 g	U	U	S23081418.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,450	1.00	0.890 g	U	U	S23081418.D
trans-1,2-Dichloroethene	20,450	1.00	0.440	U	U	S23081418.D
Methyl-t-butyl ether	20,450	1.00	0.500 g	U	U	S23081418.D
1,1-Dichloroethane	20,450	1.00	0.850	U	U	S23081418.D
cis-1,2-Dichloroethene	20,450	1.00	0.530	U	U	S23081418.D
Chloroform	20,450	1.00	0.350 g	U	U	S23081418.D
1,2-Dichloroethane	20,450	1.00	0.560	U	U	S23081418.D
1,1,1-Trichloroethane	20,450	1.00	1.050	26.57	1.24	S23081418.D
Carbon Tetrachloride	20,450	1.00	0.430 g	U	U	S23081418.D
Benzene	20,450	1.00	0.530	196.20	18.1	S23081418.D
Trichloroethene	20,450	1.00	0.330	U	U	S23081418.D
1,4-Dioxane	20,450	1.00	0.410 g	U	U	S23081418.D
1,1,2-Trichloroethane	20,450	1.00	0.330 g	U	U	S23081418.D
Toluene	20,450	1.00	0.400	152.24	18.6	S23081418.D
1,2-Dibromoethane (EDB)	20,450	1.00	0.390 g	U	U	S23081418.D
Tetrachloroethene	20,450	1.00	0.410	U	U	S23081418.D
1,1,1,2-Tetrachloroethane	20,450	1.00	0.410 g	U	U	S23081418.D
Chlorobenzene	20,450	1.00	0.850 g	U	U	S23081418.D
Ethylbenzene	20,450	1.00	0.850	65.93	3.79	S23081418.D
p & m-Xylene	20,450	1.00	0.880	121.67	6.76	S23081418.D
o-Xylene	20,450	1.00	0.880	64.07	3.56	S23081418.D
1,2,3-Trichloropropane	20,450	1.00	0.750 g	U	U	S23081418.D
Isopropylbenzene	20,450	1.00	0.830 g	U	U	S23081418.D
1,3,5-Trimethylbenzene	20,450	1.00	0.830 g	U	U	S23081418.D
1,2,4-Trimethylbenzene	20,450	1.00	0.830 g	U	U	S23081418.D
1,3-Dichlorobenzene	20,450	1.00	0.750 g	U	U	S23081418.D
1,4-Dichlorobenzene	20,450	1.00	0.750 g	U	U	S23081418.D
1,2-Dichlorobenzene	20,450	1.00	0.750 g	U	U	S23081418.D
1,2,4-Trichlorobenzene	20,450	1.00	0.390 g	U	U	S23081418.D
Naphthalene	20,450	1.00	0.800 g	U	U	S23081418.D
1,2,3-Trichlorobenzene	20,450	1.00	0.390 g	U	U	S23081418.D
2-Methylnaphthalene	20,450	1.00	0.760 g	71.99	4.63	S23081418.D
TPH C4-C9	20,450	1.00	0.590 g	52145.27	4,320	S23081418.D
TPH C10-C15	20,450	1.00	0.690 g	66238.12	4,690	S23081418.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-15 **Sample Name:** PSG-14						
Vinyl Chloride	21,585	1.00	0.810	U	U	S23081419.D
1,1-Dichloroethene	21,585	1.00	0.330	U	U	S23081419.D
Methylene Chloride	21,585	1.00	0.350 g	U	U	S23081419.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,585	1.00	0.890 g	U	U	S23081419.D
trans-1,2-Dichloroethene	21,585	1.00	0.440	U	U	S23081419.D
Methyl-t-butyl ether	21,585	1.00	0.500 g	U	U	S23081419.D
1,1-Dichloroethane	21,585	1.00	0.850	U	U	S23081419.D
cis-1,2-Dichloroethene	21,585	1.00	0.530	U	U	S23081419.D
Chloroform	21,585	1.00	0.350 g	U	U	S23081419.D
1,2-Dichloroethane	21,585	1.00	0.560	U	U	S23081419.D
1,1,1-Trichloroethane	21,585	1.00	1.050	U	U	S23081419.D
Carbon Tetrachloride	21,585	1.00	0.430 g	U	U	S23081419.D
Benzene	21,585	1.00	0.530	54.62	4.77	S23081419.D
Trichloroethene	21,585	1.00	0.330	U	U	S23081419.D
1,4-Dioxane	21,585	1.00	0.410 g	U	U	S23081419.D
1,1,2-Trichloroethane	21,585	1.00	0.330 g	U	U	S23081419.D
Toluene	21,585	1.00	0.400	44.04	5.10	S23081419.D
1,2-Dibromoethane (EDB)	21,585	1.00	0.390 g	U	U	S23081419.D
Tetrachloroethene	21,585	1.00	0.410	16.31	1.84	S23081419.D
1,1,1,2-Tetrachloroethane	21,585	1.00	0.410 g	U	U	S23081419.D
Chlorobenzene	21,585	1.00	0.850 g	U	U	S23081419.D
Ethylbenzene	21,585	1.00	0.850	U	U	S23081419.D
p & m-Xylene	21,585	1.00	0.880	93.06	4.90	S23081419.D
o-Xylene	21,585	1.00	0.880	46.85	2.47	S23081419.D
1,2,3-Trichloropropane	21,585	1.00	0.750 g	U	U	S23081419.D
Isopropylbenzene	21,585	1.00	0.830 g	U	U	S23081419.D
1,3,5-Trimethylbenzene	21,585	1.00	0.830 g	U	U	S23081419.D
1,2,4-Trimethylbenzene	21,585	1.00	0.830 g	25.80	1.44	S23081419.D
1,3-Dichlorobenzene	21,585	1.00	0.750 g	U	U	S23081419.D
1,4-Dichlorobenzene	21,585	1.00	0.750 g	U	U	S23081419.D
1,2-Dichlorobenzene	21,585	1.00	0.750 g	U	U	S23081419.D
1,2,4-Trichlorobenzene	21,585	1.00	0.390 g	U	U	S23081419.D
Naphthalene	21,585	1.00	0.800 g	U	U	S23081419.D
1,2,3-Trichlorobenzene	21,585	1.00	0.390 g	U	U	S23081419.D
2-Methylnaphthalene	21,585	1.00	0.760 g	40.35	2.46	S23081419.D
TPH C4-C9	21,585	1.00	0.590 g	U	U	S23081419.D
TPH C10-C15	21,585	1.00	0.690 g	11923.30	801	S23081419.D

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-16 **Sample Name:** PSG-15						
Vinyl Chloride	21,569	1.00	0.810	U	U	S23081420.D
1,1-Dichloroethene	21,569	1.00	0.330	U	U	S23081420.D
Methylene Chloride	21,569	1.00	0.350 g	U	U	S23081420.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,569	1.00	0.890 g	U	U	S23081420.D
trans-1,2-Dichloroethene	21,569	1.00	0.440	U	U	S23081420.D
Methyl-t-butyl ether	21,569	1.00	0.500 g	U	U	S23081420.D
1,1-Dichloroethane	21,569	1.00	0.850	U	U	S23081420.D
cis-1,2-Dichloroethene	21,569	1.00	0.530	U	U	S23081420.D
Chloroform	21,569	1.00	0.350 g	U	U	S23081420.D
1,2-Dichloroethane	21,569	1.00	0.560	U	U	S23081420.D
1,1,1-Trichloroethane	21,569	1.00	1.050	U	U	S23081420.D
Carbon Tetrachloride	21,569	1.00	0.430 g	U	U	S23081420.D
Benzene	21,569	1.00	0.530	26.07	2.28	S23081420.D
Trichloroethene	21,569	1.00	0.330	U	U	S23081420.D
1,4-Dioxane	21,569	1.00	0.410 g	U	U	S23081420.D
1,1,2-Trichloroethane	21,569	1.00	0.330 g	U	U	S23081420.D
Toluene	21,569	1.00	0.400	U	U	S23081420.D
1,2-Dibromoethane (EDB)	21,569	1.00	0.390 g	U	U	S23081420.D
Tetrachloroethene	21,569	1.00	0.410	78.34	8.86	S23081420.D
1,1,1,2-Tetrachloroethane	21,569	1.00	0.410 g	U	U	S23081420.D
Chlorobenzene	21,569	1.00	0.850 g	U	U	S23081420.D
Ethylbenzene	21,569	1.00	0.850	28.54	1.56	S23081420.D
p & m-Xylene	21,569	1.00	0.880	151.61	7.99	S23081420.D
o-Xylene	21,569	1.00	0.880	68.79	3.62	S23081420.D
1,2,3-Trichloropropane	21,569	1.00	0.750 g	U	U	S23081420.D
Isopropylbenzene	21,569	1.00	0.830 g	U	U	S23081420.D
1,3,5-Trimethylbenzene	21,569	1.00	0.830 g	U	U	S23081420.D
1,2,4-Trimethylbenzene	21,569	1.00	0.830 g	U	U	S23081420.D
1,3-Dichlorobenzene	21,569	1.00	0.750 g	U	U	S23081420.D
1,4-Dichlorobenzene	21,569	1.00	0.750 g	U	U	S23081420.D
1,2-Dichlorobenzene	21,569	1.00	0.750 g	U	U	S23081420.D
1,2,4-Trichlorobenzene	21,569	1.00	0.390 g	U	U	S23081420.D
Naphthalene	21,569	1.00	0.800 g	U	U	S23081420.D
1,2,3-Trichlorobenzene	21,569	1.00	0.390 g	U	U	S23081420.D
2-Methylnaphthalene	21,569	1.00	0.760 g	U	U	S23081420.D
TPH C4-C9	21,569	1.00	0.590 g	U	U	S23081420.D
TPH C10-C15	21,569	1.00	0.690 g	5265.46	354	S23081420.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-17 **Sample Name:** PSG-15-Dup						
Vinyl Chloride	21,569	1.00	0.810	U	U	S23081421.D
1,1-Dichloroethene	21,569	1.00	0.330	U	U	S23081421.D
Methylene Chloride	21,569	1.00	0.350 g	U	U	S23081421.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,569	1.00	0.890 g	U	U	S23081421.D
trans-1,2-Dichloroethene	21,569	1.00	0.440	U	U	S23081421.D
Methyl-t-butyl ether	21,569	1.00	0.500 g	U	U	S23081421.D
1,1-Dichloroethane	21,569	1.00	0.850	U	U	S23081421.D
cis-1,2-Dichloroethene	21,569	1.00	0.530	U	U	S23081421.D
Chloroform	21,569	1.00	0.350 g	U	U	S23081421.D
1,2-Dichloroethane	21,569	1.00	0.560	U	U	S23081421.D
1,1,1-Trichloroethane	21,569	1.00	1.050	U	U	S23081421.D
Carbon Tetrachloride	21,569	1.00	0.430 g	U	U	S23081421.D
Benzene	21,569	1.00	0.530	U	U	S23081421.D
Trichloroethene	21,569	1.00	0.330	U	U	S23081421.D
1,4-Dioxane	21,569	1.00	0.410 g	U	U	S23081421.D
1,1,2-Trichloroethane	21,569	1.00	0.330 g	U	U	S23081421.D
Toluene	21,569	1.00	0.400	U	U	S23081421.D
1,2-Dibromoethane (EDB)	21,569	1.00	0.390 g	U	U	S23081421.D
Tetrachloroethene	21,569	1.00	0.410	52.28	5.91	S23081421.D
1,1,1,2-Tetrachloroethane	21,569	1.00	0.410 g	U	U	S23081421.D
Chlorobenzene	21,569	1.00	0.850 g	U	U	S23081421.D
Ethylbenzene	21,569	1.00	0.850	U	U	S23081421.D
p & m-Xylene	21,569	1.00	0.880	134.10	7.07	S23081421.D
o-Xylene	21,569	1.00	0.880	59.97	3.16	S23081421.D
1,2,3-Trichloropropane	21,569	1.00	0.750 g	U	U	S23081421.D
Isopropylbenzene	21,569	1.00	0.830 g	U	U	S23081421.D
1,3,5-Trimethylbenzene	21,569	1.00	0.830 g	U	U	S23081421.D
1,2,4-Trimethylbenzene	21,569	1.00	0.830 g	U	U	S23081421.D
1,3-Dichlorobenzene	21,569	1.00	0.750 g	U	U	S23081421.D
1,4-Dichlorobenzene	21,569	1.00	0.750 g	U	U	S23081421.D
1,2-Dichlorobenzene	21,569	1.00	0.750 g	U	U	S23081421.D
1,2,4-Trichlorobenzene	21,569	1.00	0.390 g	U	U	S23081421.D
Naphthalene	21,569	1.00	0.800 g	U	U	S23081421.D
1,2,3-Trichlorobenzene	21,569	1.00	0.390 g	U	U	S23081421.D
2-Methylnaphthalene	21,569	1.00	0.760 g	U	U	S23081421.D
TPH C4-C9	21,569	1.00	0.590 g	U	U	S23081421.D
TPH C10-C15	21,569	1.00	0.690 g	U	U	S23081421.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-18 **Sample Name:** PSG-16						
Vinyl Chloride	20,169	1.00	0.810	U	U	S23081422.D
1,1-Dichloroethene	20,169	1.00	0.330	U	U	S23081422.D
Methylene Chloride	20,169	1.00	0.350 g	U	U	S23081422.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,169	1.00	0.890 g	U	U	S23081422.D
trans-1,2-Dichloroethene	20,169	1.00	0.440	U	U	S23081422.D
Methyl-t-butyl ether	20,169	1.00	0.500 g	U	U	S23081422.D
1,1-Dichloroethane	20,169	1.00	0.850	U	U	S23081422.D
cis-1,2-Dichloroethene	20,169	1.00	0.530	U	U	S23081422.D
Chloroform	20,169	1.00	0.350 g	U	U	S23081422.D
1,2-Dichloroethane	20,169	1.00	0.560	U	U	S23081422.D
1,1,1-Trichloroethane	20,169	1.00	1.050	U	U	S23081422.D
Carbon Tetrachloride	20,169	1.00	0.430 g	U	U	S23081422.D
Benzene	20,169	1.00	0.530	U	U	S23081422.D
Trichloroethene	20,169	1.00	0.330	U	U	S23081422.D
1,4-Dioxane	20,169	1.00	0.410 g	U	U	S23081422.D
1,1,2-Trichloroethane	20,169	1.00	0.330 g	U	U	S23081422.D
Toluene	20,169	1.00	0.400	U	U	S23081422.D
1,2-Dibromoethane (EDB)	20,169	1.00	0.390 g	U	U	S23081422.D
Tetrachloroethene	20,169	1.00	0.410	U	U	S23081422.D
1,1,1,2-Tetrachloroethane	20,169	1.00	0.410 g	U	U	S23081422.D
Chlorobenzene	20,169	1.00	0.850 g	U	U	S23081422.D
Ethylbenzene	20,169	1.00	0.850	117.31	6.84	S23081422.D
p & m-Xylene	20,169	1.00	0.880	633.62	35.7	S23081422.D
o-Xylene	20,169	1.00	0.880	289.82	16.3	S23081422.D
1,2,3-Trichloropropane	20,169	1.00	0.750 g	U	U	S23081422.D
Isopropylbenzene	20,169	1.00	0.830 g	U	U	S23081422.D
1,3,5-Trimethylbenzene	20,169	1.00	0.830 g	92.76	5.54	S23081422.D
1,2,4-Trimethylbenzene	20,169	1.00	0.830 g	81.18	4.85	S23081422.D
1,3-Dichlorobenzene	20,169	1.00	0.750 g	U	U	S23081422.D
1,4-Dichlorobenzene	20,169	1.00	0.750 g	U	U	S23081422.D
1,2-Dichlorobenzene	20,169	1.00	0.750 g	U	U	S23081422.D
1,2,4-Trichlorobenzene	20,169	1.00	0.390 g	U	U	S23081422.D
Naphthalene	20,169	1.00	0.800 g	U	U	S23081422.D
1,2,3-Trichlorobenzene	20,169	1.00	0.390 g	U	U	S23081422.D
2-Methylnaphthalene	20,169	1.00	0.760 g	U	U	S23081422.D
TPH C4-C9	20,169	1.00	0.590 g	U	U	S23081422.D
TPH C10-C15	20,169	1.00	0.690 g	9073.09	652	S23081422.D

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-19 **Sample Name:** PSG-17						
Vinyl Chloride	20,166	1.00	0.810	U	U	S23081423.D
1,1-Dichloroethene	20,166	1.00	0.330	U	U	S23081423.D
Methylene Chloride	20,166	1.00	0.350 g	U	U	S23081423.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,166	1.00	0.890 g	U	U	S23081423.D
trans-1,2-Dichloroethene	20,166	1.00	0.440	U	U	S23081423.D
Methyl-t-butyl ether	20,166	1.00	0.500 g	U	U	S23081423.D
1,1-Dichloroethane	20,166	1.00	0.850	U	U	S23081423.D
cis-1,2-Dichloroethene	20,166	1.00	0.530	U	U	S23081423.D
Chloroform	20,166	1.00	0.350 g	U	U	S23081423.D
1,2-Dichloroethane	20,166	1.00	0.560	U	U	S23081423.D
1,1,1-Trichloroethane	20,166	1.00	1.050	10.61	0.50	S23081423.D
Carbon Tetrachloride	20,166	1.00	0.430 g	U	U	S23081423.D
Benzene	20,166	1.00	0.530	U	U	S23081423.D
Trichloroethene	20,166	1.00	0.330	U	U	S23081423.D
1,4-Dioxane	20,166	1.00	0.410 g	U	U	S23081423.D
1,1,2-Trichloroethane	20,166	1.00	0.330 g	U	U	S23081423.D
Toluene	20,166	1.00	0.400	U	U	S23081423.D
1,2-Dibromoethane (EDB)	20,166	1.00	0.390 g	U	U	S23081423.D
Tetrachloroethene	20,166	1.00	0.410	60.15	7.27	S23081423.D
1,1,1,2-Tetrachloroethane	20,166	1.00	0.410 g	U	U	S23081423.D
Chlorobenzene	20,166	1.00	0.850 g	U	U	S23081423.D
Ethylbenzene	20,166	1.00	0.850	U	U	S23081423.D
p & m-Xylene	20,166	1.00	0.880	28.24	1.59	S23081423.D
o-Xylene	20,166	1.00	0.880	U	U	S23081423.D
1,2,3-Trichloropropane	20,166	1.00	0.750 g	U	U	S23081423.D
Isopropylbenzene	20,166	1.00	0.830 g	U	U	S23081423.D
1,3,5-Trimethylbenzene	20,166	1.00	0.830 g	U	U	S23081423.D
1,2,4-Trimethylbenzene	20,166	1.00	0.830 g	U	U	S23081423.D
1,3-Dichlorobenzene	20,166	1.00	0.750 g	U	U	S23081423.D
1,4-Dichlorobenzene	20,166	1.00	0.750 g	U	U	S23081423.D
1,2-Dichlorobenzene	20,166	1.00	0.750 g	U	U	S23081423.D
1,2,4-Trichlorobenzene	20,166	1.00	0.390 g	U	U	S23081423.D
Naphthalene	20,166	1.00	0.800 g	U	U	S23081423.D
1,2,3-Trichlorobenzene	20,166	1.00	0.390 g	U	U	S23081423.D
2-Methylnaphthalene	20,166	1.00	0.760 g	U	U	S23081423.D
TPH C4-C9	20,166	1.00	0.590 g	U	U	S23081423.D
TPH C10-C15	20,166	1.00	0.690 g	U	U	S23081423.D

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-20 **Sample Name:** PSG-18						
Vinyl Chloride	21,417	1.00	0.810	U	U	S23081424.D
1,1-Dichloroethene	21,417	1.00	0.330	U	U	S23081424.D
Methylene Chloride	21,417	1.00	0.350 g	U	U	S23081424.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,417	1.00	0.890 g	U	U	S23081424.D
trans-1,2-Dichloroethene	21,417	1.00	0.440	U	U	S23081424.D
Methyl-t-butyl ether	21,417	1.00	0.500 g	U	U	S23081424.D
1,1-Dichloroethane	21,417	1.00	0.850	U	U	S23081424.D
cis-1,2-Dichloroethene	21,417	1.00	0.530	U	U	S23081424.D
Chloroform	21,417	1.00	0.350 g	U	U	S23081424.D
1,2-Dichloroethane	21,417	1.00	0.560	U	U	S23081424.D
1,1,1-Trichloroethane	21,417	1.00	1.050	U	U	S23081424.D
Carbon Tetrachloride	21,417	1.00	0.430 g	U	U	S23081424.D
Benzene	21,417	1.00	0.530	57.76	5.09	S23081424.D
Trichloroethene	21,417	1.00	0.330	U	U	S23081424.D
1,4-Dioxane	21,417	1.00	0.410 g	U	U	S23081424.D
1,1,2-Trichloroethane	21,417	1.00	0.330 g	U	U	S23081424.D
Toluene	21,417	1.00	0.400	U	U	S23081424.D
1,2-Dibromoethane (EDB)	21,417	1.00	0.390 g	U	U	S23081424.D
Tetrachloroethene	21,417	1.00	0.410	U	U	S23081424.D
1,1,1,2-Tetrachloroethane	21,417	1.00	0.410 g	U	U	S23081424.D
Chlorobenzene	21,417	1.00	0.850 g	U	U	S23081424.D
Ethylbenzene	21,417	1.00	0.850	U	U	S23081424.D
p & m-Xylene	21,417	1.00	0.880	U	U	S23081424.D
o-Xylene	21,417	1.00	0.880	U	U	S23081424.D
1,2,3-Trichloropropane	21,417	1.00	0.750 g	U	U	S23081424.D
Isopropylbenzene	21,417	1.00	0.830 g	U	U	S23081424.D
1,3,5-Trimethylbenzene	21,417	1.00	0.830 g	U	U	S23081424.D
1,2,4-Trimethylbenzene	21,417	1.00	0.830 g	U	U	S23081424.D
1,3-Dichlorobenzene	21,417	1.00	0.750 g	U	U	S23081424.D
1,4-Dichlorobenzene	21,417	1.00	0.750 g	U	U	S23081424.D
1,2-Dichlorobenzene	21,417	1.00	0.750 g	U	U	S23081424.D
1,2,4-Trichlorobenzene	21,417	1.00	0.390 g	U	U	S23081424.D
Naphthalene	21,417	1.00	0.800 g	U	U	S23081424.D
1,2,3-Trichlorobenzene	21,417	1.00	0.390 g	U	U	S23081424.D
2-Methylnaphthalene	21,417	1.00	0.760 g	39.41	2.42	S23081424.D
TPH C4-C9	21,417	1.00	0.590 g	U	U	S23081424.D
TPH C10-C15	21,417	1.00	0.690 g	13829.22	936	S23081424.D

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-21 **Sample Name:** PSG-19						
Vinyl Chloride	21,414	1.00	0.810	U	U	S23081425.D
1,1-Dichloroethene	21,414	1.00	0.330	U	U	S23081425.D
Methylene Chloride	21,414	1.00	0.350 g	U	U	S23081425.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,414	1.00	0.890 g	U	U	S23081425.D
trans-1,2-Dichloroethene	21,414	1.00	0.440	U	U	S23081425.D
Methyl-t-butyl ether	21,414	1.00	0.500 g	U	U	S23081425.D
1,1-Dichloroethane	21,414	1.00	0.850	U	U	S23081425.D
cis-1,2-Dichloroethene	21,414	1.00	0.530	U	U	S23081425.D
Chloroform	21,414	1.00	0.350 g	U	U	S23081425.D
1,2-Dichloroethane	21,414	1.00	0.560	U	U	S23081425.D
1,1,1-Trichloroethane	21,414	1.00	1.050	U	U	S23081425.D
Carbon Tetrachloride	21,414	1.00	0.430 g	U	U	S23081425.D
Benzene	21,414	1.00	0.530	36.81	3.24	S23081425.D
Trichloroethene	21,414	1.00	0.330	U	U	S23081425.D
1,4-Dioxane	21,414	1.00	0.410 g	U	U	S23081425.D
1,1,2-Trichloroethane	21,414	1.00	0.330 g	U	U	S23081425.D
Toluene	21,414	1.00	0.400	U	U	S23081425.D
1,2-Dibromoethane (EDB)	21,414	1.00	0.390 g	U	U	S23081425.D
Tetrachloroethene	21,414	1.00	0.410	U	U	S23081425.D
1,1,1,2-Tetrachloroethane	21,414	1.00	0.410 g	U	U	S23081425.D
Chlorobenzene	21,414	1.00	0.850 g	U	U	S23081425.D
Ethylbenzene	21,414	1.00	0.850	U	U	S23081425.D
p & m-Xylene	21,414	1.00	0.880	U	U	S23081425.D
o-Xylene	21,414	1.00	0.880	U	U	S23081425.D
1,2,3-Trichloropropane	21,414	1.00	0.750 g	U	U	S23081425.D
Isopropylbenzene	21,414	1.00	0.830 g	U	U	S23081425.D
1,3,5-Trimethylbenzene	21,414	1.00	0.830 g	30.46	1.71	S23081425.D
1,2,4-Trimethylbenzene	21,414	1.00	0.830 g	62.13	3.50	S23081425.D
1,3-Dichlorobenzene	21,414	1.00	0.750 g	U	U	S23081425.D
1,4-Dichlorobenzene	21,414	1.00	0.750 g	U	U	S23081425.D
1,2-Dichlorobenzene	21,414	1.00	0.750 g	U	U	S23081425.D
1,2,4-Trichlorobenzene	21,414	1.00	0.390 g	U	U	S23081425.D
Naphthalene	21,414	1.00	0.800 g	40.26	2.35	S23081425.D
1,2,3-Trichlorobenzene	21,414	1.00	0.390 g	U	U	S23081425.D
2-Methylnaphthalene	21,414	1.00	0.760 g	48.46	2.98	S23081425.D
TPH C4-C9	21,414	1.00	0.590 g	U	U	S23081425.D
TPH C10-C15	21,414	1.00	0.690 g	89528.69	6,060	S23081425.D

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-22 **Sample Name:** PSG-20						
Vinyl Chloride	20,401	1.00	0.810	U	U	S23081426.D
1,1-Dichloroethene	20,401	1.00	0.330	U	U	S23081426.D
Methylene Chloride	20,401	1.00	0.350 g	U	U	S23081426.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,401	1.00	0.890 g	U	U	S23081426.D
trans-1,2-Dichloroethene	20,401	1.00	0.440	U	U	S23081426.D
Methyl-t-butyl ether	20,401	1.00	0.500 g	U	U	S23081426.D
1,1-Dichloroethane	20,401	1.00	0.850	U	U	S23081426.D
cis-1,2-Dichloroethene	20,401	1.00	0.530	U	U	S23081426.D
Chloroform	20,401	1.00	0.350 g	U	U	S23081426.D
1,2-Dichloroethane	20,401	1.00	0.560	U	U	S23081426.D
1,1,1-Trichloroethane	20,401	1.00	1.050	U	U	S23081426.D
Carbon Tetrachloride	20,401	1.00	0.430 g	U	U	S23081426.D
Benzene	20,401	1.00	0.530	64.91	6.00	S23081426.D
Trichloroethene	20,401	1.00	0.330	U	U	S23081426.D
1,4-Dioxane	20,401	1.00	0.410 g	U	U	S23081426.D
1,1,2-Trichloroethane	20,401	1.00	0.330 g	U	U	S23081426.D
Toluene	20,401	1.00	0.400	U	U	S23081426.D
1,2-Dibromoethane (EDB)	20,401	1.00	0.390 g	U	U	S23081426.D
Tetrachloroethene	20,401	1.00	0.410	U	U	S23081426.D
1,1,1,2-Tetrachloroethane	20,401	1.00	0.410 g	U	U	S23081426.D
Chlorobenzene	20,401	1.00	0.850 g	U	U	S23081426.D
Ethylbenzene	20,401	1.00	0.850	U	U	S23081426.D
p & m-Xylene	20,401	1.00	0.880	U	U	S23081426.D
o-Xylene	20,401	1.00	0.880	U	U	S23081426.D
1,2,3-Trichloropropane	20,401	1.00	0.750 g	U	U	S23081426.D
Isopropylbenzene	20,401	1.00	0.830 g	U	U	S23081426.D
1,3,5-Trimethylbenzene	20,401	1.00	0.830 g	U	U	S23081426.D
1,2,4-Trimethylbenzene	20,401	1.00	0.830 g	U	U	S23081426.D
1,3-Dichlorobenzene	20,401	1.00	0.750 g	U	U	S23081426.D
1,4-Dichlorobenzene	20,401	1.00	0.750 g	U	U	S23081426.D
1,2-Dichlorobenzene	20,401	1.00	0.750 g	U	U	S23081426.D
1,2,4-Trichlorobenzene	20,401	1.00	0.390 g	U	U	S23081426.D
Naphthalene	20,401	1.00	0.800 g	U	U	S23081426.D
1,2,3-Trichlorobenzene	20,401	1.00	0.390 g	U	U	S23081426.D
2-Methylnaphthalene	20,401	1.00	0.760 g	U	U	S23081426.D
TPH C4-C9	20,401	1.00	0.590 g	6805.17	565	S23081426.D
TPH C10-C15	20,401	1.00	0.690 g	47212.01	3,350	S23081426.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Lab ID: 0007137-23 **Sample Name:** PSG-20-Dup

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Vinyl Chloride	20,401	1.00	0.810	U	U	S23081427.D
1,1-Dichloroethene	20,401	1.00	0.330	U	U	S23081427.D
Methylene Chloride	20,401	1.00	0.350 g	U	U	S23081427.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,401	1.00	0.890 g	U	U	S23081427.D
trans-1,2-Dichloroethene	20,401	1.00	0.440	U	U	S23081427.D
Methyl-t-butyl ether	20,401	1.00	0.500 g	U	U	S23081427.D
1,1-Dichloroethane	20,401	1.00	0.850	U	U	S23081427.D
cis-1,2-Dichloroethene	20,401	1.00	0.530	U	U	S23081427.D
Chloroform	20,401	1.00	0.350 g	U	U	S23081427.D
1,2-Dichloroethane	20,401	1.00	0.560	U	U	S23081427.D
1,1,1-Trichloroethane	20,401	1.00	1.050	U	U	S23081427.D
Carbon Tetrachloride	20,401	1.00	0.430 g	U	U	S23081427.D
Benzene	20,401	1.00	0.530	60.64	5.61	S23081427.D
Trichloroethene	20,401	1.00	0.330	U	U	S23081427.D
1,4-Dioxane	20,401	1.00	0.410 g	U	U	S23081427.D
1,1,2-Trichloroethane	20,401	1.00	0.330 g	U	U	S23081427.D
Toluene	20,401	1.00	0.400	U	U	S23081427.D
1,2-Dibromoethane (EDB)	20,401	1.00	0.390 g	U	U	S23081427.D
Tetrachloroethene	20,401	1.00	0.410	U	U	S23081427.D
1,1,1,2-Tetrachloroethane	20,401	1.00	0.410 g	U	U	S23081427.D
Chlorobenzene	20,401	1.00	0.850 g	U	U	S23081427.D
Ethylbenzene	20,401	1.00	0.850	U	U	S23081427.D
p & m-Xylene	20,401	1.00	0.880	U	U	S23081427.D
o-Xylene	20,401	1.00	0.880	U	U	S23081427.D
1,2,3-Trichloropropane	20,401	1.00	0.750 g	U	U	S23081427.D
Isopropylbenzene	20,401	1.00	0.830 g	U	U	S23081427.D
1,3,5-Trimethylbenzene	20,401	1.00	0.830 g	U	U	S23081427.D
1,2,4-Trimethylbenzene	20,401	1.00	0.830 g	U	U	S23081427.D
1,3-Dichlorobenzene	20,401	1.00	0.750 g	U	U	S23081427.D
1,4-Dichlorobenzene	20,401	1.00	0.750 g	U	U	S23081427.D
1,2-Dichlorobenzene	20,401	1.00	0.750 g	U	U	S23081427.D
1,2,4-Trichlorobenzene	20,401	1.00	0.390 g	U	U	S23081427.D
Naphthalene	20,401	1.00	0.800 g	U	U	S23081427.D
1,2,3-Trichlorobenzene	20,401	1.00	0.390 g	U	U	S23081427.D
2-Methylnaphthalene	20,401	1.00	0.760 g	U	U	S23081427.D
TPH C4-C9	20,401	1.00	0.590 g	6343.01	527	S23081427.D
TPH C10-C15	20,401	1.00	0.690 g	43282.48	3,070	S23081427.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-24 **Sample Name:** PSG-21						
Vinyl Chloride	20,407	1.00	0.810	U	U	S23081428.D
1,1-Dichloroethene	20,407	1.00	0.330	U	U	S23081428.D
Methylene Chloride	20,407	1.00	0.350 g	U	U	S23081428.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,407	1.00	0.890 g	U	U	S23081428.D
trans-1,2-Dichloroethene	20,407	1.00	0.440	U	U	S23081428.D
Methyl-t-butyl ether	20,407	1.00	0.500 g	U	U	S23081428.D
1,1-Dichloroethane	20,407	1.00	0.850	83.96	4.84	S23081428.D
cis-1,2-Dichloroethene	20,407	1.00	0.530	U	U	S23081428.D
Chloroform	20,407	1.00	0.350 g	U	U	S23081428.D
1,2-Dichloroethane	20,407	1.00	0.560	U	U	S23081428.D
1,1,1-Trichloroethane	20,407	1.00	1.050	U	U	S23081428.D
Carbon Tetrachloride	20,407	1.00	0.430 g	U	U	S23081428.D
Benzene	20,407	1.00	0.530	73.23	6.77	S23081428.D
Trichloroethene	20,407	1.00	0.330	U	U	S23081428.D
1,4-Dioxane	20,407	1.00	0.410 g	U	U	S23081428.D
1,1,2-Trichloroethane	20,407	1.00	0.330 g	U	U	S23081428.D
Toluene	20,407	1.00	0.400	40.56	4.97	S23081428.D
1,2-Dibromoethane (EDB)	20,407	1.00	0.390 g	U	U	S23081428.D
Tetrachloroethene	20,407	1.00	0.410	U	U	S23081428.D
1,1,1,2-Tetrachloroethane	20,407	1.00	0.410 g	U	U	S23081428.D
Chlorobenzene	20,407	1.00	0.850 g	U	U	S23081428.D
Ethylbenzene	20,407	1.00	0.850	U	U	S23081428.D
p & m-Xylene	20,407	1.00	0.880	U	U	S23081428.D
o-Xylene	20,407	1.00	0.880	U	U	S23081428.D
1,2,3-Trichloropropane	20,407	1.00	0.750 g	U	U	S23081428.D
Isopropylbenzene	20,407	1.00	0.830 g	U	U	S23081428.D
1,3,5-Trimethylbenzene	20,407	1.00	0.830 g	U	U	S23081428.D
1,2,4-Trimethylbenzene	20,407	1.00	0.830 g	41.39	2.44	S23081428.D
1,3-Dichlorobenzene	20,407	1.00	0.750 g	U	U	S23081428.D
1,4-Dichlorobenzene	20,407	1.00	0.750 g	U	U	S23081428.D
1,2-Dichlorobenzene	20,407	1.00	0.750 g	U	U	S23081428.D
1,2,4-Trichlorobenzene	20,407	1.00	0.390 g	U	U	S23081428.D
Naphthalene	20,407	1.00	0.800 g	28.74	1.76	S23081428.D
1,2,3-Trichlorobenzene	20,407	1.00	0.390 g	U	U	S23081428.D
2-Methylnaphthalene	20,407	1.00	0.760 g	46.25	2.98	S23081428.D
TPH C4-C9	20,407	1.00	0.590 g	10522.31	874	S23081428.D
TPH C10-C15	20,407	1.00	0.690 g	37677.56	2,680	S23081428.D

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Forest Hill, MD 21050 USA
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-25 **Sample Name:** PSG-22						
Vinyl Chloride	20,177	1.00	0.810	36.87	2.26	S23081429.D
1,1-Dichloroethene	20,177	1.00	0.330	2919.45	438	S23081429.D
Methylene Chloride	20,177	1.00	0.350 g	U	U	S23081429.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,177	1.00	0.890 g	U	U	S23081429.D
trans-1,2-Dichloroethene	20,177	1.00	0.440	U	U	S23081429.D
Methyl-t-butyl ether	20,177	1.00	0.500 g	U	U	S23081429.D
1,1-Dichloroethane	20,177	19.18	0.850	300.15	336	S23081447.D
cis-1,2-Dichloroethene	20,177	1.00	0.530	11.28	1.05	S23081429.D
Chloroform	20,177	1.00	0.350 g	U	U	S23081429.D
1,2-Dichloroethane	20,177	1.00	0.560	U	U	S23081429.D
1,1,1-Trichloroethane	20,177	19.18	1.050	121.22	110	S23081447.D
Carbon Tetrachloride	20,177	1.00	0.430 g	U	U	S23081429.D
Benzene	20,177	1.00	0.530	124.84	11.7	S23081429.D
Trichloroethene	20,177	1.00	0.330	U	U	S23081429.D
1,4-Dioxane	20,177	1.00	0.410 g	641.19	77.5	S23081429.D
1,1,2-Trichloroethane	20,177	1.00	0.330 g	U	U	S23081429.D
Toluene	20,177	1.00	0.400	81.24	10.1	S23081429.D
1,2-Dibromoethane (EDB)	20,177	1.00	0.390 g	U	U	S23081429.D
Tetrachloroethene	20,177	1.00	0.410	U	U	S23081429.D
1,1,1,2-Tetrachloroethane	20,177	1.00	0.410 g	U	U	S23081429.D
Chlorobenzene	20,177	1.00	0.850 g	U	U	S23081429.D
Ethylbenzene	20,177	1.00	0.850	32.51	1.90	S23081429.D
p & m-Xylene	20,177	1.00	0.880	45.87	2.58	S23081429.D
o-Xylene	20,177	1.00	0.880	25.86	1.46	S23081429.D
1,2,3-Trichloropropane	20,177	1.00	0.750 g	U	U	S23081429.D
Isopropylbenzene	20,177	1.00	0.830 g	U	U	S23081429.D
1,3,5-Trimethylbenzene	20,177	1.00	0.830 g	U	U	S23081429.D
1,2,4-Trimethylbenzene	20,177	1.00	0.830 g	U	U	S23081429.D
1,3-Dichlorobenzene	20,177	1.00	0.750 g	U	U	S23081429.D
1,4-Dichlorobenzene	20,177	1.00	0.750 g	U	U	S23081429.D
1,2-Dichlorobenzene	20,177	1.00	0.750 g	U	U	S23081429.D
1,2,4-Trichlorobenzene	20,177	1.00	0.390 g	U	U	S23081429.D
Naphthalene	20,177	1.00	0.800 g	U	U	S23081429.D
1,2,3-Trichlorobenzene	20,177	1.00	0.390 g	U	U	S23081429.D
2-Methylnaphthalene	20,177	1.00	0.760 g	U	U	S23081429.D
TPH C4-C9	20,177	1.00	0.590 g	242640.50	20,400	S23081429.D
TPH C10-C15	20,177	1.00	0.690 g	39674.43	2,850	S23081429.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-26 **Sample Name:** PSG-23						
Vinyl Chloride	20,177	1.00	0.810	U	U	S23081430.D
1,1-Dichloroethene	20,177	1.00	0.330	14.27	2.14	S23081430.D
Methylene Chloride	20,177	1.00	0.350 g	U	U	S23081430.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,177	1.00	0.890 g	U	U	S23081430.D
trans-1,2-Dichloroethene	20,177	1.00	0.440	U	U	S23081430.D
Methyl-t-butyl ether	20,177	1.00	0.500 g	U	U	S23081430.D
1,1-Dichloroethane	20,177	1.00	0.850	14.04	0.82	S23081430.D
cis-1,2-Dichloroethene	20,177	1.00	0.530	U	U	S23081430.D
Chloroform	20,177	1.00	0.350 g	U	U	S23081430.D
1,2-Dichloroethane	20,177	1.00	0.560	U	U	S23081430.D
1,1,1-Trichloroethane	20,177	1.00	1.050	15.53	0.73	S23081430.D
Carbon Tetrachloride	20,177	1.00	0.430 g	U	U	S23081430.D
Benzene	20,177	1.00	0.530	33.57	3.14	S23081430.D
Trichloroethene	20,177	1.00	0.330	U	U	S23081430.D
1,4-Dioxane	20,177	1.00	0.410 g	U	U	S23081430.D
1,1,2-Trichloroethane	20,177	1.00	0.330 g	U	U	S23081430.D
Toluene	20,177	1.00	0.400	U	U	S23081430.D
1,2-Dibromoethane (EDB)	20,177	1.00	0.390 g	U	U	S23081430.D
Tetrachloroethene	20,177	1.00	0.410	U	U	S23081430.D
1,1,1,2-Tetrachloroethane	20,177	1.00	0.410 g	U	U	S23081430.D
Chlorobenzene	20,177	1.00	0.850 g	U	U	S23081430.D
Ethylbenzene	20,177	1.00	0.850	U	U	S23081430.D
p & m-Xylene	20,177	1.00	0.880	61.11	3.44	S23081430.D
o-Xylene	20,177	1.00	0.880	U	U	S23081430.D
1,2,3-Trichloropropane	20,177	1.00	0.750 g	U	U	S23081430.D
Isopropylbenzene	20,177	1.00	0.830 g	U	U	S23081430.D
1,3,5-Trimethylbenzene	20,177	1.00	0.830 g	U	U	S23081430.D
1,2,4-Trimethylbenzene	20,177	1.00	0.830 g	U	U	S23081430.D
1,3-Dichlorobenzene	20,177	1.00	0.750 g	U	U	S23081430.D
1,4-Dichlorobenzene	20,177	1.00	0.750 g	U	U	S23081430.D
1,2-Dichlorobenzene	20,177	1.00	0.750 g	U	U	S23081430.D
1,2,4-Trichlorobenzene	20,177	1.00	0.390 g	U	U	S23081430.D
Naphthalene	20,177	1.00	0.800 g	U	U	S23081430.D
1,2,3-Trichlorobenzene	20,177	1.00	0.390 g	U	U	S23081430.D
2-Methylnaphthalene	20,177	1.00	0.760 g	U	U	S23081430.D
TPH C4-C9	20,177	1.00	0.590 g	U	U	S23081430.D
TPH C10-C15	20,177	1.00	0.690 g	U	U	S23081430.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-27 **Sample Name:** PSG-24						
Vinyl Chloride	20,173	1.00	0.810	U	U	S23081431.D
1,1-Dichloroethene	20,173	1.00	0.330	12.70	1.91	S23081431.D
Methylene Chloride	20,173	1.00	0.350 g	U	U	S23081431.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,173	1.00	0.890 g	U	U	S23081431.D
trans-1,2-Dichloroethene	20,173	1.00	0.440	U	U	S23081431.D
Methyl-t-butyl ether	20,173	1.00	0.500 g	U	U	S23081431.D
1,1-Dichloroethane	20,173	1.00	0.850	U	U	S23081431.D
cis-1,2-Dichloroethene	20,173	1.00	0.530	U	U	S23081431.D
Chloroform	20,173	1.00	0.350 g	U	U	S23081431.D
1,2-Dichloroethane	20,173	1.00	0.560	U	U	S23081431.D
1,1,1-Trichloroethane	20,173	1.00	1.050	54.14	2.56	S23081431.D
Carbon Tetrachloride	20,173	1.00	0.430 g	U	U	S23081431.D
Benzene	20,173	1.00	0.530	39.74	3.72	S23081431.D
Trichloroethene	20,173	1.00	0.330	U	U	S23081431.D
1,4-Dioxane	20,173	1.00	0.410 g	12.90	1.56	S23081431.D
1,1,2-Trichloroethane	20,173	1.00	0.330 g	U	U	S23081431.D
Toluene	20,173	1.00	0.400	U	U	S23081431.D
1,2-Dibromoethane (EDB)	20,173	1.00	0.390 g	U	U	S23081431.D
Tetrachloroethene	20,173	1.00	0.410	91.13	11.0	S23081431.D
1,1,1,2-Tetrachloroethane	20,173	1.00	0.410 g	U	U	S23081431.D
Chlorobenzene	20,173	1.00	0.850 g	U	U	S23081431.D
Ethylbenzene	20,173	1.00	0.850	U	U	S23081431.D
p & m-Xylene	20,173	1.00	0.880	44.36	2.50	S23081431.D
o-Xylene	20,173	1.00	0.880	U	U	S23081431.D
1,2,3-Trichloropropane	20,173	1.00	0.750 g	U	U	S23081431.D
Isopropylbenzene	20,173	1.00	0.830 g	U	U	S23081431.D
1,3,5-Trimethylbenzene	20,173	1.00	0.830 g	U	U	S23081431.D
1,2,4-Trimethylbenzene	20,173	1.00	0.830 g	U	U	S23081431.D
1,3-Dichlorobenzene	20,173	1.00	0.750 g	U	U	S23081431.D
1,4-Dichlorobenzene	20,173	1.00	0.750 g	U	U	S23081431.D
1,2-Dichlorobenzene	20,173	1.00	0.750 g	U	U	S23081431.D
1,2,4-Trichlorobenzene	20,173	1.00	0.390 g	U	U	S23081431.D
Naphthalene	20,173	1.00	0.800 g	U	U	S23081431.D
1,2,3-Trichlorobenzene	20,173	1.00	0.390 g	U	U	S23081431.D
2-Methylnaphthalene	20,173	1.00	0.760 g	U	U	S23081431.D
TPH C4-C9	20,173	1.00	0.590 g	U	U	S23081431.D
TPH C10-C15	20,173	1.00	0.690 g	7429.19	534	S23081431.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-28 **Sample Name:** PSG-25						
Vinyl Chloride	20,283	1.00	0.810	U	U	S23081432.D
1,1-Dichloroethene	20,283	1.00	0.330	28.82	4.31	S23081432.D
Methylene Chloride	20,283	1.00	0.350 g	U	U	S23081432.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,283	1.00	0.890 g	U	U	S23081432.D
trans-1,2-Dichloroethene	20,283	1.00	0.440	31.36	3.51	S23081432.D
Methyl-t-butyl ether	20,283	1.00	0.500 g	U	U	S23081432.D
1,1-Dichloroethane	20,283	1.00	0.850	U	U	S23081432.D
cis-1,2-Dichloroethene	20,283	1.00	0.530	150.61	14.0	S23081432.D
Chloroform	20,283	1.00	0.350 g	U	U	S23081432.D
1,2-Dichloroethane	20,283	1.00	0.560	U	U	S23081432.D
1,1,1-Trichloroethane	20,283	1.00	1.050	U	U	S23081432.D
Carbon Tetrachloride	20,283	1.00	0.430 g	U	U	S23081432.D
Benzene	20,283	1.00	0.530	849.72	79.0	S23081432.D
Trichloroethene	20,283	1.00	0.330	4611.54	689	S23081432.D
1,4-Dioxane	20,283	1.00	0.410 g	U	U	S23081432.D
1,1,2-Trichloroethane	20,283	1.00	0.330 g	U	U	S23081432.D
Toluene	20,283	1.00	0.400	342.27	42.2	S23081432.D
1,2-Dibromoethane (EDB)	20,283	1.00	0.390 g	U	U	S23081432.D
Tetrachloroethene	20,283	1.00	0.410	9716.73	1,170	S23081432.D
1,1,1,2-Tetrachloroethane	20,283	1.00	0.410 g	U	U	S23081432.D
Chlorobenzene	20,283	1.00	0.850 g	U	U	S23081432.D
Ethylbenzene	20,283	1.00	0.850	161.70	9.38	S23081432.D
p & m-Xylene	20,283	1.00	0.880	242.36	13.6	S23081432.D
o-Xylene	20,283	1.00	0.880	138.11	7.74	S23081432.D
1,2,3-Trichloropropane	20,283	1.00	0.750 g	U	U	S23081432.D
Isopropylbenzene	20,283	1.00	0.830 g	49.50	2.94	S23081432.D
1,3,5-Trimethylbenzene	20,283	1.00	0.830 g	34.06	2.02	S23081432.D
1,2,4-Trimethylbenzene	20,283	1.00	0.830 g	62.10	3.69	S23081432.D
1,3-Dichlorobenzene	20,283	1.00	0.750 g	U	U	S23081432.D
1,4-Dichlorobenzene	20,283	1.00	0.750 g	U	U	S23081432.D
1,2-Dichlorobenzene	20,283	1.00	0.750 g	U	U	S23081432.D
1,2,4-Trichlorobenzene	20,283	1.00	0.390 g	U	U	S23081432.D
Naphthalene	20,283	1.00	0.800 g	U	U	S23081432.D
1,2,3-Trichlorobenzene	20,283	1.00	0.390 g	U	U	S23081432.D
2-Methylnaphthalene	20,283	1.00	0.760 g	U	U	S23081432.D
TPH C4-C9	20,283	1.00	0.590 g	83525.78	6,980	S23081432.D
TPH C10-C15	20,283	1.00	0.690 g	33022.83	2,360	S23081432.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Lab ID: 0007137-29 **Sample Name:** PSG-25-Dup

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Vinyl Chloride	20,283	1.00	0.810	U	U	S23081433.D
1,1-Dichloroethene	20,283	1.00	0.330	18.95	2.83	S23081433.D
Methylene Chloride	20,283	1.00	0.350 g	U	U	S23081433.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,283	1.00	0.890 g	U	U	S23081433.D
trans-1,2-Dichloroethene	20,283	1.00	0.440	17.47	1.96	S23081433.D
Methyl-t-butyl ether	20,283	1.00	0.500 g	U	U	S23081433.D
1,1-Dichloroethane	20,283	1.00	0.850	U	U	S23081433.D
cis-1,2-Dichloroethene	20,283	1.00	0.530	96.03	8.93	S23081433.D
Chloroform	20,283	1.00	0.350 g	U	U	S23081433.D
1,2-Dichloroethane	20,283	1.00	0.560	U	U	S23081433.D
1,1,1-Trichloroethane	20,283	1.00	1.050	U	U	S23081433.D
Carbon Tetrachloride	20,283	1.00	0.430 g	U	U	S23081433.D
Benzene	20,283	1.00	0.530	1347.01	125	S23081433.D
Trichloroethene	20,283	1.00	0.330	3911.73	584	S23081433.D
1,4-Dioxane	20,283	1.00	0.410 g	U	U	S23081433.D
1,1,2-Trichloroethane	20,283	1.00	0.330 g	U	U	S23081433.D
Toluene	20,283	1.00	0.400	425.29	52.4	S23081433.D
1,2-Dibromoethane (EDB)	20,283	1.00	0.390 g	U	U	S23081433.D
Tetrachloroethene	20,283	1.00	0.410	9254.43	1,110	S23081433.D
1,1,1,2-Tetrachloroethane	20,283	1.00	0.410 g	U	U	S23081433.D
Chlorobenzene	20,283	1.00	0.850 g	U	U	S23081433.D
Ethylbenzene	20,283	1.00	0.850	139.99	8.12	S23081433.D
p & m-Xylene	20,283	1.00	0.880	179.19	10.0	S23081433.D
o-Xylene	20,283	1.00	0.880	87.64	4.91	S23081433.D
1,2,3-Trichloropropane	20,283	1.00	0.750 g	U	U	S23081433.D
Isopropylbenzene	20,283	1.00	0.830 g	39.22	2.33	S23081433.D
1,3,5-Trimethylbenzene	20,283	1.00	0.830 g	29.26	1.74	S23081433.D
1,2,4-Trimethylbenzene	20,283	1.00	0.830 g	49.79	2.96	S23081433.D
1,3-Dichlorobenzene	20,283	1.00	0.750 g	U	U	S23081433.D
1,4-Dichlorobenzene	20,283	1.00	0.750 g	U	U	S23081433.D
1,2-Dichlorobenzene	20,283	1.00	0.750 g	U	U	S23081433.D
1,2,4-Trichlorobenzene	20,283	1.00	0.390 g	U	U	S23081433.D
Naphthalene	20,283	1.00	0.800 g	U	U	S23081433.D
1,2,3-Trichlorobenzene	20,283	1.00	0.390 g	U	U	S23081433.D
2-Methylnaphthalene	20,283	1.00	0.760 g	U	U	S23081433.D
TPH C4-C9	20,283	1.00	0.590 g	151512.30	12,700	S23081433.D
TPH C10-C15	20,283	1.00	0.690 g	38381.72	2,740	S23081433.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-30 **Sample Name:** PSG-26						
Vinyl Chloride	20,281	1.00	0.810	U	U	S23081434.D
1,1-Dichloroethene	20,281	1.00	0.330	U	U	S23081434.D
Methylene Chloride	20,281	1.00	0.350 g	U	U	S23081434.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,281	1.00	0.890 g	U	U	S23081434.D
trans-1,2-Dichloroethene	20,281	1.00	0.440	U	U	S23081434.D
Methyl-t-butyl ether	20,281	1.00	0.500 g	U	U	S23081434.D
1,1-Dichloroethane	20,281	1.00	0.850	U	U	S23081434.D
cis-1,2-Dichloroethene	20,281	1.00	0.530	U	U	S23081434.D
Chloroform	20,281	1.00	0.350 g	U	U	S23081434.D
1,2-Dichloroethane	20,281	1.00	0.560	U	U	S23081434.D
1,1,1-Trichloroethane	20,281	1.00	1.050	U	U	S23081434.D
Carbon Tetrachloride	20,281	1.00	0.430 g	U	U	S23081434.D
Benzene	20,281	1.00	0.530	88.34	8.22	S23081434.D
Trichloroethene	20,281	1.00	0.330	U	U	S23081434.D
1,4-Dioxane	20,281	1.00	0.410 g	U	U	S23081434.D
1,1,2-Trichloroethane	20,281	1.00	0.330 g	U	U	S23081434.D
Toluene	20,281	1.00	0.400	28.24	3.48	S23081434.D
1,2-Dibromoethane (EDB)	20,281	1.00	0.390 g	U	U	S23081434.D
Tetrachloroethene	20,281	1.00	0.410	42.88	5.16	S23081434.D
1,1,1,2-Tetrachloroethane	20,281	1.00	0.410 g	U	U	S23081434.D
Chlorobenzene	20,281	1.00	0.850 g	U	U	S23081434.D
Ethylbenzene	20,281	1.00	0.850	69.41	4.03	S23081434.D
p & m-Xylene	20,281	1.00	0.880	180.55	10.1	S23081434.D
o-Xylene	20,281	1.00	0.880	115.98	6.50	S23081434.D
1,2,3-Trichloropropane	20,281	1.00	0.750 g	U	U	S23081434.D
Isopropylbenzene	20,281	1.00	0.830 g	U	U	S23081434.D
1,3,5-Trimethylbenzene	20,281	1.00	0.830 g	40.25	2.39	S23081434.D
1,2,4-Trimethylbenzene	20,281	1.00	0.830 g	63.87	3.79	S23081434.D
1,3-Dichlorobenzene	20,281	1.00	0.750 g	U	U	S23081434.D
1,4-Dichlorobenzene	20,281	1.00	0.750 g	U	U	S23081434.D
1,2-Dichlorobenzene	20,281	1.00	0.750 g	U	U	S23081434.D
1,2,4-Trichlorobenzene	20,281	1.00	0.390 g	U	U	S23081434.D
Naphthalene	20,281	1.00	0.800 g	U	U	S23081434.D
1,2,3-Trichlorobenzene	20,281	1.00	0.390 g	U	U	S23081434.D
2-Methylnaphthalene	20,281	1.00	0.760 g	25.09	1.63	S23081434.D
TPH C4-C9	20,281	1.00	0.590 g	47166.56	3,940	S23081434.D
TPH C10-C15	20,281	1.00	0.690 g	16909.51	1,210	S23081434.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-31 **Sample Name:** PSG-27						
Vinyl Chloride	21,556	1.00	0.810	U	U	S23081435.D
1,1-Dichloroethene	21,556	1.00	0.330	U	U	S23081435.D
Methylene Chloride	21,556	1.00	0.350 g	U	U	S23081435.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,556	1.00	0.890 g	U	U	S23081435.D
trans-1,2-Dichloroethene	21,556	1.00	0.440	U	U	S23081435.D
Methyl-t-butyl ether	21,556	1.00	0.500 g	U	U	S23081435.D
1,1-Dichloroethane	21,556	1.00	0.850	U	U	S23081435.D
cis-1,2-Dichloroethene	21,556	1.00	0.530	U	U	S23081435.D
Chloroform	21,556	1.00	0.350 g	U	U	S23081435.D
1,2-Dichloroethane	21,556	1.00	0.560	U	U	S23081435.D
1,1,1-Trichloroethane	21,556	1.00	1.050	U	U	S23081435.D
Carbon Tetrachloride	21,556	1.00	0.430 g	U	U	S23081435.D
Benzene	21,556	1.00	0.530	U	U	S23081435.D
Trichloroethene	21,556	1.00	0.330	U	U	S23081435.D
1,4-Dioxane	21,556	1.00	0.410 g	U	U	S23081435.D
1,1,2-Trichloroethane	21,556	1.00	0.330 g	U	U	S23081435.D
Toluene	21,556	1.00	0.400	25.70	2.98	S23081435.D
1,2-Dibromoethane (EDB)	21,556	1.00	0.390 g	U	U	S23081435.D
Tetrachloroethene	21,556	1.00	0.410	10.04	1.14	S23081435.D
1,1,1,2-Tetrachloroethane	21,556	1.00	0.410 g	U	U	S23081435.D
Chlorobenzene	21,556	1.00	0.850 g	U	U	S23081435.D
Ethylbenzene	21,556	1.00	0.850	U	U	S23081435.D
p & m-Xylene	21,556	1.00	0.880	72.73	3.83	S23081435.D
o-Xylene	21,556	1.00	0.880	36.19	1.91	S23081435.D
1,2,3-Trichloropropane	21,556	1.00	0.750 g	U	U	S23081435.D
Isopropylbenzene	21,556	1.00	0.830 g	U	U	S23081435.D
1,3,5-Trimethylbenzene	21,556	1.00	0.830 g	47.62	2.66	S23081435.D
1,2,4-Trimethylbenzene	21,556	1.00	0.830 g	143.79	8.04	S23081435.D
1,3-Dichlorobenzene	21,556	1.00	0.750 g	U	U	S23081435.D
1,4-Dichlorobenzene	21,556	1.00	0.750 g	U	U	S23081435.D
1,2-Dichlorobenzene	21,556	1.00	0.750 g	U	U	S23081435.D
1,2,4-Trichlorobenzene	21,556	1.00	0.390 g	U	U	S23081435.D
Naphthalene	21,556	1.00	0.800 g	U	U	S23081435.D
1,2,3-Trichlorobenzene	21,556	1.00	0.390 g	U	U	S23081435.D
2-Methylnaphthalene	21,556	1.00	0.760 g	U	U	S23081435.D
TPH C4-C9	21,556	1.00	0.590 g	U	U	S23081435.D
TPH C10-C15	21,556	1.00	0.690 g	5000.08	336	S23081435.D

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-32 **Sample Name:** PSG-28						
Vinyl Chloride	20,323	1.00	0.810	U	U	S23081436.D
1,1-Dichloroethene	20,323	1.00	0.330	U	U	S23081436.D
Methylene Chloride	20,323	1.00	0.350 g	U	U	S23081436.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,323	1.00	0.890 g	U	U	S23081436.D
trans-1,2-Dichloroethene	20,323	1.00	0.440	U	U	S23081436.D
Methyl-t-butyl ether	20,323	1.00	0.500 g	U	U	S23081436.D
1,1-Dichloroethane	20,323	1.00	0.850	U	U	S23081436.D
cis-1,2-Dichloroethene	20,323	1.00	0.530	U	U	S23081436.D
Chloroform	20,323	1.00	0.350 g	U	U	S23081436.D
1,2-Dichloroethane	20,323	1.00	0.560	U	U	S23081436.D
1,1,1-Trichloroethane	20,323	1.00	1.050	U	U	S23081436.D
Carbon Tetrachloride	20,323	1.00	0.430 g	U	U	S23081436.D
Benzene	20,323	1.00	0.530	29.34	2.72	S23081436.D
Trichloroethene	20,323	1.00	0.330	U	U	S23081436.D
1,4-Dioxane	20,323	1.00	0.410 g	U	U	S23081436.D
1,1,2-Trichloroethane	20,323	1.00	0.330 g	U	U	S23081436.D
Toluene	20,323	1.00	0.400	U	U	S23081436.D
1,2-Dibromoethane (EDB)	20,323	1.00	0.390 g	U	U	S23081436.D
Tetrachloroethene	20,323	1.00	0.410	83.64	10.0	S23081436.D
1,1,1,2-Tetrachloroethane	20,323	1.00	0.410 g	U	U	S23081436.D
Chlorobenzene	20,323	1.00	0.850 g	U	U	S23081436.D
Ethylbenzene	20,323	1.00	0.850	U	U	S23081436.D
p & m-Xylene	20,323	1.00	0.880	U	U	S23081436.D
o-Xylene	20,323	1.00	0.880	U	U	S23081436.D
1,2,3-Trichloropropane	20,323	1.00	0.750 g	U	U	S23081436.D
Isopropylbenzene	20,323	1.00	0.830 g	25.62	1.52	S23081436.D
1,3,5-Trimethylbenzene	20,323	1.00	0.830 g	37.58	2.23	S23081436.D
1,2,4-Trimethylbenzene	20,323	1.00	0.830 g	91.22	5.41	S23081436.D
1,3-Dichlorobenzene	20,323	1.00	0.750 g	U	U	S23081436.D
1,4-Dichlorobenzene	20,323	1.00	0.750 g	U	U	S23081436.D
1,2-Dichlorobenzene	20,323	1.00	0.750 g	U	U	S23081436.D
1,2,4-Trichlorobenzene	20,323	1.00	0.390 g	U	U	S23081436.D
Naphthalene	20,323	1.00	0.800 g	U	U	S23081436.D
1,2,3-Trichlorobenzene	20,323	1.00	0.390 g	U	U	S23081436.D
2-Methylnaphthalene	20,323	1.00	0.760 g	U	U	S23081436.D
TPH C4-C9	20,323	1.00	0.590 g	U	U	S23081436.D
TPH C10-C15	20,323	1.00	0.690 g	5901.90	421	S23081436.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-33 **Sample Name:** PSG-29						
Vinyl Chloride	20,312	1.00	0.810	U	U	S23081445.D
1,1-Dichloroethene	20,312	1.00	0.330	U	U	S23081445.D
Methylene Chloride	20,312	1.00	0.350 g	U	U	S23081445.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,312	1.00	0.890 g	U	U	S23081445.D
trans-1,2-Dichloroethene	20,312	1.00	0.440	U	U	S23081445.D
Methyl-t-butyl ether	20,312	1.00	0.500 g	U	U	S23081445.D
1,1-Dichloroethane	20,312	1.00	0.850	U	U	S23081445.D
cis-1,2-Dichloroethene	20,312	1.00	0.530	U	U	S23081445.D
Chloroform	20,312	1.00	0.350 g	U	U	S23081445.D
1,2-Dichloroethane	20,312	1.00	0.560	U	U	S23081445.D
1,1,1-Trichloroethane	20,312	1.00	1.050	U	U	S23081445.D
Carbon Tetrachloride	20,312	1.00	0.430 g	U	U	S23081445.D
Benzene	20,312	1.00	0.530	U	U	S23081445.D
Trichloroethene	20,312	1.00	0.330	U	U	S23081445.D
1,4-Dioxane	20,312	1.00	0.410 g	U	U	S23081445.D
1,1,2-Trichloroethane	20,312	1.00	0.330 g	U	U	S23081445.D
Toluene	20,312	1.00	0.400	52.08	6.41	S23081445.D
1,2-Dibromoethane (EDB)	20,312	1.00	0.390 g	U	U	S23081445.D
Tetrachloroethene	20,312	1.00	0.410	U	U	S23081445.D
1,1,1,2-Tetrachloroethane	20,312	1.00	0.410 g	U	U	S23081445.D
Chlorobenzene	20,312	1.00	0.850 g	U	U	S23081445.D
Ethylbenzene	20,312	1.00	0.850	U	U	S23081445.D
p & m-Xylene	20,312	1.00	0.880	183.44	10.3	S23081445.D
o-Xylene	20,312	1.00	0.880	92.76	5.19	S23081445.D
1,2,3-Trichloropropane	20,312	1.00	0.750 g	U	U	S23081445.D
Isopropylbenzene	20,312	1.00	0.830 g	591.04	35.1	S23081445.D
1,3,5-Trimethylbenzene	20,312	1.00	0.830 g	748.84	44.4	S23081445.D
1,2,4-Trimethylbenzene	20,312	19.18	0.830 g	62.89	71.5	S23081448.D
1,3-Dichlorobenzene	20,312	1.00	0.750 g	U	U	S23081445.D
1,4-Dichlorobenzene	20,312	1.00	0.750 g	U	U	S23081445.D
1,2-Dichlorobenzene	20,312	1.00	0.750 g	U	U	S23081445.D
1,2,4-Trichlorobenzene	20,312	1.00	0.390 g	U	U	S23081445.D
Naphthalene	20,312	1.00	0.800 g	64.57	3.97	S23081445.D
1,2,3-Trichlorobenzene	20,312	1.00	0.390 g	U	U	S23081445.D
2-Methylnaphthalene	20,312	1.00	0.760 g	U	U	S23081445.D
TPH C4-C9	20,312	1.00	0.590 g	32005.69	2,670	S23081445.D
TPH C10-C15	20,312	1.00	0.690 g	25999.99	1,860	S23081445.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-34 **Sample Name:** PSG-30						
Vinyl Chloride	21,881	1.00	0.810	U	U	S23081438.D
1,1-Dichloroethene	21,881	1.00	0.330	U	U	S23081438.D
Methylene Chloride	21,881	1.00	0.350 g	U	U	S23081438.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,881	1.00	0.890 g	U	U	S23081438.D
trans-1,2-Dichloroethene	21,881	1.00	0.440	U	U	S23081438.D
Methyl-t-butyl ether	21,881	1.00	0.500 g	U	U	S23081438.D
1,1-Dichloroethane	21,881	1.00	0.850	U	U	S23081438.D
cis-1,2-Dichloroethene	21,881	1.00	0.530	U	U	S23081438.D
Chloroform	21,881	1.00	0.350 g	U	U	S23081438.D
1,2-Dichloroethane	21,881	1.00	0.560	U	U	S23081438.D
1,1,1-Trichloroethane	21,881	1.00	1.050	U	U	S23081438.D
Carbon Tetrachloride	21,881	1.00	0.430 g	U	U	S23081438.D
Benzene	21,881	1.00	0.530	80.78	6.97	S23081438.D
Trichloroethene	21,881	1.00	0.330	U	U	S23081438.D
1,4-Dioxane	21,881	1.00	0.410 g	U	U	S23081438.D
1,1,2-Trichloroethane	21,881	1.00	0.330 g	U	U	S23081438.D
Toluene	21,881	1.00	0.400	32.99	3.77	S23081438.D
1,2-Dibromoethane (EDB)	21,881	1.00	0.390 g	U	U	S23081438.D
Tetrachloroethene	21,881	1.00	0.410	U	U	S23081438.D
1,1,1,2-Tetrachloroethane	21,881	1.00	0.410 g	U	U	S23081438.D
Chlorobenzene	21,881	1.00	0.850 g	U	U	S23081438.D
Ethylbenzene	21,881	1.00	0.850	U	U	S23081438.D
p & m-Xylene	21,881	1.00	0.880	U	U	S23081438.D
o-Xylene	21,881	1.00	0.880	U	U	S23081438.D
1,2,3-Trichloropropane	21,881	1.00	0.750 g	U	U	S23081438.D
Isopropylbenzene	21,881	1.00	0.830 g	U	U	S23081438.D
1,3,5-Trimethylbenzene	21,881	1.00	0.830 g	U	U	S23081438.D
1,2,4-Trimethylbenzene	21,881	1.00	0.830 g	56.65	3.12	S23081438.D
1,3-Dichlorobenzene	21,881	1.00	0.750 g	U	U	S23081438.D
1,4-Dichlorobenzene	21,881	1.00	0.750 g	U	U	S23081438.D
1,2-Dichlorobenzene	21,881	1.00	0.750 g	U	U	S23081438.D
1,2,4-Trichlorobenzene	21,881	1.00	0.390 g	260.85	30.6	S23081438.D
Naphthalene	21,881	1.00	0.800 g	30.59	1.75	S23081438.D
1,2,3-Trichlorobenzene	21,881	1.00	0.390 g	104.48	12.2	S23081438.D
2-Methylnaphthalene	21,881	1.00	0.760 g	33.01	1.99	S23081438.D
TPH C4-C9	21,881	1.00	0.590 g	U	U	S23081438.D
TPH C10-C15	21,881	1.00	0.690 g	64813.98	4,290	S23081438.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-35 **Sample Name:** PSG-31						
Vinyl Chloride	20,380	1.00	0.810	14.93	0.90	S23081439.D
1,1-Dichloroethene	20,380	1.00	0.330	45.12	6.71	S23081439.D
Methylene Chloride	20,380	1.00	0.350 g	U	U	S23081439.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,380	1.00	0.890 g	U	U	S23081439.D
trans-1,2-Dichloroethene	20,380	1.00	0.440	U	U	S23081439.D
Methyl-t-butyl ether	20,380	1.00	0.500 g	48.26	4.74	S23081439.D
1,1-Dichloroethane	20,380	1.00	0.850	161.77	9.34	S23081439.D
cis-1,2-Dichloroethene	20,380	1.00	0.530	U	U	S23081439.D
Chloroform	20,380	1.00	0.350 g	U	U	S23081439.D
1,2-Dichloroethane	20,380	1.00	0.560	U	U	S23081439.D
1,1,1-Trichloroethane	20,380	1.00	1.050	U	U	S23081439.D
Carbon Tetrachloride	20,380	1.00	0.430 g	U	U	S23081439.D
Benzene	20,380	1.00	0.530	258.24	23.9	S23081439.D
Trichloroethene	20,380	1.00	0.330	U	U	S23081439.D
1,4-Dioxane	20,380	1.00	0.410 g	U	U	S23081439.D
1,1,2-Trichloroethane	20,380	1.00	0.330 g	U	U	S23081439.D
Toluene	20,380	1.00	0.400	153.02	18.8	S23081439.D
1,2-Dibromoethane (EDB)	20,380	1.00	0.390 g	U	U	S23081439.D
Tetrachloroethene	20,380	1.00	0.410	U	U	S23081439.D
1,1,1,2-Tetrachloroethane	20,380	1.00	0.410 g	U	U	S23081439.D
Chlorobenzene	20,380	1.00	0.850 g	U	U	S23081439.D
Ethylbenzene	20,380	1.00	0.850	37.27	2.15	S23081439.D
p & m-Xylene	20,380	1.00	0.880	63.26	3.53	S23081439.D
o-Xylene	20,380	1.00	0.880	60.99	3.40	S23081439.D
1,2,3-Trichloropropane	20,380	1.00	0.750 g	U	U	S23081439.D
Isopropylbenzene	20,380	1.00	0.830 g	U	U	S23081439.D
1,3,5-Trimethylbenzene	20,380	1.00	0.830 g	U	U	S23081439.D
1,2,4-Trimethylbenzene	20,380	1.00	0.830 g	U	U	S23081439.D
1,3-Dichlorobenzene	20,380	1.00	0.750 g	U	U	S23081439.D
1,4-Dichlorobenzene	20,380	1.00	0.750 g	U	U	S23081439.D
1,2-Dichlorobenzene	20,380	1.00	0.750 g	U	U	S23081439.D
1,2,4-Trichlorobenzene	20,380	1.00	0.390 g	U	U	S23081439.D
Naphthalene	20,380	1.00	0.800 g	513.21	31.5	S23081439.D
1,2,3-Trichlorobenzene	20,380	1.00	0.390 g	U	U	S23081439.D
2-Methylnaphthalene	20,380	1.00	0.760 g	811.53	52.4	S23081439.D
TPH C4-C9	20,380	1.00	0.590 g	57674.93	4,800	S23081439.D
TPH C10-C15	20,380	1.00	0.690 g	426721.30	30,300	S23081439.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-36 **Sample Name:** PSG-32						
Vinyl Chloride	20,395	1.00	0.810	12.06	0.73	S23081440.D
1,1-Dichloroethene	20,395	1.00	0.330	28.45	4.23	S23081440.D
Methylene Chloride	20,395	1.00	0.350 g	U	U	S23081440.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,395	1.00	0.890 g	U	U	S23081440.D
trans-1,2-Dichloroethene	20,395	1.00	0.440	69.64	7.76	S23081440.D
Methyl-t-butyl ether	20,395	1.00	0.500 g	27.69	2.72	S23081440.D
1,1-Dichloroethane	20,395	1.00	0.850	40.95	2.36	S23081440.D
cis-1,2-Dichloroethene	20,395	1.00	0.530	273.94	25.3	S23081440.D
Chloroform	20,395	1.00	0.350 g	U	U	S23081440.D
1,2-Dichloroethane	20,395	1.00	0.560	U	U	S23081440.D
1,1,1-Trichloroethane	20,395	1.00	1.050	U	U	S23081440.D
Carbon Tetrachloride	20,395	1.00	0.430 g	U	U	S23081440.D
Benzene	20,395	1.00	0.530	313.24	29.0	S23081440.D
Trichloroethene	20,395	1.00	0.330	23.89	3.55	S23081440.D
1,4-Dioxane	20,395	1.00	0.410 g	U	U	S23081440.D
1,1,2-Trichloroethane	20,395	1.00	0.330 g	U	U	S23081440.D
Toluene	20,395	1.00	0.400	61.69	7.56	S23081440.D
1,2-Dibromoethane (EDB)	20,395	1.00	0.390 g	U	U	S23081440.D
Tetrachloroethene	20,395	1.00	0.410	U	U	S23081440.D
1,1,1,2-Tetrachloroethane	20,395	1.00	0.410 g	U	U	S23081440.D
Chlorobenzene	20,395	1.00	0.850 g	U	U	S23081440.D
Ethylbenzene	20,395	1.00	0.850	U	U	S23081440.D
p & m-Xylene	20,395	1.00	0.880	58.89	3.28	S23081440.D
o-Xylene	20,395	1.00	0.880	34.02	1.90	S23081440.D
1,2,3-Trichloropropane	20,395	1.00	0.750 g	U	U	S23081440.D
Isopropylbenzene	20,395	1.00	0.830 g	130.29	7.70	S23081440.D
1,3,5-Trimethylbenzene	20,395	1.00	0.830 g	U	U	S23081440.D
1,2,4-Trimethylbenzene	20,395	1.00	0.830 g	29.41	1.74	S23081440.D
1,3-Dichlorobenzene	20,395	1.00	0.750 g	U	U	S23081440.D
1,4-Dichlorobenzene	20,395	1.00	0.750 g	U	U	S23081440.D
1,2-Dichlorobenzene	20,395	1.00	0.750 g	U	U	S23081440.D
1,2,4-Trichlorobenzene	20,395	1.00	0.390 g	U	U	S23081440.D
Naphthalene	20,395	1.00	0.800 g	64.77	3.97	S23081440.D
1,2,3-Trichlorobenzene	20,395	1.00	0.390 g	U	U	S23081440.D
2-Methylnaphthalene	20,395	1.00	0.760 g	32.33	2.09	S23081440.D
TPH C4-C9	20,395	1.00	0.590 g	25184.22	2,090	S23081440.D
TPH C10-C15	20,395	1.00	0.690 g	80186.42	5,700	S23081440.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-37 **Sample Name:** PSG-33						
Vinyl Chloride	20,387	1.00	0.810	U	U	S23081441.D
1,1-Dichloroethene	20,387	1.00	0.330	U	U	S23081441.D
Methylene Chloride	20,387	1.00	0.350 g	U	U	S23081441.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,387	1.00	0.890 g	U	U	S23081441.D
trans-1,2-Dichloroethene	20,387	1.00	0.440	U	U	S23081441.D
Methyl-t-butyl ether	20,387	1.00	0.500 g	37.04	3.63	S23081441.D
1,1-Dichloroethane	20,387	1.00	0.850	37.32	2.15	S23081441.D
cis-1,2-Dichloroethene	20,387	1.00	0.530	U	U	S23081441.D
Chloroform	20,387	1.00	0.350 g	U	U	S23081441.D
1,2-Dichloroethane	20,387	1.00	0.560	U	U	S23081441.D
1,1,1-Trichloroethane	20,387	1.00	1.050	U	U	S23081441.D
Carbon Tetrachloride	20,387	1.00	0.430 g	U	U	S23081441.D
Benzene	20,387	1.00	0.530	89.16	8.25	S23081441.D
Trichloroethene	20,387	1.00	0.330	11.39	1.69	S23081441.D
1,4-Dioxane	20,387	1.00	0.410 g	U	U	S23081441.D
1,1,2-Trichloroethane	20,387	1.00	0.330 g	U	U	S23081441.D
Toluene	20,387	1.00	0.400	37.69	4.62	S23081441.D
1,2-Dibromoethane (EDB)	20,387	1.00	0.390 g	U	U	S23081441.D
Tetrachloroethene	20,387	1.00	0.410	63.14	7.55	S23081441.D
1,1,1,2-Tetrachloroethane	20,387	1.00	0.410 g	U	U	S23081441.D
Chlorobenzene	20,387	1.00	0.850 g	U	U	S23081441.D
Ethylbenzene	20,387	1.00	0.850	U	U	S23081441.D
p & m-Xylene	20,387	1.00	0.880	33.65	1.88	S23081441.D
o-Xylene	20,387	1.00	0.880	U	U	S23081441.D
1,2,3-Trichloropropane	20,387	1.00	0.750 g	U	U	S23081441.D
Isopropylbenzene	20,387	1.00	0.830 g	U	U	S23081441.D
1,3,5-Trimethylbenzene	20,387	1.00	0.830 g	29.87	1.77	S23081441.D
1,2,4-Trimethylbenzene	20,387	1.00	0.830 g	43.30	2.56	S23081441.D
1,3-Dichlorobenzene	20,387	1.00	0.750 g	U	U	S23081441.D
1,4-Dichlorobenzene	20,387	1.00	0.750 g	U	U	S23081441.D
1,2-Dichlorobenzene	20,387	1.00	0.750 g	U	U	S23081441.D
1,2,4-Trichlorobenzene	20,387	1.00	0.390 g	U	U	S23081441.D
Naphthalene	20,387	1.00	0.800 g	U	U	S23081441.D
1,2,3-Trichlorobenzene	20,387	1.00	0.390 g	U	U	S23081441.D
2-Methylnaphthalene	20,387	1.00	0.760 g	U	U	S23081441.D
TPH C4-C9	20,387	1.00	0.590 g	5786.11	481	S23081441.D
TPH C10-C15	20,387	1.00	0.690 g	12346.55	878	S23081441.D

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-38 **Sample Name:** PSG-34						
Vinyl Chloride	20,187	1.00	0.810	17.52	1.07	S23081442.D
1,1-Dichloroethene	20,187	1.00	0.330	96.88	14.5	S23081442.D
Methylene Chloride	20,187	1.00	0.350 g	U	U	S23081442.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,187	1.00	0.890 g	U	U	S23081442.D
trans-1,2-Dichloroethene	20,187	1.00	0.440	U	U	S23081442.D
Methyl-t-butyl ether	20,187	1.00	0.500 g	U	U	S23081442.D
1,1-Dichloroethane	20,187	1.00	0.850	72.58	4.23	S23081442.D
cis-1,2-Dichloroethene	20,187	1.00	0.530	U	U	S23081442.D
Chloroform	20,187	1.00	0.350 g	U	U	S23081442.D
1,2-Dichloroethane	20,187	1.00	0.560	U	U	S23081442.D
1,1,1-Trichloroethane	20,187	1.00	1.050	158.55	7.48	S23081442.D
Carbon Tetrachloride	20,187	1.00	0.430 g	U	U	S23081442.D
Benzene	20,187	1.00	0.530	U	U	S23081442.D
Trichloroethene	20,187	1.00	0.330	U	U	S23081442.D
1,4-Dioxane	20,187	1.00	0.410 g	U	U	S23081442.D
1,1,2-Trichloroethane	20,187	1.00	0.330 g	U	U	S23081442.D
Toluene	20,187	1.00	0.400	U	U	S23081442.D
1,2-Dibromoethane (EDB)	20,187	1.00	0.390 g	U	U	S23081442.D
Tetrachloroethene	20,187	1.00	0.410	U	U	S23081442.D
1,1,1,2-Tetrachloroethane	20,187	1.00	0.410 g	U	U	S23081442.D
Chlorobenzene	20,187	1.00	0.850 g	U	U	S23081442.D
Ethylbenzene	20,187	1.00	0.850	49.83	2.90	S23081442.D
p & m-Xylene	20,187	1.00	0.880	281.11	15.8	S23081442.D
o-Xylene	20,187	1.00	0.880	108.65	6.12	S23081442.D
1,2,3-Trichloropropane	20,187	1.00	0.750 g	U	U	S23081442.D
Isopropylbenzene	20,187	1.00	0.830 g	U	U	S23081442.D
1,3,5-Trimethylbenzene	20,187	1.00	0.830 g	U	U	S23081442.D
1,2,4-Trimethylbenzene	20,187	1.00	0.830 g	U	U	S23081442.D
1,3-Dichlorobenzene	20,187	1.00	0.750 g	U	U	S23081442.D
1,4-Dichlorobenzene	20,187	1.00	0.750 g	U	U	S23081442.D
1,2-Dichlorobenzene	20,187	1.00	0.750 g	U	U	S23081442.D
1,2,4-Trichlorobenzene	20,187	1.00	0.390 g	U	U	S23081442.D
Naphthalene	20,187	1.00	0.800 g	37.63	2.33	S23081442.D
1,2,3-Trichlorobenzene	20,187	1.00	0.390 g	U	U	S23081442.D
2-Methylnaphthalene	20,187	1.00	0.760 g	U	U	S23081442.D
TPH C4-C9	20,187	1.00	0.590 g	U	U	S23081442.D
TPH C10-C15	20,187	1.00	0.690 g	U	U	S23081442.D

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-39 **Sample Name:** PSG-35						
Vinyl Chloride	20,192	1.00	0.810	U	U	S23081443.D
1,1-Dichloroethene	20,192	1.00	0.330	U	U	S23081443.D
Methylene Chloride	20,192	1.00	0.350 g	U	U	S23081443.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,192	1.00	0.890 g	U	U	S23081443.D
trans-1,2-Dichloroethene	20,192	1.00	0.440	U	U	S23081443.D
Methyl-t-butyl ether	20,192	1.00	0.500 g	U	U	S23081443.D
1,1-Dichloroethane	20,192	1.00	0.850	U	U	S23081443.D
cis-1,2-Dichloroethene	20,192	1.00	0.530	U	U	S23081443.D
Chloroform	20,192	1.00	0.350 g	U	U	S23081443.D
1,2-Dichloroethane	20,192	1.00	0.560	U	U	S23081443.D
1,1,1-Trichloroethane	20,192	1.00	1.050	295.58	13.9	S23081443.D
Carbon Tetrachloride	20,192	1.00	0.430 g	U	U	S23081443.D
Benzene	20,192	1.00	0.530	178.85	16.7	S23081443.D
Trichloroethene	20,192	1.00	0.330	20.75	3.11	S23081443.D
1,4-Dioxane	20,192	1.00	0.410 g	U	U	S23081443.D
1,1,2-Trichloroethane	20,192	1.00	0.330 g	U	U	S23081443.D
Toluene	20,192	1.00	0.400	164.52	20.4	S23081443.D
1,2-Dibromoethane (EDB)	20,192	1.00	0.390 g	U	U	S23081443.D
Tetrachloroethene	20,192	1.00	0.410	121.68	14.7	S23081443.D
1,1,1,2-Tetrachloroethane	20,192	1.00	0.410 g	U	U	S23081443.D
Chlorobenzene	20,192	1.00	0.850 g	U	U	S23081443.D
Ethylbenzene	20,192	1.00	0.850	46.57	2.71	S23081443.D
p & m-Xylene	20,192	1.00	0.880	122.86	6.91	S23081443.D
o-Xylene	20,192	1.00	0.880	74.63	4.20	S23081443.D
1,2,3-Trichloropropane	20,192	1.00	0.750 g	U	U	S23081443.D
Isopropylbenzene	20,192	1.00	0.830 g	U	U	S23081443.D
1,3,5-Trimethylbenzene	20,192	1.00	0.830 g	29.97	1.79	S23081443.D
1,2,4-Trimethylbenzene	20,192	1.00	0.830 g	66.93	3.99	S23081443.D
1,3-Dichlorobenzene	20,192	1.00	0.750 g	U	U	S23081443.D
1,4-Dichlorobenzene	20,192	1.00	0.750 g	U	U	S23081443.D
1,2-Dichlorobenzene	20,192	1.00	0.750 g	U	U	S23081443.D
1,2,4-Trichlorobenzene	20,192	1.00	0.390 g	U	U	S23081443.D
Naphthalene	20,192	1.00	0.800 g	45.05	2.79	S23081443.D
1,2,3-Trichlorobenzene	20,192	1.00	0.390 g	U	U	S23081443.D
2-Methylnaphthalene	20,192	1.00	0.760 g	38.60	2.52	S23081443.D
TPH C4-C9	20,192	1.00	0.590 g	71181.41	5,970	S23081443.D
TPH C10-C15	20,192	1.00	0.690 g	55055.54	3,950	S23081443.D

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-40 **Sample Name:** PSG-35-Dup						
Vinyl Chloride	20,192	1.00	0.810	U	U	S23081444.D
1,1-Dichloroethene	20,192	1.00	0.330	15.17	2.28	S23081444.D
Methylene Chloride	20,192	1.00	0.350 g	U	U	S23081444.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,192	1.00	0.890 g	U	U	S23081444.D
trans-1,2-Dichloroethene	20,192	1.00	0.440	U	U	S23081444.D
Methyl-t-butyl ether	20,192	1.00	0.500 g	U	U	S23081444.D
1,1-Dichloroethane	20,192	1.00	0.850	U	U	S23081444.D
cis-1,2-Dichloroethene	20,192	1.00	0.530	U	U	S23081444.D
Chloroform	20,192	1.00	0.350 g	U	U	S23081444.D
1,2-Dichloroethane	20,192	1.00	0.560	U	U	S23081444.D
1,1,1-Trichloroethane	20,192	1.00	1.050	198.72	9.37	S23081444.D
Carbon Tetrachloride	20,192	1.00	0.430 g	U	U	S23081444.D
Benzene	20,192	1.00	0.530	159.47	14.9	S23081444.D
Trichloroethene	20,192	1.00	0.330	22.77	3.42	S23081444.D
1,4-Dioxane	20,192	1.00	0.410 g	U	U	S23081444.D
1,1,2-Trichloroethane	20,192	1.00	0.330 g	U	U	S23081444.D
Toluene	20,192	1.00	0.400	148.63	18.4	S23081444.D
1,2-Dibromoethane (EDB)	20,192	1.00	0.390 g	U	U	S23081444.D
Tetrachloroethene	20,192	1.00	0.410	63.59	7.68	S23081444.D
1,1,1,2-Tetrachloroethane	20,192	1.00	0.410 g	U	U	S23081444.D
Chlorobenzene	20,192	1.00	0.850 g	U	U	S23081444.D
Ethylbenzene	20,192	1.00	0.850	35.94	2.09	S23081444.D
p & m-Xylene	20,192	1.00	0.880	105.41	5.93	S23081444.D
o-Xylene	20,192	1.00	0.880	65.02	3.66	S23081444.D
1,2,3-Trichloropropane	20,192	1.00	0.750 g	U	U	S23081444.D
Isopropylbenzene	20,192	1.00	0.830 g	U	U	S23081444.D
1,3,5-Trimethylbenzene	20,192	1.00	0.830 g	34.27	2.04	S23081444.D
1,2,4-Trimethylbenzene	20,192	1.00	0.830 g	67.60	4.03	S23081444.D
1,3-Dichlorobenzene	20,192	1.00	0.750 g	U	U	S23081444.D
1,4-Dichlorobenzene	20,192	1.00	0.750 g	U	U	S23081444.D
1,2-Dichlorobenzene	20,192	1.00	0.750 g	U	U	S23081444.D
1,2,4-Trichlorobenzene	20,192	1.00	0.390 g	U	U	S23081444.D
Naphthalene	20,192	1.00	0.800 g	44.35	2.75	S23081444.D
1,2,3-Trichlorobenzene	20,192	1.00	0.390 g	U	U	S23081444.D
2-Methylnaphthalene	20,192	1.00	0.760 g	35.65	2.32	S23081444.D
TPH C4-C9	20,192	1.00	0.590 g	59408.86	4,990	S23081444.D
TPH C10-C15	20,192	1.00	0.690 g	44145.60	3,170	S23081444.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-41 **Sample Name:** PSG-36						
Vinyl Chloride	20,170	1.00	0.810	81.12	4.97	S23081519.D
1,1-Dichloroethene	20,170	1.00	0.330	134.84	20.3	S23081519.D
Methylene Chloride	20,170	1.00	0.350 g	U	U	S23081519.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,170	1.00	0.890 g	U	U	S23081519.D
trans-1,2-Dichloroethene	20,170	1.00	0.440	30.36	3.42	S23081519.D
Methyl-t-butyl ether	20,170	1.00	0.500 g	U	U	S23081519.D
1,1-Dichloroethane	20,170	1.00	0.850	U	U	S23081519.D
cis-1,2-Dichloroethene	20,170	1.00	0.530	288.10	27.0	S23081519.D
Chloroform	20,170	1.00	0.350 g	U	U	S23081519.D
1,2-Dichloroethane	20,170	1.00	0.560	U	U	S23081519.D
1,1,1-Trichloroethane	20,170	1.00	1.050	U	U	S23081519.D
Carbon Tetrachloride	20,170	1.00	0.430 g	U	U	S23081519.D
Benzene	20,170	1.00	0.530	405.98	38.0	S23081519.D
Trichloroethene	20,170	1.00	0.330	242.54	36.4	S23081519.D
1,4-Dioxane	20,170	1.00	0.410 g	U	U	S23081519.D
1,1,2-Trichloroethane	20,170	1.00	0.330 g	U	U	S23081519.D
Toluene	20,170	1.00	0.400	333.64	41.4	S23081519.D
1,2-Dibromoethane (EDB)	20,170	1.00	0.390 g	U	U	S23081519.D
Tetrachloroethene	20,170	1.00	0.410	113.84	13.8	S23081519.D
1,1,1,2-Tetrachloroethane	20,170	1.00	0.410 g	U	U	S23081519.D
Chlorobenzene	20,170	1.00	0.850 g	U	U	S23081519.D
Ethylbenzene	20,170	1.00	0.850	140.81	8.21	S23081519.D
p & m-Xylene	20,170	1.00	0.880	408.85	23.0	S23081519.D
o-Xylene	20,170	1.00	0.880	266.79	15.0	S23081519.D
1,2,3-Trichloropropane	20,170	1.00	0.750 g	U	U	S23081519.D
Isopropylbenzene	20,170	1.00	0.830 g	132.24	7.90	S23081519.D
1,3,5-Trimethylbenzene	20,170	1.00	0.830 g	424.20	25.3	S23081519.D
1,2,4-Trimethylbenzene	20,170	1.00	0.830 g	517.93	30.9	S23081519.D
1,3-Dichlorobenzene	20,170	1.00	0.750 g	U	U	S23081519.D
1,4-Dichlorobenzene	20,170	1.00	0.750 g	U	U	S23081519.D
1,2-Dichlorobenzene	20,170	1.00	0.750 g	23.02	1.52	S23081519.D
1,2,4-Trichlorobenzene	20,170	1.00	0.390 g	U	U	S23081519.D
Naphthalene	20,170	1.00	0.800 g	109.82	6.81	S23081519.D
1,2,3-Trichlorobenzene	20,170	1.00	0.390 g	17.17	2.18	S23081519.D
2-Methylnaphthalene	20,170	1.00	0.760 g	131.57	8.58	S23081519.D
TPH C4-C9	20,170	1.00	0.590 g	155175.70	13,000	S23081519.D
TPH C10-C15	20,170	1.00	0.690 g	64822.54	4,660	S23081519.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Lab ID: 0007137-42 **Sample Name:** PSG-37

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Vinyl Chloride	20,243	1.00	0.810	U	U	S23081520.D
1,1-Dichloroethene	20,243	1.00	0.330	10.52	1.57	S23081520.D
Methylene Chloride	20,243	1.00	0.350 g	U	U	S23081520.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,243	1.00	0.890 g	U	U	S23081520.D
trans-1,2-Dichloroethene	20,243	1.00	0.440	U	U	S23081520.D
Methyl-t-butyl ether	20,243	1.00	0.500 g	U	U	S23081520.D
1,1-Dichloroethane	20,243	1.00	0.850	14.72	0.86	S23081520.D
cis-1,2-Dichloroethene	20,243	1.00	0.530	U	U	S23081520.D
Chloroform	20,243	1.00	0.350 g	U	U	S23081520.D
1,2-Dichloroethane	20,243	1.00	0.560	U	U	S23081520.D
1,1,1-Trichloroethane	20,243	1.00	1.050	20.85	0.98	S23081520.D
Carbon Tetrachloride	20,243	1.00	0.430 g	U	U	S23081520.D
Benzene	20,243	1.00	0.530	69.85	6.51	S23081520.D
Trichloroethene	20,243	1.00	0.330	U	U	S23081520.D
1,4-Dioxane	20,243	1.00	0.410 g	U	U	S23081520.D
1,1,2-Trichloroethane	20,243	1.00	0.330 g	U	U	S23081520.D
Toluene	20,243	1.00	0.400	31.36	3.87	S23081520.D
1,2-Dibromoethane (EDB)	20,243	1.00	0.390 g	U	U	S23081520.D
Tetrachloroethene	20,243	1.00	0.410	U	U	S23081520.D
1,1,1,2-Tetrachloroethane	20,243	1.00	0.410 g	U	U	S23081520.D
Chlorobenzene	20,243	1.00	0.850 g	U	U	S23081520.D
Ethylbenzene	20,243	1.00	0.850	35.48	2.06	S23081520.D
p & m-Xylene	20,243	1.00	0.880	153.11	8.60	S23081520.D
o-Xylene	20,243	1.00	0.880	70.57	3.96	S23081520.D
1,2,3-Trichloropropane	20,243	1.00	0.750 g	U	U	S23081520.D
Isopropylbenzene	20,243	1.00	0.830 g	U	U	S23081520.D
1,3,5-Trimethylbenzene	20,243	1.00	0.830 g	U	U	S23081520.D
1,2,4-Trimethylbenzene	20,243	1.00	0.830 g	U	U	S23081520.D
1,3-Dichlorobenzene	20,243	1.00	0.750 g	U	U	S23081520.D
1,4-Dichlorobenzene	20,243	1.00	0.750 g	U	U	S23081520.D
1,2-Dichlorobenzene	20,243	1.00	0.750 g	U	U	S23081520.D
1,2,4-Trichlorobenzene	20,243	1.00	0.390 g	U	U	S23081520.D
Naphthalene	20,243	1.00	0.800 g	U	U	S23081520.D
1,2,3-Trichlorobenzene	20,243	1.00	0.390 g	U	U	S23081520.D
2-Methylnaphthalene	20,243	1.00	0.760 g	U	U	S23081520.D
TPH C4-C9	20,243	1.00	0.590 g	5094.48	427	S23081520.D
TPH C10-C15	20,243	1.00	0.690 g	8564.67	613	S23081520.D

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-43 **Sample Name:** PSG-38						
Vinyl Chloride	20,323	1.00	0.810	U	U	S23081521.D
1,1-Dichloroethene	20,323	1.00	0.330	U	U	S23081521.D
Methylene Chloride	20,323	1.00	0.350 g	U	U	S23081521.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,323	1.00	0.890 g	U	U	S23081521.D
trans-1,2-Dichloroethene	20,323	1.00	0.440	U	U	S23081521.D
Methyl-t-butyl ether	20,323	1.00	0.500 g	U	U	S23081521.D
1,1-Dichloroethane	20,323	1.00	0.850	U	U	S23081521.D
cis-1,2-Dichloroethene	20,323	1.00	0.530	U	U	S23081521.D
Chloroform	20,323	1.00	0.350 g	U	U	S23081521.D
1,2-Dichloroethane	20,323	1.00	0.560	U	U	S23081521.D
1,1,1-Trichloroethane	20,323	1.00	1.050	17.29	0.81	S23081521.D
Carbon Tetrachloride	20,323	1.00	0.430 g	U	U	S23081521.D
Benzene	20,323	1.00	0.530	113.95	10.6	S23081521.D
Trichloroethene	20,323	1.00	0.330	U	U	S23081521.D
1,4-Dioxane	20,323	1.00	0.410 g	U	U	S23081521.D
1,1,2-Trichloroethane	20,323	1.00	0.330 g	U	U	S23081521.D
Toluene	20,323	1.00	0.400	52.01	6.40	S23081521.D
1,2-Dibromoethane (EDB)	20,323	1.00	0.390 g	U	U	S23081521.D
Tetrachloroethene	20,323	1.00	0.410	U	U	S23081521.D
1,1,1,2-Tetrachloroethane	20,323	1.00	0.410 g	U	U	S23081521.D
Chlorobenzene	20,323	1.00	0.850 g	U	U	S23081521.D
Ethylbenzene	20,323	1.00	0.850	U	U	S23081521.D
p & m-Xylene	20,323	1.00	0.880	83.13	4.65	S23081521.D
o-Xylene	20,323	1.00	0.880	52.23	2.92	S23081521.D
1,2,3-Trichloropropane	20,323	1.00	0.750 g	U	U	S23081521.D
Isopropylbenzene	20,323	1.00	0.830 g	27.69	1.64	S23081521.D
1,3,5-Trimethylbenzene	20,323	1.00	0.830 g	80.93	4.80	S23081521.D
1,2,4-Trimethylbenzene	20,323	1.00	0.830 g	102.69	6.09	S23081521.D
1,3-Dichlorobenzene	20,323	1.00	0.750 g	U	U	S23081521.D
1,4-Dichlorobenzene	20,323	1.00	0.750 g	U	U	S23081521.D
1,2-Dichlorobenzene	20,323	1.00	0.750 g	U	U	S23081521.D
1,2,4-Trichlorobenzene	20,323	1.00	0.390 g	U	U	S23081521.D
Naphthalene	20,323	1.00	0.800 g	33.10	2.04	S23081521.D
1,2,3-Trichlorobenzene	20,323	1.00	0.390 g	U	U	S23081521.D
2-Methylnaphthalene	20,323	1.00	0.760 g	31.54	2.04	S23081521.D
TPH C4-C9	20,323	1.00	0.590 g	22830.21	1,900	S23081521.D
TPH C10-C15	20,323	1.00	0.690 g	49805.77	3,550	S23081521.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Lab ID: 0007137-44 **Sample Name:** PSG-39

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Vinyl Chloride	21,541	1.00	0.810	U	U	S23081522.D
1,1-Dichloroethene	21,541	1.00	0.330	U	U	S23081522.D
Methylene Chloride	21,541	1.00	0.350 g	U	U	S23081522.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,541	1.00	0.890 g	U	U	S23081522.D
trans-1,2-Dichloroethene	21,541	1.00	0.440	U	U	S23081522.D
Methyl-t-butyl ether	21,541	1.00	0.500 g	U	U	S23081522.D
1,1-Dichloroethane	21,541	1.00	0.850	U	U	S23081522.D
cis-1,2-Dichloroethene	21,541	1.00	0.530	U	U	S23081522.D
Chloroform	21,541	1.00	0.350 g	U	U	S23081522.D
1,2-Dichloroethane	21,541	1.00	0.560	U	U	S23081522.D
1,1,1-Trichloroethane	21,541	1.00	1.050	U	U	S23081522.D
Carbon Tetrachloride	21,541	1.00	0.430 g	U	U	S23081522.D
Benzene	21,541	1.00	0.530	89.66	7.85	S23081522.D
Trichloroethene	21,541	1.00	0.330	U	U	S23081522.D
1,4-Dioxane	21,541	1.00	0.410 g	U	U	S23081522.D
1,1,2-Trichloroethane	21,541	1.00	0.330 g	U	U	S23081522.D
Toluene	21,541	1.00	0.400	67.31	7.81	S23081522.D
1,2-Dibromoethane (EDB)	21,541	1.00	0.390 g	U	U	S23081522.D
Tetrachloroethene	21,541	1.00	0.410	U	U	S23081522.D
1,1,1,2-Tetrachloroethane	21,541	1.00	0.410 g	U	U	S23081522.D
Chlorobenzene	21,541	1.00	0.850 g	U	U	S23081522.D
Ethylbenzene	21,541	1.00	0.850	31.70	1.73	S23081522.D
p & m-Xylene	21,541	1.00	0.880	123.96	6.54	S23081522.D
o-Xylene	21,541	1.00	0.880	55.89	2.95	S23081522.D
1,2,3-Trichloropropane	21,541	1.00	0.750 g	U	U	S23081522.D
Isopropylbenzene	21,541	1.00	0.830 g	U	U	S23081522.D
1,3,5-Trimethylbenzene	21,541	1.00	0.830 g	U	U	S23081522.D
1,2,4-Trimethylbenzene	21,541	1.00	0.830 g	32.22	1.80	S23081522.D
1,3-Dichlorobenzene	21,541	1.00	0.750 g	U	U	S23081522.D
1,4-Dichlorobenzene	21,541	1.00	0.750 g	U	U	S23081522.D
1,2-Dichlorobenzene	21,541	1.00	0.750 g	U	U	S23081522.D
1,2,4-Trichlorobenzene	21,541	1.00	0.390 g	U	U	S23081522.D
Naphthalene	21,541	1.00	0.800 g	U	U	S23081522.D
1,2,3-Trichlorobenzene	21,541	1.00	0.390 g	U	U	S23081522.D
2-Methylnaphthalene	21,541	1.00	0.760 g	U	U	S23081522.D
TPH C4-C9	21,541	1.00	0.590 g	U	U	S23081522.D
TPH C10-C15	21,541	1.00	0.690 g	U	U	S23081522.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-45 **Sample Name:** PSG-40						
Vinyl Chloride	20,164	1.00	0.810	U	U	S23081523.D
1,1-Dichloroethene	20,164	1.00	0.330	U	U	S23081523.D
Methylene Chloride	20,164	1.00	0.350 g	U	U	S23081523.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,164	1.00	0.890 g	U	U	S23081523.D
trans-1,2-Dichloroethene	20,164	1.00	0.440	U	U	S23081523.D
Methyl-t-butyl ether	20,164	1.00	0.500 g	U	U	S23081523.D
1,1-Dichloroethane	20,164	1.00	0.850	U	U	S23081523.D
cis-1,2-Dichloroethene	20,164	1.00	0.530	U	U	S23081523.D
Chloroform	20,164	1.00	0.350 g	U	U	S23081523.D
1,2-Dichloroethane	20,164	1.00	0.560	U	U	S23081523.D
1,1,1-Trichloroethane	20,164	1.00	1.050	U	U	S23081523.D
Carbon Tetrachloride	20,164	1.00	0.430 g	U	U	S23081523.D
Benzene	20,164	1.00	0.530	U	U	S23081523.D
Trichloroethene	20,164	1.00	0.330	10.81	1.62	S23081523.D
1,4-Dioxane	20,164	1.00	0.410 g	U	U	S23081523.D
1,1,2-Trichloroethane	20,164	1.00	0.330 g	U	U	S23081523.D
Toluene	20,164	1.00	0.400	U	U	S23081523.D
1,2-Dibromoethane (EDB)	20,164	1.00	0.390 g	U	U	S23081523.D
Tetrachloroethene	20,164	1.00	0.410	U	U	S23081523.D
1,1,1,2-Tetrachloroethane	20,164	1.00	0.410 g	U	U	S23081523.D
Chlorobenzene	20,164	1.00	0.850 g	U	U	S23081523.D
Ethylbenzene	20,164	1.00	0.850	U	U	S23081523.D
p & m-Xylene	20,164	1.00	0.880	55.75	3.14	S23081523.D
o-Xylene	20,164	1.00	0.880	U	U	S23081523.D
1,2,3-Trichloropropane	20,164	1.00	0.750 g	U	U	S23081523.D
Isopropylbenzene	20,164	1.00	0.830 g	U	U	S23081523.D
1,3,5-Trimethylbenzene	20,164	1.00	0.830 g	U	U	S23081523.D
1,2,4-Trimethylbenzene	20,164	1.00	0.830 g	U	U	S23081523.D
1,3-Dichlorobenzene	20,164	1.00	0.750 g	U	U	S23081523.D
1,4-Dichlorobenzene	20,164	1.00	0.750 g	U	U	S23081523.D
1,2-Dichlorobenzene	20,164	1.00	0.750 g	U	U	S23081523.D
1,2,4-Trichlorobenzene	20,164	1.00	0.390 g	U	U	S23081523.D
Naphthalene	20,164	1.00	0.800 g	U	U	S23081523.D
1,2,3-Trichlorobenzene	20,164	1.00	0.390 g	U	U	S23081523.D
2-Methylnaphthalene	20,164	1.00	0.760 g	U	U	S23081523.D
TPH C4-C9	20,164	1.00	0.590 g	U	U	S23081523.D
TPH C10-C15	20,164	1.00	0.690 g	U	U	S23081523.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-46 **Sample Name:** PSG-41						
Vinyl Chloride	20,167	1.00	0.810	U	U	S23081524.D
1,1-Dichloroethene	20,167	1.00	0.330	25.85	3.88	S23081524.D
Methylene Chloride	20,167	1.00	0.350 g	U	U	S23081524.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,167	1.00	0.890 g	U	U	S23081524.D
trans-1,2-Dichloroethene	20,167	1.00	0.440	U	U	S23081524.D
Methyl-t-butyl ether	20,167	1.00	0.500 g	U	U	S23081524.D
1,1-Dichloroethane	20,167	1.00	0.850	U	U	S23081524.D
cis-1,2-Dichloroethene	20,167	1.00	0.530	25.87	2.42	S23081524.D
Chloroform	20,167	1.00	0.350 g	U	U	S23081524.D
1,2-Dichloroethane	20,167	1.00	0.560	U	U	S23081524.D
1,1,1-Trichloroethane	20,167	1.00	1.050	U	U	S23081524.D
Carbon Tetrachloride	20,167	1.00	0.430 g	U	U	S23081524.D
Benzene	20,167	1.00	0.530	U	U	S23081524.D
Trichloroethene	20,167	1.00	0.330	6090.92	915	S23081524.D
1,4-Dioxane	20,167	1.00	0.410 g	U	U	S23081524.D
1,1,2-Trichloroethane	20,167	1.00	0.330 g	U	U	S23081524.D
Toluene	20,167	1.00	0.400	U	U	S23081524.D
1,2-Dibromoethane (EDB)	20,167	1.00	0.390 g	U	U	S23081524.D
Tetrachloroethene	20,167	1.00	0.410	U	U	S23081524.D
1,1,1,2-Tetrachloroethane	20,167	1.00	0.410 g	U	U	S23081524.D
Chlorobenzene	20,167	1.00	0.850 g	U	U	S23081524.D
Ethylbenzene	20,167	1.00	0.850	U	U	S23081524.D
p & m-Xylene	20,167	1.00	0.880	U	U	S23081524.D
o-Xylene	20,167	1.00	0.880	U	U	S23081524.D
1,2,3-Trichloropropane	20,167	1.00	0.750 g	U	U	S23081524.D
Isopropylbenzene	20,167	1.00	0.830 g	U	U	S23081524.D
1,3,5-Trimethylbenzene	20,167	1.00	0.830 g	U	U	S23081524.D
1,2,4-Trimethylbenzene	20,167	1.00	0.830 g	U	U	S23081524.D
1,3-Dichlorobenzene	20,167	1.00	0.750 g	U	U	S23081524.D
1,4-Dichlorobenzene	20,167	1.00	0.750 g	U	U	S23081524.D
1,2-Dichlorobenzene	20,167	1.00	0.750 g	U	U	S23081524.D
1,2,4-Trichlorobenzene	20,167	1.00	0.390 g	U	U	S23081524.D
Naphthalene	20,167	1.00	0.800 g	U	U	S23081524.D
1,2,3-Trichlorobenzene	20,167	1.00	0.390 g	U	U	S23081524.D
2-Methylnaphthalene	20,167	1.00	0.760 g	U	U	S23081524.D
TPH C4-C9	20,167	1.00	0.590 g	U	U	S23081524.D
TPH C10-C15	20,167	1.00	0.690 g	U	U	S23081524.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-47 **Sample Name:** PSG-42						
Vinyl Chloride	20,167	1.00	0.810	U	U	S23081525.D
1,1-Dichloroethene	20,167	1.00	0.330	U	U	S23081525.D
Methylene Chloride	20,167	1.00	0.350 g	U	U	S23081525.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,167	1.00	0.890 g	U	U	S23081525.D
trans-1,2-Dichloroethene	20,167	1.00	0.440	U	U	S23081525.D
Methyl-t-butyl ether	20,167	1.00	0.500 g	U	U	S23081525.D
1,1-Dichloroethane	20,167	1.00	0.850	U	U	S23081525.D
cis-1,2-Dichloroethene	20,167	1.00	0.530	U	U	S23081525.D
Chloroform	20,167	1.00	0.350 g	U	U	S23081525.D
1,2-Dichloroethane	20,167	1.00	0.560	U	U	S23081525.D
1,1,1-Trichloroethane	20,167	1.00	1.050	33.25	1.57	S23081525.D
Carbon Tetrachloride	20,167	1.00	0.430 g	U	U	S23081525.D
Benzene	20,167	1.00	0.530	U	U	S23081525.D
Trichloroethene	20,167	1.00	0.330	97.20	14.6	S23081525.D
1,4-Dioxane	20,167	1.00	0.410 g	U	U	S23081525.D
1,1,2-Trichloroethane	20,167	1.00	0.330 g	U	U	S23081525.D
Toluene	20,167	1.00	0.400	U	U	S23081525.D
1,2-Dibromoethane (EDB)	20,167	1.00	0.390 g	U	U	S23081525.D
Tetrachloroethene	20,167	1.00	0.410	264.49	32.0	S23081525.D
1,1,1,2-Tetrachloroethane	20,167	1.00	0.410 g	U	U	S23081525.D
Chlorobenzene	20,167	1.00	0.850 g	U	U	S23081525.D
Ethylbenzene	20,167	1.00	0.850	56.80	3.31	S23081525.D
p & m-Xylene	20,167	1.00	0.880	245.17	13.8	S23081525.D
o-Xylene	20,167	1.00	0.880	85.23	4.80	S23081525.D
1,2,3-Trichloropropane	20,167	1.00	0.750 g	U	U	S23081525.D
Isopropylbenzene	20,167	1.00	0.830 g	U	U	S23081525.D
1,3,5-Trimethylbenzene	20,167	1.00	0.830 g	U	U	S23081525.D
1,2,4-Trimethylbenzene	20,167	1.00	0.830 g	U	U	S23081525.D
1,3-Dichlorobenzene	20,167	1.00	0.750 g	U	U	S23081525.D
1,4-Dichlorobenzene	20,167	1.00	0.750 g	U	U	S23081525.D
1,2-Dichlorobenzene	20,167	1.00	0.750 g	U	U	S23081525.D
1,2,4-Trichlorobenzene	20,167	1.00	0.390 g	U	U	S23081525.D
Naphthalene	20,167	1.00	0.800 g	U	U	S23081525.D
1,2,3-Trichlorobenzene	20,167	1.00	0.390 g	U	U	S23081525.D
2-Methylnaphthalene	20,167	1.00	0.760 g	U	U	S23081525.D
TPH C4-C9	20,167	1.00	0.590 g	U	U	S23081525.D
TPH C10-C15	20,167	1.00	0.690 g	U	U	S23081525.D

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-48 **Sample Name:** PSG-43						
Vinyl Chloride	20,165	1.00	0.810	U	U	S23081526.D
1,1-Dichloroethene	20,165	1.00	0.330	U	U	S23081526.D
Methylene Chloride	20,165	1.00	0.350 g	U	U	S23081526.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,165	1.00	0.890 g	U	U	S23081526.D
trans-1,2-Dichloroethene	20,165	1.00	0.440	U	U	S23081526.D
Methyl-t-butyl ether	20,165	1.00	0.500 g	U	U	S23081526.D
1,1-Dichloroethane	20,165	1.00	0.850	U	U	S23081526.D
cis-1,2-Dichloroethene	20,165	1.00	0.530	U	U	S23081526.D
Chloroform	20,165	1.00	0.350 g	U	U	S23081526.D
1,2-Dichloroethane	20,165	1.00	0.560	U	U	S23081526.D
1,1,1-Trichloroethane	20,165	1.00	1.050	U	U	S23081526.D
Carbon Tetrachloride	20,165	1.00	0.430 g	U	U	S23081526.D
Benzene	20,165	1.00	0.530	U	U	S23081526.D
Trichloroethene	20,165	1.00	0.330	U	U	S23081526.D
1,4-Dioxane	20,165	1.00	0.410 g	U	U	S23081526.D
1,1,2-Trichloroethane	20,165	1.00	0.330 g	U	U	S23081526.D
Toluene	20,165	1.00	0.400	U	U	S23081526.D
1,2-Dibromoethane (EDB)	20,165	1.00	0.390 g	U	U	S23081526.D
Tetrachloroethene	20,165	1.00	0.410	U	U	S23081526.D
1,1,1,2-Tetrachloroethane	20,165	1.00	0.410 g	U	U	S23081526.D
Chlorobenzene	20,165	1.00	0.850 g	U	U	S23081526.D
Ethylbenzene	20,165	1.00	0.850	U	U	S23081526.D
p & m-Xylene	20,165	1.00	0.880	67.63	3.81	S23081526.D
o-Xylene	20,165	1.00	0.880	47.62	2.68	S23081526.D
1,2,3-Trichloropropane	20,165	1.00	0.750 g	U	U	S23081526.D
Isopropylbenzene	20,165	1.00	0.830 g	U	U	S23081526.D
1,3,5-Trimethylbenzene	20,165	1.00	0.830 g	U	U	S23081526.D
1,2,4-Trimethylbenzene	20,165	1.00	0.830 g	U	U	S23081526.D
1,3-Dichlorobenzene	20,165	1.00	0.750 g	U	U	S23081526.D
1,4-Dichlorobenzene	20,165	1.00	0.750 g	U	U	S23081526.D
1,2-Dichlorobenzene	20,165	1.00	0.750 g	U	U	S23081526.D
1,2,4-Trichlorobenzene	20,165	1.00	0.390 g	U	U	S23081526.D
Naphthalene	20,165	1.00	0.800 g	U	U	S23081526.D
1,2,3-Trichlorobenzene	20,165	1.00	0.390 g	U	U	S23081526.D
2-Methylnaphthalene	20,165	1.00	0.760 g	U	U	S23081526.D
TPH C4-C9	20,165	1.00	0.590 g	U	U	S23081526.D
TPH C10-C15	20,165	1.00	0.690 g	U	U	S23081526.D

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-49 **Sample Name:** PSG-43-Dup						
Vinyl Chloride	20,165	1.00	0.810	U	U	S23081527.D
1,1-Dichloroethene	20,165	1.00	0.330	U	U	S23081527.D
Methylene Chloride	20,165	1.00	0.350 g	U	U	S23081527.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,165	1.00	0.890 g	U	U	S23081527.D
trans-1,2-Dichloroethene	20,165	1.00	0.440	U	U	S23081527.D
Methyl-t-butyl ether	20,165	1.00	0.500 g	U	U	S23081527.D
1,1-Dichloroethane	20,165	1.00	0.850	U	U	S23081527.D
cis-1,2-Dichloroethene	20,165	1.00	0.530	U	U	S23081527.D
Chloroform	20,165	1.00	0.350 g	U	U	S23081527.D
1,2-Dichloroethane	20,165	1.00	0.560	U	U	S23081527.D
1,1,1-Trichloroethane	20,165	1.00	1.050	U	U	S23081527.D
Carbon Tetrachloride	20,165	1.00	0.430 g	U	U	S23081527.D
Benzene	20,165	1.00	0.530	U	U	S23081527.D
Trichloroethene	20,165	1.00	0.330	U	U	S23081527.D
1,4-Dioxane	20,165	1.00	0.410 g	U	U	S23081527.D
1,1,2-Trichloroethane	20,165	1.00	0.330 g	U	U	S23081527.D
Toluene	20,165	1.00	0.400	U	U	S23081527.D
1,2-Dibromoethane (EDB)	20,165	1.00	0.390 g	U	U	S23081527.D
Tetrachloroethene	20,165	1.00	0.410	U	U	S23081527.D
1,1,1,2-Tetrachloroethane	20,165	1.00	0.410 g	U	U	S23081527.D
Chlorobenzene	20,165	1.00	0.850 g	U	U	S23081527.D
Ethylbenzene	20,165	1.00	0.850	U	U	S23081527.D
p & m-Xylene	20,165	1.00	0.880	67.16	3.78	S23081527.D
o-Xylene	20,165	1.00	0.880	46.20	2.60	S23081527.D
1,2,3-Trichloropropane	20,165	1.00	0.750 g	U	U	S23081527.D
Isopropylbenzene	20,165	1.00	0.830 g	U	U	S23081527.D
1,3,5-Trimethylbenzene	20,165	1.00	0.830 g	U	U	S23081527.D
1,2,4-Trimethylbenzene	20,165	1.00	0.830 g	U	U	S23081527.D
1,3-Dichlorobenzene	20,165	1.00	0.750 g	U	U	S23081527.D
1,4-Dichlorobenzene	20,165	1.00	0.750 g	U	U	S23081527.D
1,2-Dichlorobenzene	20,165	1.00	0.750 g	U	U	S23081527.D
1,2,4-Trichlorobenzene	20,165	1.00	0.390 g	U	U	S23081527.D
Naphthalene	20,165	1.00	0.800 g	U	U	S23081527.D
1,2,3-Trichlorobenzene	20,165	1.00	0.390 g	U	U	S23081527.D
2-Methylnaphthalene	20,165	1.00	0.760 g	U	U	S23081527.D
TPH C4-C9	20,165	1.00	0.590 g	U	U	S23081527.D
TPH C10-C15	20,165	1.00	0.690 g	U	U	S23081527.D

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Lab ID: 0007137-50 **Sample Name:** PSG-44

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Vinyl Chloride	20,419	1.00	0.810	U	U	S23081528.D
1,1-Dichloroethene	20,419	1.00	0.330	U	U	S23081528.D
Methylene Chloride	20,419	1.00	0.350 g	U	U	S23081528.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,419	1.00	0.890 g	U	U	S23081528.D
trans-1,2-Dichloroethene	20,419	1.00	0.440	U	U	S23081528.D
Methyl-t-butyl ether	20,419	1.00	0.500 g	U	U	S23081528.D
1,1-Dichloroethane	20,419	1.00	0.850	U	U	S23081528.D
cis-1,2-Dichloroethene	20,419	1.00	0.530	U	U	S23081528.D
Chloroform	20,419	1.00	0.350 g	U	U	S23081528.D
1,2-Dichloroethane	20,419	1.00	0.560	U	U	S23081528.D
1,1,1-Trichloroethane	20,419	1.00	1.050	U	U	S23081528.D
Carbon Tetrachloride	20,419	1.00	0.430 g	U	U	S23081528.D
Benzene	20,419	1.00	0.530	38.62	3.57	S23081528.D
Trichloroethene	20,419	1.00	0.330	U	U	S23081528.D
1,4-Dioxane	20,419	1.00	0.410 g	U	U	S23081528.D
1,1,2-Trichloroethane	20,419	1.00	0.330 g	U	U	S23081528.D
Toluene	20,419	1.00	0.400	U	U	S23081528.D
1,2-Dibromoethane (EDB)	20,419	1.00	0.390 g	U	U	S23081528.D
Tetrachloroethene	20,419	1.00	0.410	U	U	S23081528.D
1,1,1,2-Tetrachloroethane	20,419	1.00	0.410 g	U	U	S23081528.D
Chlorobenzene	20,419	1.00	0.850 g	U	U	S23081528.D
Ethylbenzene	20,419	1.00	0.850	U	U	S23081528.D
p & m-Xylene	20,419	1.00	0.880	U	U	S23081528.D
o-Xylene	20,419	1.00	0.880	U	U	S23081528.D
1,2,3-Trichloropropane	20,419	1.00	0.750 g	U	U	S23081528.D
Isopropylbenzene	20,419	1.00	0.830 g	U	U	S23081528.D
1,3,5-Trimethylbenzene	20,419	1.00	0.830 g	U	U	S23081528.D
1,2,4-Trimethylbenzene	20,419	1.00	0.830 g	U	U	S23081528.D
1,3-Dichlorobenzene	20,419	1.00	0.750 g	U	U	S23081528.D
1,4-Dichlorobenzene	20,419	1.00	0.750 g	U	U	S23081528.D
1,2-Dichlorobenzene	20,419	1.00	0.750 g	U	U	S23081528.D
1,2,4-Trichlorobenzene	20,419	1.00	0.390 g	U	U	S23081528.D
Naphthalene	20,419	1.00	0.800 g	U	U	S23081528.D
1,2,3-Trichlorobenzene	20,419	1.00	0.390 g	U	U	S23081528.D
2-Methylnaphthalene	20,419	1.00	0.760 g	U	U	S23081528.D
TPH C4-C9	20,419	1.00	0.590 g	U	U	S23081528.D
TPH C10-C15	20,419	1.00	0.690 g	12041.49	855	S23081528.D

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Lab ID: 0007137-51 **Sample Name:** PSG-45

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Vinyl Chloride	20,378	1.00	0.810	U	U	S23081529.D
1,1-Dichloroethene	20,378	1.00	0.330	U	U	S23081529.D
Methylene Chloride	20,378	1.00	0.350 g	U	U	S23081529.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,378	1.00	0.890 g	U	U	S23081529.D
trans-1,2-Dichloroethene	20,378	1.00	0.440	U	U	S23081529.D
Methyl-t-butyl ether	20,378	1.00	0.500 g	U	U	S23081529.D
1,1-Dichloroethane	20,378	1.00	0.850	U	U	S23081529.D
cis-1,2-Dichloroethene	20,378	1.00	0.530	U	U	S23081529.D
Chloroform	20,378	1.00	0.350 g	U	U	S23081529.D
1,2-Dichloroethane	20,378	1.00	0.560	U	U	S23081529.D
1,1,1-Trichloroethane	20,378	1.00	1.050	U	U	S23081529.D
Carbon Tetrachloride	20,378	1.00	0.430 g	U	U	S23081529.D
Benzene	20,378	1.00	0.530	451.93	41.8	S23081529.D
Trichloroethene	20,378	1.00	0.330	U	U	S23081529.D
1,4-Dioxane	20,378	1.00	0.410 g	U	U	S23081529.D
1,1,2-Trichloroethane	20,378	1.00	0.330 g	U	U	S23081529.D
Toluene	20,378	1.00	0.400	438.16	53.8	S23081529.D
1,2-Dibromoethane (EDB)	20,378	1.00	0.390 g	U	U	S23081529.D
Tetrachloroethene	20,378	1.00	0.410	U	U	S23081529.D
1,1,1,2-Tetrachloroethane	20,378	1.00	0.410 g	U	U	S23081529.D
Chlorobenzene	20,378	1.00	0.850 g	U	U	S23081529.D
Ethylbenzene	20,378	1.00	0.850	214.17	12.4	S23081529.D
p & m-Xylene	20,378	1.00	0.880	545.21	30.4	S23081529.D
o-Xylene	20,378	1.00	0.880	515.12	28.7	S23081529.D
1,2,3-Trichloropropane	20,378	1.00	0.750 g	U	U	S23081529.D
Isopropylbenzene	20,378	1.00	0.830 g	193.77	11.5	S23081529.D
1,3,5-Trimethylbenzene	20,378	1.00	0.830 g	378.84	22.4	S23081529.D
1,2,4-Trimethylbenzene	20,378	1.00	0.830 g	554.56	32.8	S23081529.D
1,3-Dichlorobenzene	20,378	1.00	0.750 g	U	U	S23081529.D
1,4-Dichlorobenzene	20,378	1.00	0.750 g	U	U	S23081529.D
1,2-Dichlorobenzene	20,378	1.00	0.750 g	U	U	S23081529.D
1,2,4-Trichlorobenzene	20,378	1.00	0.390 g	U	U	S23081529.D
Naphthalene	20,378	1.00	0.800 g	130.26	7.99	S23081529.D
1,2,3-Trichlorobenzene	20,378	1.00	0.390 g	U	U	S23081529.D
2-Methylnaphthalene	20,378	1.00	0.760 g	138.56	8.95	S23081529.D
TPH C4-C9	20,378	1.00	0.590 g	16807.43	1,400	S23081529.D
TPH C10-C15	20,378	1.00	0.690 g	52707.04	3,750	S23081529.D

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-52 **Sample Name:** PSG-46						
Vinyl Chloride	20,370	1.00	0.810	U	U	S23081530.D
1,1-Dichloroethene	20,370	1.00	0.330	U	U	S23081530.D
Methylene Chloride	20,370	1.00	0.350 g	U	U	S23081530.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,370	1.00	0.890 g	U	U	S23081530.D
trans-1,2-Dichloroethene	20,370	1.00	0.440	U	U	S23081530.D
Methyl-t-butyl ether	20,370	1.00	0.500 g	U	U	S23081530.D
1,1-Dichloroethane	20,370	1.00	0.850	U	U	S23081530.D
cis-1,2-Dichloroethene	20,370	1.00	0.530	15.07	1.40	S23081530.D
Chloroform	20,370	1.00	0.350 g	U	U	S23081530.D
1,2-Dichloroethane	20,370	1.00	0.560	U	U	S23081530.D
1,1,1-Trichloroethane	20,370	1.00	1.050	U	U	S23081530.D
Carbon Tetrachloride	20,370	1.00	0.430 g	U	U	S23081530.D
Benzene	20,370	1.00	0.530	456.04	42.2	S23081530.D
Trichloroethene	20,370	1.00	0.330	U	U	S23081530.D
1,4-Dioxane	20,370	1.00	0.410 g	U	U	S23081530.D
1,1,2-Trichloroethane	20,370	1.00	0.330 g	U	U	S23081530.D
Toluene	20,370	1.00	0.400	247.05	30.3	S23081530.D
1,2-Dibromoethane (EDB)	20,370	1.00	0.390 g	U	U	S23081530.D
Tetrachloroethene	20,370	1.00	0.410	U	U	S23081530.D
1,1,1,2-Tetrachloroethane	20,370	1.00	0.410 g	U	U	S23081530.D
Chlorobenzene	20,370	1.00	0.850 g	U	U	S23081530.D
Ethylbenzene	20,370	1.00	0.850	79.96	4.62	S23081530.D
p & m-Xylene	20,370	1.00	0.880	157.96	8.81	S23081530.D
o-Xylene	20,370	1.00	0.880	154.69	8.63	S23081530.D
1,2,3-Trichloropropane	20,370	1.00	0.750 g	U	U	S23081530.D
Isopropylbenzene	20,370	1.00	0.830 g	114.55	6.78	S23081530.D
1,3,5-Trimethylbenzene	20,370	1.00	0.830 g	196.08	11.6	S23081530.D
1,2,4-Trimethylbenzene	20,370	1.00	0.830 g	182.86	10.8	S23081530.D
1,3-Dichlorobenzene	20,370	1.00	0.750 g	U	U	S23081530.D
1,4-Dichlorobenzene	20,370	1.00	0.750 g	U	U	S23081530.D
1,2-Dichlorobenzene	20,370	1.00	0.750 g	U	U	S23081530.D
1,2,4-Trichlorobenzene	20,370	1.00	0.390 g	U	U	S23081530.D
Naphthalene	20,370	1.00	0.800 g	57.56	3.53	S23081530.D
1,2,3-Trichlorobenzene	20,370	1.00	0.390 g	U	U	S23081530.D
2-Methylnaphthalene	20,370	1.00	0.760 g	61.39	3.97	S23081530.D
TPH C4-C9	20,370	1.00	0.590 g	51669.51	4,300	S23081530.D
TPH C10-C15	20,370	1.00	0.690 g	74234.83	5,280	S23081530.D

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Lab ID: 0007137-53 **Sample Name:** PSG-47

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Vinyl Chloride	20,179	1.00	0.810	U	U	S23081531.D
1,1-Dichloroethene	20,179	1.00	0.330	U	U	S23081531.D
Methylene Chloride	20,179	1.00	0.350 g	U	U	S23081531.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,179	1.00	0.890 g	U	U	S23081531.D
trans-1,2-Dichloroethene	20,179	1.00	0.440	U	U	S23081531.D
Methyl-t-butyl ether	20,179	1.00	0.500 g	U	U	S23081531.D
1,1-Dichloroethane	20,179	1.00	0.850	U	U	S23081531.D
cis-1,2-Dichloroethene	20,179	1.00	0.530	U	U	S23081531.D
Chloroform	20,179	1.00	0.350 g	U	U	S23081531.D
1,2-Dichloroethane	20,179	1.00	0.560	U	U	S23081531.D
1,1,1-Trichloroethane	20,179	1.00	1.050	U	U	S23081531.D
Carbon Tetrachloride	20,179	1.00	0.430 g	U	U	S23081531.D
Benzene	20,179	1.00	0.530	43.93	4.11	S23081531.D
Trichloroethene	20,179	1.00	0.330	U	U	S23081531.D
1,4-Dioxane	20,179	1.00	0.410 g	U	U	S23081531.D
1,1,2-Trichloroethane	20,179	1.00	0.330 g	U	U	S23081531.D
Toluene	20,179	1.00	0.400	33.43	4.14	S23081531.D
1,2-Dibromoethane (EDB)	20,179	1.00	0.390 g	U	U	S23081531.D
Tetrachloroethene	20,179	1.00	0.410	15.84	1.91	S23081531.D
1,1,1,2-Tetrachloroethane	20,179	1.00	0.410 g	U	U	S23081531.D
Chlorobenzene	20,179	1.00	0.850 g	U	U	S23081531.D
Ethylbenzene	20,179	1.00	0.850	181.80	10.6	S23081531.D
p & m-Xylene	20,179	1.00	0.880	801.38	45.1	S23081531.D
o-Xylene	20,179	1.00	0.880	286.31	16.1	S23081531.D
1,2,3-Trichloropropane	20,179	1.00	0.750 g	U	U	S23081531.D
Isopropylbenzene	20,179	1.00	0.830 g	U	U	S23081531.D
1,3,5-Trimethylbenzene	20,179	1.00	0.830 g	U	U	S23081531.D
1,2,4-Trimethylbenzene	20,179	1.00	0.830 g	U	U	S23081531.D
1,3-Dichlorobenzene	20,179	1.00	0.750 g	U	U	S23081531.D
1,4-Dichlorobenzene	20,179	1.00	0.750 g	U	U	S23081531.D
1,2-Dichlorobenzene	20,179	1.00	0.750 g	U	U	S23081531.D
1,2,4-Trichlorobenzene	20,179	1.00	0.390 g	U	U	S23081531.D
Naphthalene	20,179	1.00	0.800 g	U	U	S23081531.D
1,2,3-Trichlorobenzene	20,179	1.00	0.390 g	U	U	S23081531.D
2-Methylnaphthalene	20,179	1.00	0.760 g	U	U	S23081531.D
TPH C4-C9	20,179	1.00	0.590 g	15699.52	1,320	S23081531.D
TPH C10-C15	20,179	1.00	0.690 g	24053.87	1,730	S23081531.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Lab ID: 0007137-54 **Sample Name:** PSG-48

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Vinyl Chloride	20,186	1.00	0.810	U	U	S23081532.D
1,1-Dichloroethene	20,186	1.00	0.330	U	U	S23081532.D
Methylene Chloride	20,186	1.00	0.350 g	U	U	S23081532.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,186	1.00	0.890 g	U	U	S23081532.D
trans-1,2-Dichloroethene	20,186	1.00	0.440	U	U	S23081532.D
Methyl-t-butyl ether	20,186	1.00	0.500 g	U	U	S23081532.D
1,1-Dichloroethane	20,186	1.00	0.850	U	U	S23081532.D
cis-1,2-Dichloroethene	20,186	1.00	0.530	U	U	S23081532.D
Chloroform	20,186	1.00	0.350 g	U	U	S23081532.D
1,2-Dichloroethane	20,186	1.00	0.560	U	U	S23081532.D
1,1,1-Trichloroethane	20,186	1.00	1.050	13.24	0.62	S23081532.D
Carbon Tetrachloride	20,186	1.00	0.430 g	U	U	S23081532.D
Benzene	20,186	1.00	0.530	U	U	S23081532.D
Trichloroethene	20,186	1.00	0.330	U	U	S23081532.D
1,4-Dioxane	20,186	1.00	0.410 g	U	U	S23081532.D
1,1,2-Trichloroethane	20,186	1.00	0.330 g	U	U	S23081532.D
Toluene	20,186	1.00	0.400	U	U	S23081532.D
1,2-Dibromoethane (EDB)	20,186	1.00	0.390 g	U	U	S23081532.D
Tetrachloroethene	20,186	1.00	0.410	12.57	1.52	S23081532.D
1,1,1,2-Tetrachloroethane	20,186	1.00	0.410 g	U	U	S23081532.D
Chlorobenzene	20,186	1.00	0.850 g	U	U	S23081532.D
Ethylbenzene	20,186	1.00	0.850	1027.16	59.9	S23081532.D
p & m-Xylene	20,186	1.00	0.880	3989.51	225	S23081532.D
o-Xylene	20,186	1.00	0.880	2177.09	123	S23081532.D
1,2,3-Trichloropropane	20,186	1.00	0.750 g	U	U	S23081532.D
Isopropylbenzene	20,186	1.00	0.830 g	62.74	3.74	S23081532.D
1,3,5-Trimethylbenzene	20,186	1.00	0.830 g	112.39	6.71	S23081532.D
1,2,4-Trimethylbenzene	20,186	1.00	0.830 g	267.61	16.0	S23081532.D
1,3-Dichlorobenzene	20,186	1.00	0.750 g	U	U	S23081532.D
1,4-Dichlorobenzene	20,186	1.00	0.750 g	U	U	S23081532.D
1,2-Dichlorobenzene	20,186	1.00	0.750 g	U	U	S23081532.D
1,2,4-Trichlorobenzene	20,186	1.00	0.390 g	U	U	S23081532.D
Naphthalene	20,186	1.00	0.800 g	U	U	S23081532.D
1,2,3-Trichlorobenzene	20,186	1.00	0.390 g	U	U	S23081532.D
2-Methylnaphthalene	20,186	1.00	0.760 g	U	U	S23081532.D
TPH C4-C9	20,186	1.00	0.590 g	20173.80	1,690	S23081532.D
TPH C10-C15	20,186	1.00	0.690 g	14012.48	1,010	S23081532.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-55 **Sample Name:** PSG-49						
Vinyl Chloride	20,319	1.00	0.810	U	U	S23081533.D
1,1-Dichloroethene	20,319	1.00	0.330	U	U	S23081533.D
Methylene Chloride	20,319	1.00	0.350 g	U	U	S23081533.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,319	1.00	0.890 g	U	U	S23081533.D
trans-1,2-Dichloroethene	20,319	1.00	0.440	U	U	S23081533.D
Methyl-t-butyl ether	20,319	1.00	0.500 g	U	U	S23081533.D
1,1-Dichloroethane	20,319	1.00	0.850	17.00	0.98	S23081533.D
cis-1,2-Dichloroethene	20,319	1.00	0.530	16.74	1.55	S23081533.D
Chloroform	20,319	1.00	0.350 g	U	U	S23081533.D
1,2-Dichloroethane	20,319	1.00	0.560	U	U	S23081533.D
1,1,1-Trichloroethane	20,319	1.00	1.050	U	U	S23081533.D
Carbon Tetrachloride	20,319	1.00	0.430 g	U	U	S23081533.D
Benzene	20,319	1.00	0.530	71.85	6.67	S23081533.D
Trichloroethene	20,319	1.00	0.330	10.01	1.49	S23081533.D
1,4-Dioxane	20,319	1.00	0.410 g	23.04	2.77	S23081533.D
1,1,2-Trichloroethane	20,319	1.00	0.330 g	U	U	S23081533.D
Toluene	20,319	1.00	0.400	39.70	4.88	S23081533.D
1,2-Dibromoethane (EDB)	20,319	1.00	0.390 g	U	U	S23081533.D
Tetrachloroethene	20,319	1.00	0.410	10.84	1.30	S23081533.D
1,1,1,2-Tetrachloroethane	20,319	1.00	0.410 g	U	U	S23081533.D
Chlorobenzene	20,319	1.00	0.850 g	U	U	S23081533.D
Ethylbenzene	20,319	1.00	0.850	U	U	S23081533.D
p & m-Xylene	20,319	1.00	0.880	50.88	2.85	S23081533.D
o-Xylene	20,319	1.00	0.880	U	U	S23081533.D
1,2,3-Trichloropropane	20,319	1.00	0.750 g	U	U	S23081533.D
Isopropylbenzene	20,319	1.00	0.830 g	U	U	S23081533.D
1,3,5-Trimethylbenzene	20,319	1.00	0.830 g	U	U	S23081533.D
1,2,4-Trimethylbenzene	20,319	1.00	0.830 g	U	U	S23081533.D
1,3-Dichlorobenzene	20,319	1.00	0.750 g	U	U	S23081533.D
1,4-Dichlorobenzene	20,319	1.00	0.750 g	U	U	S23081533.D
1,2-Dichlorobenzene	20,319	1.00	0.750 g	U	U	S23081533.D
1,2,4-Trichlorobenzene	20,319	1.00	0.390 g	U	U	S23081533.D
Naphthalene	20,319	1.00	0.800 g	36.37	2.24	S23081533.D
1,2,3-Trichlorobenzene	20,319	1.00	0.390 g	U	U	S23081533.D
2-Methylnaphthalene	20,319	1.00	0.760 g	U	U	S23081533.D
TPH C4-C9	20,319	1.00	0.590 g	82003.77	6,840	S23081533.D
TPH C10-C15	20,319	1.00	0.690 g	284444.70	20,300	S23081533.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-56 **Sample Name:** PSG-50						
Vinyl Chloride	20,164	1.00	0.810	42.20	2.58	S23081534.D
1,1-Dichloroethene	20,164	1.00	0.330	1069.31	161	S23081534.D
Methylene Chloride	20,164	1.00	0.350 g	U	U	S23081534.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,164	1.00	0.890 g	U	U	S23081534.D
trans-1,2-Dichloroethene	20,164	1.00	0.440	U	U	S23081534.D
Methyl-t-butyl ether	20,164	1.00	0.500 g	U	U	S23081534.D
1,1-Dichloroethane	20,164	1.00	0.850	153.39	8.95	S23081534.D
cis-1,2-Dichloroethene	20,164	1.00	0.530	U	U	S23081534.D
Chloroform	20,164	1.00	0.350 g	44.81	6.35	S23081534.D
1,2-Dichloroethane	20,164	1.00	0.560	U	U	S23081534.D
1,1,1-Trichloroethane	20,164	18.99	1.050	142.79	128	C23081605.D
Carbon Tetrachloride	20,164	1.00	0.430 g	U	U	S23081534.D
Benzene	20,164	1.00	0.530	29.72	2.78	S23081534.D
Trichloroethene	20,164	1.00	0.330	U	U	S23081534.D
1,4-Dioxane	20,164	1.00	0.410 g	U	U	S23081534.D
1,1,2-Trichloroethane	20,164	1.00	0.330 g	U	U	S23081534.D
Toluene	20,164	1.00	0.400	U	U	S23081534.D
1,2-Dibromoethane (EDB)	20,164	1.00	0.390 g	U	U	S23081534.D
Tetrachloroethene	20,164	1.00	0.410	U	U	S23081534.D
1,1,1,2-Tetrachloroethane	20,164	1.00	0.410 g	U	U	S23081534.D
Chlorobenzene	20,164	1.00	0.850 g	U	U	S23081534.D
Ethylbenzene	20,164	1.00	0.850	U	U	S23081534.D
p & m-Xylene	20,164	1.00	0.880	35.41	2.00	S23081534.D
o-Xylene	20,164	1.00	0.880	U	U	S23081534.D
1,2,3-Trichloropropane	20,164	1.00	0.750 g	U	U	S23081534.D
Isopropylbenzene	20,164	1.00	0.830 g	U	U	S23081534.D
1,3,5-Trimethylbenzene	20,164	1.00	0.830 g	U	U	S23081534.D
1,2,4-Trimethylbenzene	20,164	1.00	0.830 g	U	U	S23081534.D
1,3-Dichlorobenzene	20,164	1.00	0.750 g	U	U	S23081534.D
1,4-Dichlorobenzene	20,164	1.00	0.750 g	U	U	S23081534.D
1,2-Dichlorobenzene	20,164	1.00	0.750 g	U	U	S23081534.D
1,2,4-Trichlorobenzene	20,164	1.00	0.390 g	U	U	S23081534.D
Naphthalene	20,164	1.00	0.800 g	U	U	S23081534.D
1,2,3-Trichlorobenzene	20,164	1.00	0.390 g	U	U	S23081534.D
2-Methylnaphthalene	20,164	1.00	0.760 g	U	U	S23081534.D
TPH C4-C9	20,164	1.00	0.590 g	U	U	S23081534.D
TPH C10-C15	20,164	1.00	0.690 g	8620.72	620	S23081534.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-57 **Sample Name:** PSG-51						
Vinyl Chloride	20,301	1.00	0.810	20.75	1.26	S23081535.D
1,1-Dichloroethene	20,301	1.00	0.330	1235.98	184	S23081535.D
Methylene Chloride	20,301	1.00	0.350 g	U	U	S23081535.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,301	1.00	0.890 g	U	U	S23081535.D
trans-1,2-Dichloroethene	20,301	1.00	0.440	U	U	S23081535.D
Methyl-t-butyl ether	20,301	1.00	0.500 g	U	U	S23081535.D
1,1-Dichloroethane	20,301	1.00	0.850	22.59	1.31	S23081535.D
cis-1,2-Dichloroethene	20,301	1.00	0.530	U	U	S23081535.D
Chloroform	20,301	1.00	0.350 g	U	U	S23081535.D
1,2-Dichloroethane	20,301	1.00	0.560	U	U	S23081535.D
1,1,1-Trichloroethane	20,301	18.99	1.050	146.95	131	C23081606.D
Carbon Tetrachloride	20,301	1.00	0.430 g	U	U	S23081535.D
Benzene	20,301	1.00	0.530	33.42	3.11	S23081535.D
Trichloroethene	20,301	1.00	0.330	U	U	S23081535.D
1,4-Dioxane	20,301	1.00	0.410 g	U	U	S23081535.D
1,1,2-Trichloroethane	20,301	1.00	0.330 g	U	U	S23081535.D
Toluene	20,301	1.00	0.400	32.36	3.99	S23081535.D
1,2-Dibromoethane (EDB)	20,301	1.00	0.390 g	U	U	S23081535.D
Tetrachloroethene	20,301	1.00	0.410	10.75	1.29	S23081535.D
1,1,1,2-Tetrachloroethane	20,301	1.00	0.410 g	U	U	S23081535.D
Chlorobenzene	20,301	1.00	0.850 g	U	U	S23081535.D
Ethylbenzene	20,301	1.00	0.850	43.54	2.52	S23081535.D
p & m-Xylene	20,301	1.00	0.880	210.63	11.8	S23081535.D
o-Xylene	20,301	1.00	0.880	91.58	5.13	S23081535.D
1,2,3-Trichloropropane	20,301	1.00	0.750 g	U	U	S23081535.D
Isopropylbenzene	20,301	1.00	0.830 g	U	U	S23081535.D
1,3,5-Trimethylbenzene	20,301	1.00	0.830 g	U	U	S23081535.D
1,2,4-Trimethylbenzene	20,301	1.00	0.830 g	40.02	2.38	S23081535.D
1,3-Dichlorobenzene	20,301	1.00	0.750 g	U	U	S23081535.D
1,4-Dichlorobenzene	20,301	1.00	0.750 g	U	U	S23081535.D
1,2-Dichlorobenzene	20,301	1.00	0.750 g	U	U	S23081535.D
1,2,4-Trichlorobenzene	20,301	1.00	0.390 g	U	U	S23081535.D
Naphthalene	20,301	1.00	0.800 g	U	U	S23081535.D
1,2,3-Trichlorobenzene	20,301	1.00	0.390 g	U	U	S23081535.D
2-Methylnaphthalene	20,301	1.00	0.760 g	U	U	S23081535.D
TPH C4-C9	20,301	1.00	0.590 g	U	U	S23081535.D
TPH C10-C15	20,301	1.00	0.690 g	9831.65	702	S23081535.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-58 **Sample Name:** PSG-52						
Vinyl Chloride	20,308	1.00	0.810	32.41	1.97	S23081536.D
1,1-Dichloroethene	20,308	1.00	0.330	26.26	3.92	S23081536.D
Methylene Chloride	20,308	1.00	0.350 g	U	U	S23081536.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,308	1.00	0.890 g	U	U	S23081536.D
trans-1,2-Dichloroethene	20,308	1.00	0.440	U	U	S23081536.D
Methyl-t-butyl ether	20,308	1.00	0.500 g	U	U	S23081536.D
1,1-Dichloroethane	20,308	1.00	0.850	333.09	19.3	S23081536.D
cis-1,2-Dichloroethene	20,308	1.00	0.530	U	U	S23081536.D
Chloroform	20,308	1.00	0.350 g	U	U	S23081536.D
1,2-Dichloroethane	20,308	1.00	0.560	U	U	S23081536.D
1,1,1-Trichloroethane	20,308	1.00	1.050	U	U	S23081536.D
Carbon Tetrachloride	20,308	1.00	0.430 g	U	U	S23081536.D
Benzene	20,308	1.00	0.530	246.44	22.9	S23081536.D
Trichloroethene	20,308	1.00	0.330	10.17	1.52	S23081536.D
1,4-Dioxane	20,308	1.00	0.410 g	U	U	S23081536.D
1,1,2-Trichloroethane	20,308	1.00	0.330 g	U	U	S23081536.D
Toluene	20,308	1.00	0.400	84.46	10.4	S23081536.D
1,2-Dibromoethane (EDB)	20,308	1.00	0.390 g	U	U	S23081536.D
Tetrachloroethene	20,308	1.00	0.410	U	U	S23081536.D
1,1,1,2-Tetrachloroethane	20,308	1.00	0.410 g	U	U	S23081536.D
Chlorobenzene	20,308	1.00	0.850 g	U	U	S23081536.D
Ethylbenzene	20,308	1.00	0.850	57.39	3.32	S23081536.D
p & m-Xylene	20,308	1.00	0.880	262.42	14.7	S23081536.D
o-Xylene	20,308	1.00	0.880	130.18	7.28	S23081536.D
1,2,3-Trichloropropane	20,308	1.00	0.750 g	U	U	S23081536.D
Isopropylbenzene	20,308	1.00	0.830 g	U	U	S23081536.D
1,3,5-Trimethylbenzene	20,308	1.00	0.830 g	41.04	2.43	S23081536.D
1,2,4-Trimethylbenzene	20,308	1.00	0.830 g	80.49	4.78	S23081536.D
1,3-Dichlorobenzene	20,308	1.00	0.750 g	U	U	S23081536.D
1,4-Dichlorobenzene	20,308	1.00	0.750 g	U	U	S23081536.D
1,2-Dichlorobenzene	20,308	1.00	0.750 g	U	U	S23081536.D
1,2,4-Trichlorobenzene	20,308	1.00	0.390 g	U	U	S23081536.D
Naphthalene	20,308	1.00	0.800 g	37.34	2.30	S23081536.D
1,2,3-Trichlorobenzene	20,308	1.00	0.390 g	U	U	S23081536.D
2-Methylnaphthalene	20,308	1.00	0.760 g	49.90	3.23	S23081536.D
TPH C4-C9	20,308	1.00	0.590 g	9313.89	777	S23081536.D
TPH C10-C15	20,308	1.00	0.690 g	15791.93	1,130	S23081536.D

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-59 **Sample Name:** PSG-53						
Vinyl Chloride	21,475	1.00	0.810	U	U	S23081537.D
1,1-Dichloroethene	21,475	1.00	0.330	U	U	S23081537.D
Methylene Chloride	21,475	1.00	0.350 g	U	U	S23081537.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,475	1.00	0.890 g	U	U	S23081537.D
trans-1,2-Dichloroethene	21,475	1.00	0.440	U	U	S23081537.D
Methyl-t-butyl ether	21,475	1.00	0.500 g	U	U	S23081537.D
1,1-Dichloroethane	21,475	1.00	0.850	48.00	2.63	S23081537.D
cis-1,2-Dichloroethene	21,475	1.00	0.530	U	U	S23081537.D
Chloroform	21,475	1.00	0.350 g	U	U	S23081537.D
1,2-Dichloroethane	21,475	1.00	0.560	U	U	S23081537.D
1,1,1-Trichloroethane	21,475	1.00	1.050	38.86	1.72	S23081537.D
Carbon Tetrachloride	21,475	1.00	0.430 g	U	U	S23081537.D
Benzene	21,475	1.00	0.530	296.10	26.0	S23081537.D
Trichloroethene	21,475	1.00	0.330	U	U	S23081537.D
1,4-Dioxane	21,475	1.00	0.410 g	U	U	S23081537.D
1,1,2-Trichloroethane	21,475	1.00	0.330 g	U	U	S23081537.D
Toluene	21,475	1.00	0.400	56.93	6.63	S23081537.D
1,2-Dibromoethane (EDB)	21,475	1.00	0.390 g	U	U	S23081537.D
Tetrachloroethene	21,475	1.00	0.410	U	U	S23081537.D
1,1,1,2-Tetrachloroethane	21,475	1.00	0.410 g	U	U	S23081537.D
Chlorobenzene	21,475	1.00	0.850 g	U	U	S23081537.D
Ethylbenzene	21,475	1.00	0.850	U	U	S23081537.D
p & m-Xylene	21,475	1.00	0.880	31.91	1.69	S23081537.D
o-Xylene	21,475	1.00	0.880	U	U	S23081537.D
1,2,3-Trichloropropane	21,475	1.00	0.750 g	U	U	S23081537.D
Isopropylbenzene	21,475	1.00	0.830 g	U	U	S23081537.D
1,3,5-Trimethylbenzene	21,475	1.00	0.830 g	U	U	S23081537.D
1,2,4-Trimethylbenzene	21,475	1.00	0.830 g	U	U	S23081537.D
1,3-Dichlorobenzene	21,475	1.00	0.750 g	U	U	S23081537.D
1,4-Dichlorobenzene	21,475	1.00	0.750 g	U	U	S23081537.D
1,2-Dichlorobenzene	21,475	1.00	0.750 g	U	U	S23081537.D
1,2,4-Trichlorobenzene	21,475	1.00	0.390 g	U	U	S23081537.D
Naphthalene	21,475	1.00	0.800 g	U	U	S23081537.D
1,2,3-Trichlorobenzene	21,475	1.00	0.390 g	U	U	S23081537.D
2-Methylnaphthalene	21,475	1.00	0.760 g	U	U	S23081537.D
TPH C4-C9	21,475	1.00	0.590 g	U	U	S23081537.D
TPH C10-C15	21,475	1.00	0.690 g	9649.17	651	S23081537.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-60 **Sample Name:** PSG-54						
Vinyl Chloride	21,470	1.00	0.810	55.75	3.21	S23081538.D
1,1-Dichloroethene	21,470	1.00	0.330	158.83	22.4	S23081538.D
Methylene Chloride	21,470	1.00	0.350 g	U	U	S23081538.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,470	1.00	0.890 g	U	U	S23081538.D
trans-1,2-Dichloroethene	21,470	1.00	0.440	U	U	S23081538.D
Methyl-t-butyl ether	21,470	1.00	0.500 g	U	U	S23081538.D
1,1-Dichloroethane	21,470	1.00	0.850	737.22	40.4	S23081538.D
cis-1,2-Dichloroethene	21,470	1.00	0.530	U	U	S23081538.D
Chloroform	21,470	1.00	0.350 g	U	U	S23081538.D
1,2-Dichloroethane	21,470	1.00	0.560	U	U	S23081538.D
1,1,1-Trichloroethane	21,470	1.00	1.050	475.19	21.1	S23081538.D
Carbon Tetrachloride	21,470	1.00	0.430 g	U	U	S23081538.D
Benzene	21,470	1.00	0.530	107.93	9.48	S23081538.D
Trichloroethene	21,470	1.00	0.330	U	U	S23081538.D
1,4-Dioxane	21,470	1.00	0.410 g	36.45	4.14	S23081538.D
1,1,2-Trichloroethane	21,470	1.00	0.330 g	U	U	S23081538.D
Toluene	21,470	1.00	0.400	U	U	S23081538.D
1,2-Dibromoethane (EDB)	21,470	1.00	0.390 g	U	U	S23081538.D
Tetrachloroethene	21,470	1.00	0.410	U	U	S23081538.D
1,1,1,2-Tetrachloroethane	21,470	1.00	0.410 g	U	U	S23081538.D
Chlorobenzene	21,470	1.00	0.850 g	U	U	S23081538.D
Ethylbenzene	21,470	1.00	0.850	U	U	S23081538.D
p & m-Xylene	21,470	1.00	0.880	85.20	4.51	S23081538.D
o-Xylene	21,470	1.00	0.880	44.42	2.35	S23081538.D
1,2,3-Trichloropropane	21,470	1.00	0.750 g	U	U	S23081538.D
Isopropylbenzene	21,470	1.00	0.830 g	U	U	S23081538.D
1,3,5-Trimethylbenzene	21,470	1.00	0.830 g	U	U	S23081538.D
1,2,4-Trimethylbenzene	21,470	1.00	0.830 g	U	U	S23081538.D
1,3-Dichlorobenzene	21,470	1.00	0.750 g	U	U	S23081538.D
1,4-Dichlorobenzene	21,470	1.00	0.750 g	U	U	S23081538.D
1,2-Dichlorobenzene	21,470	1.00	0.750 g	U	U	S23081538.D
1,2,4-Trichlorobenzene	21,470	1.00	0.390 g	U	U	S23081538.D
Naphthalene	21,470	1.00	0.800 g	U	U	S23081538.D
1,2,3-Trichlorobenzene	21,470	1.00	0.390 g	U	U	S23081538.D
2-Methylnaphthalene	21,470	1.00	0.760 g	U	U	S23081538.D
TPH C4-C9	21,470	1.00	0.590 g	U	U	S23081538.D
TPH C10-C15	21,470	1.00	0.690 g	6842.50	462	S23081538.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-61 **Sample Name:** PSG-55						
Vinyl Chloride	21,469	1.00	0.810	62.25	3.58	S23081539.D
1,1-Dichloroethene	21,469	1.00	0.330	11.06	1.56	S23081539.D
Methylene Chloride	21,469	1.00	0.350 g	U	U	S23081539.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,469	1.00	0.890 g	U	U	S23081539.D
trans-1,2-Dichloroethene	21,469	1.00	0.440	56.42	5.97	S23081539.D
Methyl-t-butyl ether	21,469	1.00	0.500 g	U	U	S23081539.D
1,1-Dichloroethane	21,469	1.00	0.850	117.76	6.45	S23081539.D
cis-1,2-Dichloroethene	21,469	1.00	0.530	404.91	35.6	S23081539.D
Chloroform	21,469	1.00	0.350 g	U	U	S23081539.D
1,2-Dichloroethane	21,469	1.00	0.560	U	U	S23081539.D
1,1,1-Trichloroethane	21,469	1.00	1.050	U	U	S23081539.D
Carbon Tetrachloride	21,469	1.00	0.430 g	U	U	S23081539.D
Benzene	21,469	1.00	0.530	73.54	6.46	S23081539.D
Trichloroethene	21,469	1.00	0.330	U	U	S23081539.D
1,4-Dioxane	21,469	1.00	0.410 g	U	U	S23081539.D
1,1,2-Trichloroethane	21,469	1.00	0.330 g	U	U	S23081539.D
Toluene	21,469	1.00	0.400	U	U	S23081539.D
1,2-Dibromoethane (EDB)	21,469	1.00	0.390 g	U	U	S23081539.D
Tetrachloroethene	21,469	1.00	0.410	U	U	S23081539.D
1,1,1,2-Tetrachloroethane	21,469	1.00	0.410 g	U	U	S23081539.D
Chlorobenzene	21,469	1.00	0.850 g	U	U	S23081539.D
Ethylbenzene	21,469	1.00	0.850	U	U	S23081539.D
p & m-Xylene	21,469	1.00	0.880	U	U	S23081539.D
o-Xylene	21,469	1.00	0.880	U	U	S23081539.D
1,2,3-Trichloropropane	21,469	1.00	0.750 g	U	U	S23081539.D
Isopropylbenzene	21,469	1.00	0.830 g	30.22	1.70	S23081539.D
1,3,5-Trimethylbenzene	21,469	1.00	0.830 g	U	U	S23081539.D
1,2,4-Trimethylbenzene	21,469	1.00	0.830 g	U	U	S23081539.D
1,3-Dichlorobenzene	21,469	1.00	0.750 g	U	U	S23081539.D
1,4-Dichlorobenzene	21,469	1.00	0.750 g	U	U	S23081539.D
1,2-Dichlorobenzene	21,469	1.00	0.750 g	U	U	S23081539.D
1,2,4-Trichlorobenzene	21,469	1.00	0.390 g	U	U	S23081539.D
Naphthalene	21,469	1.00	0.800 g	U	U	S23081539.D
1,2,3-Trichlorobenzene	21,469	1.00	0.390 g	U	U	S23081539.D
2-Methylnaphthalene	21,469	1.00	0.760 g	U	U	S23081539.D
TPH C4-C9	21,469	1.00	0.590 g	15982.48	1,260	S23081539.D
TPH C10-C15	21,469	1.00	0.690 g	6377.48	431	S23081539.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-62 **Sample Name:** PSG-56						
Vinyl Chloride	21,469	1.00	0.810	U	U	S23081540.D
1,1-Dichloroethene	21,469	1.00	0.330	U	U	S23081540.D
Methylene Chloride	21,469	1.00	0.350 g	U	U	S23081540.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,469	1.00	0.890 g	U	U	S23081540.D
trans-1,2-Dichloroethene	21,469	1.00	0.440	U	U	S23081540.D
Methyl-t-butyl ether	21,469	1.00	0.500 g	U	U	S23081540.D
1,1-Dichloroethane	21,469	1.00	0.850	U	U	S23081540.D
cis-1,2-Dichloroethene	21,469	1.00	0.530	U	U	S23081540.D
Chloroform	21,469	1.00	0.350 g	U	U	S23081540.D
1,2-Dichloroethane	21,469	1.00	0.560	U	U	S23081540.D
1,1,1-Trichloroethane	21,469	1.00	1.050	U	U	S23081540.D
Carbon Tetrachloride	21,469	1.00	0.430 g	U	U	S23081540.D
Benzene	21,469	1.00	0.530	54.43	4.78	S23081540.D
Trichloroethene	21,469	1.00	0.330	U	U	S23081540.D
1,4-Dioxane	21,469	1.00	0.410 g	U	U	S23081540.D
1,1,2-Trichloroethane	21,469	1.00	0.330 g	U	U	S23081540.D
Toluene	21,469	1.00	0.400	28.49	3.32	S23081540.D
1,2-Dibromoethane (EDB)	21,469	1.00	0.390 g	U	U	S23081540.D
Tetrachloroethene	21,469	1.00	0.410	U	U	S23081540.D
1,1,1,2-Tetrachloroethane	21,469	1.00	0.410 g	U	U	S23081540.D
Chlorobenzene	21,469	1.00	0.850 g	U	U	S23081540.D
Ethylbenzene	21,469	1.00	0.850	U	U	S23081540.D
p & m-Xylene	21,469	1.00	0.880	57.26	3.03	S23081540.D
o-Xylene	21,469	1.00	0.880	27.25	1.44	S23081540.D
1,2,3-Trichloropropane	21,469	1.00	0.750 g	U	U	S23081540.D
Isopropylbenzene	21,469	1.00	0.830 g	U	U	S23081540.D
1,3,5-Trimethylbenzene	21,469	1.00	0.830 g	U	U	S23081540.D
1,2,4-Trimethylbenzene	21,469	1.00	0.830 g	U	U	S23081540.D
1,3-Dichlorobenzene	21,469	1.00	0.750 g	U	U	S23081540.D
1,4-Dichlorobenzene	21,469	1.00	0.750 g	U	U	S23081540.D
1,2-Dichlorobenzene	21,469	1.00	0.750 g	U	U	S23081540.D
1,2,4-Trichlorobenzene	21,469	1.00	0.390 g	U	U	S23081540.D
Naphthalene	21,469	1.00	0.800 g	U	U	S23081540.D
1,2,3-Trichlorobenzene	21,469	1.00	0.390 g	U	U	S23081540.D
2-Methylnaphthalene	21,469	1.00	0.760 g	U	U	S23081540.D
TPH C4-C9	21,469	1.00	0.590 g	U	U	S23081540.D
TPH C10-C15	21,469	1.00	0.690 g	8616.00	582	S23081540.D

BEACON ENVIRONMENTAL

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Forest Hill, MD 21050 USA
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-63 **Sample Name:** PSG-57						
Vinyl Chloride	20,378	1.00	0.810	10.77	0.65	S23081541.D
1,1-Dichloroethene	20,378	1.00	0.330	25.59	3.81	S23081541.D
Methylene Chloride	20,378	1.00	0.350 g	U	U	S23081541.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,378	1.00	0.890 g	U	U	S23081541.D
trans-1,2-Dichloroethene	20,378	1.00	0.440	U	U	S23081541.D
Methyl-t-butyl ether	20,378	1.00	0.500 g	U	U	S23081541.D
1,1-Dichloroethane	20,378	1.00	0.850	298.72	17.2	S23081541.D
cis-1,2-Dichloroethene	20,378	1.00	0.530	U	U	S23081541.D
Chloroform	20,378	1.00	0.350 g	U	U	S23081541.D
1,2-Dichloroethane	20,378	1.00	0.560	U	U	S23081541.D
1,1,1-Trichloroethane	20,378	1.00	1.050	227.77	10.6	S23081541.D
Carbon Tetrachloride	20,378	1.00	0.430 g	U	U	S23081541.D
Benzene	20,378	1.00	0.530	241.74	22.4	S23081541.D
Trichloroethene	20,378	1.00	0.330	U	U	S23081541.D
1,4-Dioxane	20,378	1.00	0.410 g	U	U	S23081541.D
1,1,2-Trichloroethane	20,378	1.00	0.330 g	U	U	S23081541.D
Toluene	20,378	1.00	0.400	110.08	13.5	S23081541.D
1,2-Dibromoethane (EDB)	20,378	1.00	0.390 g	U	U	S23081541.D
Tetrachloroethene	20,378	1.00	0.410	U	U	S23081541.D
1,1,1,2-Tetrachloroethane	20,378	1.00	0.410 g	U	U	S23081541.D
Chlorobenzene	20,378	1.00	0.850 g	U	U	S23081541.D
Ethylbenzene	20,378	1.00	0.850	U	U	S23081541.D
p & m-Xylene	20,378	1.00	0.880	63.86	3.56	S23081541.D
o-Xylene	20,378	1.00	0.880	57.77	3.22	S23081541.D
1,2,3-Trichloropropane	20,378	1.00	0.750 g	U	U	S23081541.D
Isopropylbenzene	20,378	1.00	0.830 g	U	U	S23081541.D
1,3,5-Trimethylbenzene	20,378	1.00	0.830 g	143.01	8.46	S23081541.D
1,2,4-Trimethylbenzene	20,378	1.00	0.830 g	126.72	7.49	S23081541.D
1,3-Dichlorobenzene	20,378	1.00	0.750 g	U	U	S23081541.D
1,4-Dichlorobenzene	20,378	1.00	0.750 g	U	U	S23081541.D
1,2-Dichlorobenzene	20,378	1.00	0.750 g	U	U	S23081541.D
1,2,4-Trichlorobenzene	20,378	1.00	0.390 g	U	U	S23081541.D
Naphthalene	20,378	1.00	0.800 g	U	U	S23081541.D
1,2,3-Trichlorobenzene	20,378	1.00	0.390 g	U	U	S23081541.D
2-Methylnaphthalene	20,378	1.00	0.760 g	U	U	S23081541.D
TPH C4-C9	20,378	1.00	0.590 g	43661.64	3,630	S23081541.D
TPH C10-C15	20,378	1.00	0.690 g	12684.26	902	S23081541.D

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-64 **Sample Name:** PSG-58						
Vinyl Chloride	20,386	1.00	0.810	U	U	S23081542.D
1,1-Dichloroethene	20,386	1.00	0.330	11.88	1.77	S23081542.D
Methylene Chloride	20,386	1.00	0.350 g	U	U	S23081542.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,386	1.00	0.890 g	U	U	S23081542.D
trans-1,2-Dichloroethene	20,386	1.00	0.440	U	U	S23081542.D
Methyl-t-butyl ether	20,386	1.00	0.500 g	U	U	S23081542.D
1,1-Dichloroethane	20,386	1.00	0.850	18.90	1.09	S23081542.D
cis-1,2-Dichloroethene	20,386	1.00	0.530	U	U	S23081542.D
Chloroform	20,386	1.00	0.350 g	U	U	S23081542.D
1,2-Dichloroethane	20,386	1.00	0.560	U	U	S23081542.D
1,1,1-Trichloroethane	20,386	1.00	1.050	73.16	3.42	S23081542.D
Carbon Tetrachloride	20,386	1.00	0.430 g	U	U	S23081542.D
Benzene	20,386	1.00	0.530	187.81	17.4	S23081542.D
Trichloroethene	20,386	1.00	0.330	U	U	S23081542.D
1,4-Dioxane	20,386	1.00	0.410 g	U	U	S23081542.D
1,1,2-Trichloroethane	20,386	1.00	0.330 g	U	U	S23081542.D
Toluene	20,386	1.00	0.400	69.61	8.54	S23081542.D
1,2-Dibromoethane (EDB)	20,386	1.00	0.390 g	U	U	S23081542.D
Tetrachloroethene	20,386	1.00	0.410	U	U	S23081542.D
1,1,1,2-Tetrachloroethane	20,386	1.00	0.410 g	U	U	S23081542.D
Chlorobenzene	20,386	1.00	0.850 g	U	U	S23081542.D
Ethylbenzene	20,386	1.00	0.850	U	U	S23081542.D
p & m-Xylene	20,386	1.00	0.880	63.40	3.53	S23081542.D
o-Xylene	20,386	1.00	0.880	38.95	2.17	S23081542.D
1,2,3-Trichloropropane	20,386	1.00	0.750 g	U	U	S23081542.D
Isopropylbenzene	20,386	1.00	0.830 g	34.33	2.03	S23081542.D
1,3,5-Trimethylbenzene	20,386	1.00	0.830 g	117.87	6.97	S23081542.D
1,2,4-Trimethylbenzene	20,386	1.00	0.830 g	89.15	5.27	S23081542.D
1,3-Dichlorobenzene	20,386	1.00	0.750 g	U	U	S23081542.D
1,4-Dichlorobenzene	20,386	1.00	0.750 g	U	U	S23081542.D
1,2-Dichlorobenzene	20,386	1.00	0.750 g	U	U	S23081542.D
1,2,4-Trichlorobenzene	20,386	1.00	0.390 g	U	U	S23081542.D
Naphthalene	20,386	1.00	0.800 g	U	U	S23081542.D
1,2,3-Trichlorobenzene	20,386	1.00	0.390 g	U	U	S23081542.D
2-Methylnaphthalene	20,386	1.00	0.760 g	U	U	S23081542.D
TPH C4-C9	20,386	1.00	0.590 g	U	U	S23081542.D
TPH C10-C15	20,386	1.00	0.690 g	9041.71	643	S23081542.D

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-65 **Sample Name:** PSG-59						
Vinyl Chloride	20,377	1.00	0.810	23.34	1.41	S23081543.D
1,1-Dichloroethene	20,377	1.00	0.330	15.43	2.29	S23081543.D
Methylene Chloride	20,377	1.00	0.350 g	U	U	S23081543.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,377	1.00	0.890 g	U	U	S23081543.D
trans-1,2-Dichloroethene	20,377	1.00	0.440	U	U	S23081543.D
Methyl-t-butyl ether	20,377	1.00	0.500 g	U	U	S23081543.D
1,1-Dichloroethane	20,377	18.99	0.850	66.52	72.9	C23081607.D
cis-1,2-Dichloroethene	20,377	1.00	0.530	U	U	S23081543.D
Chloroform	20,377	1.00	0.350 g	U	U	S23081543.D
1,2-Dichloroethane	20,377	1.00	0.560	U	U	S23081543.D
1,1,1-Trichloroethane	20,377	1.00	1.050	114.39	5.35	S23081543.D
Carbon Tetrachloride	20,377	1.00	0.430 g	U	U	S23081543.D
Benzene	20,377	1.00	0.530	60.84	5.63	S23081543.D
Trichloroethene	20,377	1.00	0.330	U	U	S23081543.D
1,4-Dioxane	20,377	18.99	0.410 g	48.28	110	C23081607.D
1,1,2-Trichloroethane	20,377	1.00	0.330 g	U	U	S23081543.D
Toluene	20,377	1.00	0.400	34.44	4.23	S23081543.D
1,2-Dibromoethane (EDB)	20,377	1.00	0.390 g	U	U	S23081543.D
Tetrachloroethene	20,377	1.00	0.410	71.24	8.53	S23081543.D
1,1,1,2-Tetrachloroethane	20,377	1.00	0.410 g	U	U	S23081543.D
Chlorobenzene	20,377	1.00	0.850 g	U	U	S23081543.D
Ethylbenzene	20,377	1.00	0.850	72.69	4.20	S23081543.D
p & m-Xylene	20,377	1.00	0.880	345.42	19.3	S23081543.D
o-Xylene	20,377	1.00	0.880	171.12	9.54	S23081543.D
1,2,3-Trichloropropane	20,377	1.00	0.750 g	U	U	S23081543.D
Isopropylbenzene	20,377	1.00	0.830 g	U	U	S23081543.D
1,3,5-Trimethylbenzene	20,377	1.00	0.830 g	U	U	S23081543.D
1,2,4-Trimethylbenzene	20,377	1.00	0.830 g	U	U	S23081543.D
1,3-Dichlorobenzene	20,377	1.00	0.750 g	U	U	S23081543.D
1,4-Dichlorobenzene	20,377	1.00	0.750 g	U	U	S23081543.D
1,2-Dichlorobenzene	20,377	1.00	0.750 g	U	U	S23081543.D
1,2,4-Trichlorobenzene	20,377	1.00	0.390 g	U	U	S23081543.D
Naphthalene	20,377	1.00	0.800 g	U	U	S23081543.D
1,2,3-Trichlorobenzene	20,377	1.00	0.390 g	U	U	S23081543.D
2-Methylnaphthalene	20,377	1.00	0.760 g	U	U	S23081543.D
TPH C4-C9	20,377	1.00	0.590 g	U	U	S23081543.D
TPH C10-C15	20,377	1.00	0.690 g	15375.20	1,090	S23081543.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Lab ID: 0007137-66 **Sample Name:** PSG-60

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Vinyl Chloride	20,255	1.00	0.810	U	U	S23081544.D
1,1-Dichloroethene	20,255	1.00	0.330	U	U	S23081544.D
Methylene Chloride	20,255	1.00	0.350 g	U	U	S23081544.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,255	1.00	0.890 g	U	U	S23081544.D
trans-1,2-Dichloroethene	20,255	1.00	0.440	U	U	S23081544.D
Methyl-t-butyl ether	20,255	1.00	0.500 g	U	U	S23081544.D
1,1-Dichloroethane	20,255	1.00	0.850	U	U	S23081544.D
cis-1,2-Dichloroethene	20,255	1.00	0.530	U	U	S23081544.D
Chloroform	20,255	1.00	0.350 g	U	U	S23081544.D
1,2-Dichloroethane	20,255	1.00	0.560	U	U	S23081544.D
1,1,1-Trichloroethane	20,255	1.00	1.050	U	U	S23081544.D
Carbon Tetrachloride	20,255	1.00	0.430 g	U	U	S23081544.D
Benzene	20,255	1.00	0.530	76.36	7.11	S23081544.D
Trichloroethene	20,255	1.00	0.330	U	U	S23081544.D
1,4-Dioxane	20,255	1.00	0.410 g	U	U	S23081544.D
1,1,2-Trichloroethane	20,255	1.00	0.330 g	U	U	S23081544.D
Toluene	20,255	1.00	0.400	U	U	S23081544.D
1,2-Dibromoethane (EDB)	20,255	1.00	0.390 g	U	U	S23081544.D
Tetrachloroethene	20,255	1.00	0.410	333.30	40.1	S23081544.D
1,1,1,2-Tetrachloroethane	20,255	1.00	0.410 g	U	U	S23081544.D
Chlorobenzene	20,255	1.00	0.850 g	U	U	S23081544.D
Ethylbenzene	20,255	1.00	0.850	U	U	S23081544.D
p & m-Xylene	20,255	1.00	0.880	U	U	S23081544.D
o-Xylene	20,255	1.00	0.880	U	U	S23081544.D
1,2,3-Trichloropropane	20,255	1.00	0.750 g	U	U	S23081544.D
Isopropylbenzene	20,255	1.00	0.830 g	U	U	S23081544.D
1,3,5-Trimethylbenzene	20,255	1.00	0.830 g	U	U	S23081544.D
1,2,4-Trimethylbenzene	20,255	1.00	0.830 g	U	U	S23081544.D
1,3-Dichlorobenzene	20,255	1.00	0.750 g	U	U	S23081544.D
1,4-Dichlorobenzene	20,255	1.00	0.750 g	U	U	S23081544.D
1,2-Dichlorobenzene	20,255	1.00	0.750 g	U	U	S23081544.D
1,2,4-Trichlorobenzene	20,255	1.00	0.390 g	U	U	S23081544.D
Naphthalene	20,255	1.00	0.800 g	U	U	S23081544.D
1,2,3-Trichlorobenzene	20,255	1.00	0.390 g	U	U	S23081544.D
2-Methylnaphthalene	20,255	1.00	0.760 g	U	U	S23081544.D
TPH C4-C9	20,255	1.00	0.590 g	U	U	S23081544.D
TPH C10-C15	20,255	1.00	0.690 g	U	U	S23081544.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-67 **Sample Name:** PSG-61						
Vinyl Chloride	20,377	1.00	0.810	U	U	S23081545.D
1,1-Dichloroethene	20,377	1.00	0.330	21.36	3.18	S23081545.D
Methylene Chloride	20,377	1.00	0.350 g	U	U	S23081545.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,377	1.00	0.890 g	U	U	S23081545.D
trans-1,2-Dichloroethene	20,377	1.00	0.440	U	U	S23081545.D
Methyl-t-butyl ether	20,377	1.00	0.500 g	U	U	S23081545.D
1,1-Dichloroethane	20,377	1.00	0.850	331.62	19.1	S23081545.D
cis-1,2-Dichloroethene	20,377	1.00	0.530	U	U	S23081545.D
Chloroform	20,377	1.00	0.350 g	U	U	S23081545.D
1,2-Dichloroethane	20,377	1.00	0.560	U	U	S23081545.D
1,1,1-Trichloroethane	20,377	1.00	1.050	68.21	3.19	S23081545.D
Carbon Tetrachloride	20,377	1.00	0.430 g	U	U	S23081545.D
Benzene	20,377	1.00	0.530	1079.54	100	S23081545.D
Trichloroethene	20,377	1.00	0.330	11.53	1.71	S23081545.D
1,4-Dioxane	20,377	1.00	0.410 g	86.33	10.3	S23081545.D
1,1,2-Trichloroethane	20,377	1.00	0.330 g	U	U	S23081545.D
Toluene	20,377	1.00	0.400	468.10	57.4	S23081545.D
1,2-Dibromoethane (EDB)	20,377	1.00	0.390 g	U	U	S23081545.D
Tetrachloroethene	20,377	1.00	0.410	U	U	S23081545.D
1,1,1,2-Tetrachloroethane	20,377	1.00	0.410 g	U	U	S23081545.D
Chlorobenzene	20,377	1.00	0.850 g	U	U	S23081545.D
Ethylbenzene	20,377	1.00	0.850	157.67	9.10	S23081545.D
p & m-Xylene	20,377	1.00	0.880	512.99	28.6	S23081545.D
o-Xylene	20,377	1.00	0.880	756.63	42.2	S23081545.D
1,2,3-Trichloropropane	20,377	1.00	0.750 g	U	U	S23081545.D
Isopropylbenzene	20,377	1.00	0.830 g	264.94	15.7	S23081545.D
1,3,5-Trimethylbenzene	20,377	1.00	0.830 g	543.87	32.2	S23081545.D
1,2,4-Trimethylbenzene	20,377	1.00	0.830 g	662.19	39.2	S23081545.D
1,3-Dichlorobenzene	20,377	1.00	0.750 g	U	U	S23081545.D
1,4-Dichlorobenzene	20,377	1.00	0.750 g	U	U	S23081545.D
1,2-Dichlorobenzene	20,377	1.00	0.750 g	U	U	S23081545.D
1,2,4-Trichlorobenzene	20,377	1.00	0.390 g	U	U	S23081545.D
Naphthalene	20,377	1.00	0.800 g	104.79	6.43	S23081545.D
1,2,3-Trichlorobenzene	20,377	1.00	0.390 g	U	U	S23081545.D
2-Methylnaphthalene	20,377	1.00	0.760 g	66.96	4.32	S23081545.D
TPH C4-C9	20,377	1.00	0.590 g	52833.93	4,390	S23081545.D
TPH C10-C15	20,377	1.00	0.690 g	48598.39	3,460	S23081545.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Lab ID: 0007137-68 **Sample Name:** PSG-61-Dup

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Vinyl Chloride	20,377	1.00	0.810	16.05	0.97	S23081546.D
1,1-Dichloroethene	20,377	1.00	0.330	24.04	3.58	S23081546.D
Methylene Chloride	20,377	1.00	0.350 g	U	U	S23081546.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,377	1.00	0.890 g	U	U	S23081546.D
trans-1,2-Dichloroethene	20,377	1.00	0.440	U	U	S23081546.D
Methyl-t-butyl ether	20,377	1.00	0.500 g	U	U	S23081546.D
1,1-Dichloroethane	20,377	1.00	0.850	308.25	17.8	S23081546.D
cis-1,2-Dichloroethene	20,377	1.00	0.530	U	U	S23081546.D
Chloroform	20,377	1.00	0.350 g	U	U	S23081546.D
1,2-Dichloroethane	20,377	1.00	0.560	U	U	S23081546.D
1,1,1-Trichloroethane	20,377	1.00	1.050	63.06	2.95	S23081546.D
Carbon Tetrachloride	20,377	1.00	0.430 g	U	U	S23081546.D
Benzene	20,377	1.00	0.530	849.54	78.7	S23081546.D
Trichloroethene	20,377	1.00	0.330	U	U	S23081546.D
1,4-Dioxane	20,377	1.00	0.410 g	78.85	9.44	S23081546.D
1,1,2-Trichloroethane	20,377	1.00	0.330 g	U	U	S23081546.D
Toluene	20,377	1.00	0.400	352.81	43.3	S23081546.D
1,2-Dibromoethane (EDB)	20,377	1.00	0.390 g	U	U	S23081546.D
Tetrachloroethene	20,377	1.00	0.410	U	U	S23081546.D
1,1,1,2-Tetrachloroethane	20,377	1.00	0.410 g	U	U	S23081546.D
Chlorobenzene	20,377	1.00	0.850 g	U	U	S23081546.D
Ethylbenzene	20,377	1.00	0.850	138.18	7.98	S23081546.D
p & m-Xylene	20,377	1.00	0.880	520.01	29.0	S23081546.D
o-Xylene	20,377	1.00	0.880	746.81	41.6	S23081546.D
1,2,3-Trichloropropane	20,377	1.00	0.750 g	U	U	S23081546.D
Isopropylbenzene	20,377	1.00	0.830 g	267.91	15.8	S23081546.D
1,3,5-Trimethylbenzene	20,377	1.00	0.830 g	529.46	31.3	S23081546.D
1,2,4-Trimethylbenzene	20,377	1.00	0.830 g	699.53	41.4	S23081546.D
1,3-Dichlorobenzene	20,377	1.00	0.750 g	U	U	S23081546.D
1,4-Dichlorobenzene	20,377	1.00	0.750 g	U	U	S23081546.D
1,2-Dichlorobenzene	20,377	1.00	0.750 g	U	U	S23081546.D
1,2,4-Trichlorobenzene	20,377	1.00	0.390 g	U	U	S23081546.D
Naphthalene	20,377	1.00	0.800 g	102.28	6.27	S23081546.D
1,2,3-Trichlorobenzene	20,377	1.00	0.390 g	U	U	S23081546.D
2-Methylnaphthalene	20,377	1.00	0.760 g	60.96	3.94	S23081546.D
TPH C4-C9	20,377	1.00	0.590 g	45626.88	3,800	S23081546.D
TPH C10-C15	20,377	1.00	0.690 g	45448.78	3,230	S23081546.D

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-69 **Sample Name:** PSG-62						
Vinyl Chloride	20,378	1.00	0.810	U	U	S23081547.D
1,1-Dichloroethene	20,378	1.00	0.330	168.53	25.1	S23081547.D
Methylene Chloride	20,378	1.00	0.350 g	U	U	S23081547.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,378	1.00	0.890 g	U	U	S23081547.D
trans-1,2-Dichloroethene	20,378	1.00	0.440	148.77	16.6	S23081547.D
Methyl-t-butyl ether	20,378	1.00	0.500 g	U	U	S23081547.D
1,1-Dichloroethane	20,378	1.00	0.850	U	U	S23081547.D
cis-1,2-Dichloroethene	20,378	1.00	0.530	688.13	63.7	S23081547.D
Chloroform	20,378	1.00	0.350 g	U	U	S23081547.D
1,2-Dichloroethane	20,378	1.00	0.560	U	U	S23081547.D
1,1,1-Trichloroethane	20,378	1.00	1.050	U	U	S23081547.D
Carbon Tetrachloride	20,378	1.00	0.430 g	U	U	S23081547.D
Benzene	20,378	1.00	0.530	103.16	9.55	S23081547.D
Trichloroethene	20,378	18.99	0.330	1386.47	3,920	C23081608.D
1,4-Dioxane	20,378	1.00	0.410 g	U	U	S23081547.D
1,1,2-Trichloroethane	20,378	1.00	0.330 g	U	U	S23081547.D
Toluene	20,378	1.00	0.400	79.96	9.81	S23081547.D
1,2-Dibromoethane (EDB)	20,378	1.00	0.390 g	U	U	S23081547.D
Tetrachloroethene	20,378	1.00	0.410	359.32	43.0	S23081547.D
1,1,1,2-Tetrachloroethane	20,378	1.00	0.410 g	U	U	S23081547.D
Chlorobenzene	20,378	1.00	0.850 g	U	U	S23081547.D
Ethylbenzene	20,378	1.00	0.850	U	U	S23081547.D
p & m-Xylene	20,378	1.00	0.880	44.61	2.49	S23081547.D
o-Xylene	20,378	1.00	0.880	37.76	2.11	S23081547.D
1,2,3-Trichloropropane	20,378	1.00	0.750 g	U	U	S23081547.D
Isopropylbenzene	20,378	1.00	0.830 g	U	U	S23081547.D
1,3,5-Trimethylbenzene	20,378	1.00	0.830 g	46.17	2.73	S23081547.D
1,2,4-Trimethylbenzene	20,378	1.00	0.830 g	44.63	2.64	S23081547.D
1,3-Dichlorobenzene	20,378	1.00	0.750 g	U	U	S23081547.D
1,4-Dichlorobenzene	20,378	1.00	0.750 g	U	U	S23081547.D
1,2-Dichlorobenzene	20,378	1.00	0.750 g	U	U	S23081547.D
1,2,4-Trichlorobenzene	20,378	1.00	0.390 g	U	U	S23081547.D
Naphthalene	20,378	1.00	0.800 g	31.32	1.92	S23081547.D
1,2,3-Trichlorobenzene	20,378	1.00	0.390 g	U	U	S23081547.D
2-Methylnaphthalene	20,378	1.00	0.760 g	U	U	S23081547.D
TPH C4-C9	20,378	1.00	0.590 g	84470.50	7,030	S23081547.D
TPH C10-C15	20,378	1.00	0.690 g	352420.90	25,100	S23081547.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-70 **Sample Name:** PSG-63						
Vinyl Chloride	20,317	1.00	0.810	U	U	S23081548.D
1,1-Dichloroethene	20,317	1.00	0.330	18.28	2.73	S23081548.D
Methylene Chloride	20,317	1.00	0.350 g	U	U	S23081548.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,317	1.00	0.890 g	U	U	S23081548.D
trans-1,2-Dichloroethene	20,317	1.00	0.440	U	U	S23081548.D
Methyl-t-butyl ether	20,317	1.00	0.500 g	U	U	S23081548.D
1,1-Dichloroethane	20,317	1.00	0.850	U	U	S23081548.D
cis-1,2-Dichloroethene	20,317	1.00	0.530	U	U	S23081548.D
Chloroform	20,317	1.00	0.350 g	18.20	2.56	S23081548.D
1,2-Dichloroethane	20,317	1.00	0.560	U	U	S23081548.D
1,1,1-Trichloroethane	20,317	1.00	1.050	24.55	1.15	S23081548.D
Carbon Tetrachloride	20,317	1.00	0.430 g	U	U	S23081548.D
Benzene	20,317	1.00	0.530	38.70	3.59	S23081548.D
Trichloroethene	20,317	1.00	0.330	36.15	5.39	S23081548.D
1,4-Dioxane	20,317	1.00	0.410 g	21.99	2.64	S23081548.D
1,1,2-Trichloroethane	20,317	1.00	0.330 g	U	U	S23081548.D
Toluene	20,317	1.00	0.400	U	U	S23081548.D
1,2-Dibromoethane (EDB)	20,317	1.00	0.390 g	U	U	S23081548.D
Tetrachloroethene	20,317	1.00	0.410	58.55	7.03	S23081548.D
1,1,1,2-Tetrachloroethane	20,317	1.00	0.410 g	U	U	S23081548.D
Chlorobenzene	20,317	1.00	0.850 g	U	U	S23081548.D
Ethylbenzene	20,317	1.00	0.850	U	U	S23081548.D
p & m-Xylene	20,317	1.00	0.880	53.99	3.02	S23081548.D
o-Xylene	20,317	1.00	0.880	29.92	1.67	S23081548.D
1,2,3-Trichloropropane	20,317	1.00	0.750 g	U	U	S23081548.D
Isopropylbenzene	20,317	1.00	0.830 g	U	U	S23081548.D
1,3,5-Trimethylbenzene	20,317	1.00	0.830 g	U	U	S23081548.D
1,2,4-Trimethylbenzene	20,317	1.00	0.830 g	U	U	S23081548.D
1,3-Dichlorobenzene	20,317	1.00	0.750 g	U	U	S23081548.D
1,4-Dichlorobenzene	20,317	1.00	0.750 g	U	U	S23081548.D
1,2-Dichlorobenzene	20,317	1.00	0.750 g	U	U	S23081548.D
1,2,4-Trichlorobenzene	20,317	1.00	0.390 g	U	U	S23081548.D
Naphthalene	20,317	1.00	0.800 g	U	U	S23081548.D
1,2,3-Trichlorobenzene	20,317	1.00	0.390 g	U	U	S23081548.D
2-Methylnaphthalene	20,317	1.00	0.760 g	U	U	S23081548.D
TPH C4-C9	20,317	1.00	0.590 g	U	U	S23081548.D
TPH C10-C15	20,317	1.00	0.690 g	15206.73	1,080	S23081548.D

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Result Calculation Summary (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial Result ng	C Calculated Result µg/m³	File ID
Lab ID: 0007137-71 **Sample Name:** PSG-64						
Vinyl Chloride	20,311	1.00	0.810	U	U	S23081549.D
1,1-Dichloroethene	20,311	1.00	0.330	U	U	S23081549.D
Methylene Chloride	20,311	1.00	0.350 g	U	U	S23081549.D
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,311	1.00	0.890 g	U	U	S23081549.D
trans-1,2-Dichloroethene	20,311	1.00	0.440	U	U	S23081549.D
Methyl-t-butyl ether	20,311	1.00	0.500 g	U	U	S23081549.D
1,1-Dichloroethane	20,311	1.00	0.850	U	U	S23081549.D
cis-1,2-Dichloroethene	20,311	1.00	0.530	U	U	S23081549.D
Chloroform	20,311	1.00	0.350 g	U	U	S23081549.D
1,2-Dichloroethane	20,311	1.00	0.560	U	U	S23081549.D
1,1,1-Trichloroethane	20,311	1.00	1.050	U	U	S23081549.D
Carbon Tetrachloride	20,311	1.00	0.430 g	U	U	S23081549.D
Benzene	20,311	1.00	0.530	U	U	S23081549.D
Trichloroethene	20,311	1.00	0.330	U	U	S23081549.D
1,4-Dioxane	20,311	1.00	0.410 g	U	U	S23081549.D
1,1,2-Trichloroethane	20,311	1.00	0.330 g	U	U	S23081549.D
Toluene	20,311	1.00	0.400	U	U	S23081549.D
1,2-Dibromoethane (EDB)	20,311	1.00	0.390 g	U	U	S23081549.D
Tetrachloroethene	20,311	1.00	0.410	10.62	1.28	S23081549.D
1,1,1,2-Tetrachloroethane	20,311	1.00	0.410 g	U	U	S23081549.D
Chlorobenzene	20,311	1.00	0.850 g	U	U	S23081549.D
Ethylbenzene	20,311	1.00	0.850	U	U	S23081549.D
p & m-Xylene	20,311	1.00	0.880	U	U	S23081549.D
o-Xylene	20,311	1.00	0.880	U	U	S23081549.D
1,2,3-Trichloropropane	20,311	1.00	0.750 g	U	U	S23081549.D
Isopropylbenzene	20,311	1.00	0.830 g	U	U	S23081549.D
1,3,5-Trimethylbenzene	20,311	1.00	0.830 g	U	U	S23081549.D
1,2,4-Trimethylbenzene	20,311	1.00	0.830 g	U	U	S23081549.D
1,3-Dichlorobenzene	20,311	1.00	0.750 g	U	U	S23081549.D
1,4-Dichlorobenzene	20,311	1.00	0.750 g	U	U	S23081549.D
1,2-Dichlorobenzene	20,311	1.00	0.750 g	U	U	S23081549.D
1,2,4-Trichlorobenzene	20,311	1.00	0.390 g	U	U	S23081549.D
Naphthalene	20,311	1.00	0.800 g	U	U	S23081549.D
1,2,3-Trichlorobenzene	20,311	1.00	0.390 g	U	U	S23081549.D
2-Methylnaphthalene	20,311	1.00	0.760 g	U	U	S23081549.D
TPH C4-C9	20,311	1.00	0.590 g	U	U	S23081549.D
TPH C10-C15	20,311	1.00	0.690 g	10628.67	758	S23081549.D

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Calculations:

$$C = \frac{1000 \times M \times DF}{U \times t}$$

where: C = concentration ($\mu g/m^3$)
M = mass (ng)
DF = dilution factor
t = sampling time (minutes)
U = compound specific uptake rate

[g] = Uptake rate determined using Graham's Law of Diffusion.

Reference: Federal Register/Vol. 79, No. 125/June 30, 2014

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-01 **Sample Name:** Trip 1

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,881	1.00	0.810	10.0	0.56
1,1-Dichloroethene	21,881	1.00	0.330	10.0	1.38
Methylene Chloride	21,881	1.00	0.350 g	10.0	1.31
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,881	1.00	0.890 g	10.0	0.51
trans-1,2-Dichloroethene	21,881	1.00	0.440	10.0	1.04
Methyl-t-butyl ether	21,881	1.00	0.500 g	25.0	2.29
1,1-Dichloroethane	21,881	1.00	0.850	10.0	0.54
cis-1,2-Dichloroethene	21,881	1.00	0.530	10.0	0.86
Chloroform	21,881	1.00	0.350 g	10.0	1.31
1,2-Dichloroethane	21,881	1.00	0.560	10.0	0.82
1,1,1-Trichloroethane	21,881	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,881	1.00	0.430 g	10.0	1.06
Benzene	21,881	1.00	0.530	25.0	2.16
Trichloroethene	21,881	1.00	0.330	10.0	1.38
1,4-Dioxane	21,881	1.00	0.410 g	10.0	1.11
1,1,2-Trichloroethane	21,881	1.00	0.330 g	10.0	1.38
Toluene	21,881	1.00	0.400	25.0	2.86
1,2-Dibromoethane (EDB)	21,881	1.00	0.390 g	5.0	0.59
Tetrachloroethene	21,881	1.00	0.410	10.0	1.11
1,1,1,2-Tetrachloroethane	21,881	1.00	0.410 g	10.0	1.11
Chlorobenzene	21,881	1.00	0.850 g	10.0	0.54
Ethylbenzene	21,881	1.00	0.850	25.0	1.34
p & m-Xylene	21,881	1.00	0.880	25.0	1.30
o-Xylene	21,881	1.00	0.880	25.0	1.30
1,2,3-Trichloropropane	21,881	1.00	0.750 g	10.0	0.61
Isopropylbenzene	21,881	1.00	0.830 g	25.0	1.38
1,3,5-Trimethylbenzene	21,881	1.00	0.830 g	25.0	1.38
1,2,4-Trimethylbenzene	21,881	1.00	0.830 g	25.0	1.38
1,3-Dichlorobenzene	21,881	1.00	0.750 g	10.0	0.61
1,4-Dichlorobenzene	21,881	1.00	0.750 g	10.0	0.61
1,2-Dichlorobenzene	21,881	1.00	0.750 g	10.0	0.61
1,2,4-Trichlorobenzene	21,881	1.00	0.390 g	10.0	1.17
Naphthalene	21,881	1.00	0.800 g	25.0	1.43
1,2,3-Trichlorobenzene	21,881	1.00	0.390 g	10.0	1.17
2-Methylnaphthalene	21,881	1.00	0.760 g	25.0	1.50
TPH C4-C9	21,881	1.00	0.590 g	5,000.0	387
TPH C10-C15	21,881	1.00	0.690 g	5,000.0	331

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-02 **Sample Name:** PSG-01

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,620	1.00	0.810	10.0	0.57
1,1-Dichloroethene	21,620	1.00	0.330	10.0	1.40
Methylene Chloride	21,620	1.00	0.350 g	10.0	1.32
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,620	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21,620	1.00	0.440	10.0	1.05
Methyl-t-butyl ether	21,620	1.00	0.500 g	25.0	2.31
1,1-Dichloroethane	21,620	1.00	0.850	10.0	0.54
cis-1,2-Dichloroethene	21,620	1.00	0.530	10.0	0.87
Chloroform	21,620	1.00	0.350 g	10.0	1.32
1,2-Dichloroethane	21,620	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,620	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,620	1.00	0.430 g	10.0	1.08
Benzene	21,620	1.00	0.530	25.0	2.18
Trichloroethene	21,620	1.00	0.330	10.0	1.40
1,4-Dioxane	21,620	1.00	0.410 g	10.0	1.13
1,1,2-Trichloroethane	21,620	1.00	0.330 g	10.0	1.40
Toluene	21,620	1.00	0.400	25.0	2.89
1,2-Dibromoethane (EDB)	21,620	1.00	0.390 g	5.0	0.59
Tetrachloroethene	21,620	1.00	0.410	10.0	1.13
1,1,1,2-Tetrachloroethane	21,620	1.00	0.410 g	10.0	1.13
Chlorobenzene	21,620	1.00	0.850 g	10.0	0.54
Ethylbenzene	21,620	1.00	0.850	25.0	1.36
p & m-Xylene	21,620	1.00	0.880	25.0	1.31
o-Xylene	21,620	1.00	0.880	25.0	1.31
1,2,3-Trichloropropane	21,620	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,620	1.00	0.830 g	25.0	1.39
1,3,5-Trimethylbenzene	21,620	1.00	0.830 g	25.0	1.39
1,2,4-Trimethylbenzene	21,620	1.00	0.830 g	25.0	1.39
1,3-Dichlorobenzene	21,620	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,620	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,620	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,620	1.00	0.390 g	10.0	1.19
Naphthalene	21,620	1.00	0.800 g	25.0	1.45
1,2,3-Trichlorobenzene	21,620	1.00	0.390 g	10.0	1.19
2-Methylnaphthalene	21,620	1.00	0.760 g	25.0	1.52
TPH C4-C9	21,620	1.00	0.590 g	5,000.0	392
TPH C10-C15	21,620	1.00	0.690 g	5,000.0	335

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-03 **Sample Name:** PSG-02

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,600	1.00	0.810	10.0	0.57
1,1-Dichloroethene	21,600	1.00	0.330	10.0	1.40
Methylene Chloride	21,600	1.00	0.350 g	10.0	1.32
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,600	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21,600	1.00	0.440	10.0	1.05
Methyl-t-butyl ether	21,600	1.00	0.500 g	25.0	2.31
1,1-Dichloroethane	21,600	1.00	0.850	10.0	0.54
cis-1,2-Dichloroethene	21,600	1.00	0.530	10.0	0.87
Chloroform	21,600	1.00	0.350 g	10.0	1.32
1,2-Dichloroethane	21,600	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,600	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,600	1.00	0.430 g	10.0	1.08
Benzene	21,600	1.00	0.530	25.0	2.18
Trichloroethene	21,600	1.00	0.330	10.0	1.40
1,4-Dioxane	21,600	1.00	0.410 g	10.0	1.13
1,1,2-Trichloroethane	21,600	1.00	0.330 g	10.0	1.40
Toluene	21,600	1.00	0.400	25.0	2.89
1,2-Dibromoethane (EDB)	21,600	1.00	0.390 g	5.0	0.59
Tetrachloroethene	21,600	1.00	0.410	10.0	1.13
1,1,1,2-Tetrachloroethane	21,600	1.00	0.410 g	10.0	1.13
Chlorobenzene	21,600	1.00	0.850 g	10.0	0.54
Ethylbenzene	21,600	1.00	0.850	25.0	1.36
p & m-Xylene	21,600	1.00	0.880	25.0	1.32
o-Xylene	21,600	1.00	0.880	25.0	1.32
1,2,3-Trichloropropane	21,600	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,600	1.00	0.830 g	25.0	1.39
1,3,5-Trimethylbenzene	21,600	1.00	0.830 g	25.0	1.39
1,2,4-Trimethylbenzene	21,600	1.00	0.830 g	25.0	1.39
1,3-Dichlorobenzene	21,600	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,600	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,600	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,600	1.00	0.390 g	10.0	1.19
Naphthalene	21,600	1.00	0.800 g	25.0	1.45
1,2,3-Trichlorobenzene	21,600	1.00	0.390 g	10.0	1.19
2-Methylnaphthalene	21,600	1.00	0.760 g	25.0	1.52
TPH C4-C9	21,600	1.00	0.590 g	5,000.0	392
TPH C10-C15	21,600	1.00	0.690 g	5,000.0	335

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-04 **Sample Name:** PSG-03

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,392	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,392	1.00	0.330	10.0	1.49
Methylene Chloride	20,392	1.00	0.350 g	10.0	1.40
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,392	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,392	1.00	0.440	10.0	1.11
Methyl-t-butyl ether	20,392	1.00	0.500 g	25.0	2.45
1,1-Dichloroethane	20,392	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,392	1.00	0.530	10.0	0.93
Chloroform	20,392	1.00	0.350 g	10.0	1.40
1,2-Dichloroethane	20,392	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,392	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,392	1.00	0.430 g	10.0	1.14
Benzene	20,392	1.00	0.530	25.0	2.31
Trichloroethene	20,392	1.00	0.330	10.0	1.49
1,4-Dioxane	20,392	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20,392	1.00	0.330 g	10.0	1.49
Toluene	20,392	1.00	0.400	25.0	3.06
1,2-Dibromoethane (EDB)	20,392	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,392	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,392	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,392	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,392	1.00	0.850	25.0	1.44
p & m-Xylene	20,392	1.00	0.880	25.0	1.39
o-Xylene	20,392	1.00	0.880	25.0	1.39
1,2,3-Trichloropropane	20,392	1.00	0.750 g	10.0	0.65
Isopropylbenzene	20,392	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20,392	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20,392	1.00	0.830 g	25.0	1.48
1,3-Dichlorobenzene	20,392	1.00	0.750 g	10.0	0.65
1,4-Dichlorobenzene	20,392	1.00	0.750 g	10.0	0.65
1,2-Dichlorobenzene	20,392	1.00	0.750 g	10.0	0.65
1,2,4-Trichlorobenzene	20,392	1.00	0.390 g	10.0	1.26
Naphthalene	20,392	1.00	0.800 g	25.0	1.53
1,2,3-Trichlorobenzene	20,392	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20,392	1.00	0.760 g	25.0	1.61
TPH C4-C9	20,392	1.00	0.590 g	5,000.0	416
TPH C10-C15	20,392	1.00	0.690 g	5,000.0	355

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-05 **Sample Name:** PSG-04

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20.400	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20.400	1.00	0.330	10.0	1.49
Methylene Chloride	20.400	1.00	0.350 g	10.0	1.40
1,1,2-Trichlorotrifluoroethane (Fr.113)	20.400	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20.400	1.00	0.440	10.0	1.11
Methyl-t-butyl ether	20.400	1.00	0.500 g	25.0	2.45
1,1-Dichloroethane	20.400	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20.400	1.00	0.530	10.0	0.92
Chloroform	20.400	1.00	0.350 g	10.0	1.40
1,2-Dichloroethane	20.400	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20.400	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20.400	1.00	0.430 g	10.0	1.14
Benzene	20.400	1.00	0.530	25.0	2.31
Trichloroethene	20.400	1.00	0.330	10.0	1.49
1,4-Dioxane	20.400	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20.400	1.00	0.330 g	10.0	1.49
Toluene	20.400	1.00	0.400	25.0	3.06
1,2-Dibromoethane (EDB)	20.400	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20.400	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20.400	1.00	0.410 g	10.0	1.20
Chlorobenzene	20.400	1.00	0.850 g	10.0	0.58
Ethylbenzene	20.400	1.00	0.850	25.0	1.44
p & m-Xylene	20.400	1.00	0.880	25.0	1.39
o-Xylene	20.400	1.00	0.880	25.0	1.39
1,2,3-Trichloropropane	20.400	1.00	0.750 g	10.0	0.65
Isopropylbenzene	20.400	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20.400	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20.400	1.00	0.830 g	25.0	1.48
1,3-Dichlorobenzene	20.400	1.00	0.750 g	10.0	0.65
1,4-Dichlorobenzene	20.400	1.00	0.750 g	10.0	0.65
1,2-Dichlorobenzene	20.400	1.00	0.750 g	10.0	0.65
1,2,4-Trichlorobenzene	20.400	1.00	0.390 g	10.0	1.26
Naphthalene	20.400	1.00	0.800 g	25.0	1.53
1,2,3-Trichlorobenzene	20.400	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20.400	1.00	0.760 g	25.0	1.61
TPH C4-C9	20.400	1.00	0.590 g	5,000.0	415
TPH C10-C15	20.400	1.00	0.690 g	5,000.0	355

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-06 **Sample Name:** PSG-05

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,428	1.00	0.810	10.0	0.58
1,1-Dichloroethene	21,428	1.00	0.330	10.0	1.41
Methylene Chloride	21,428	1.00	0.350 g	10.0	1.33
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,428	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21,428	1.00	0.440	10.0	1.06
Methyl-t-butyl ether	21,428	1.00	0.500 g	25.0	2.33
1,1-Dichloroethane	21,428	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,428	1.00	0.530	10.0	0.88
Chloroform	21,428	1.00	0.350 g	10.0	1.33
1,2-Dichloroethane	21,428	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,428	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,428	1.00	0.430 g	10.0	1.09
Benzene	21,428	1.00	0.530	25.0	2.20
Trichloroethene	21,428	1.00	0.330	10.0	1.41
1,4-Dioxane	21,428	1.00	0.410 g	10.0	1.14
1,1,2-Trichloroethane	21,428	1.00	0.330 g	10.0	1.41
Toluene	21,428	1.00	0.400	25.0	2.92
1,2-Dibromoethane (EDB)	21,428	1.00	0.390 g	5.0	0.60
Tetrachloroethene	21,428	1.00	0.410	10.0	1.14
1,1,1,2-Tetrachloroethane	21,428	1.00	0.410 g	10.0	1.14
Chlorobenzene	21,428	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,428	1.00	0.850	25.0	1.37
p & m-Xylene	21,428	1.00	0.880	25.0	1.33
o-Xylene	21,428	1.00	0.880	25.0	1.33
1,2,3-Trichloropropane	21,428	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,428	1.00	0.830 g	25.0	1.41
1,3,5-Trimethylbenzene	21,428	1.00	0.830 g	25.0	1.41
1,2,4-Trimethylbenzene	21,428	1.00	0.830 g	25.0	1.41
1,3-Dichlorobenzene	21,428	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,428	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,428	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,428	1.00	0.390 g	10.0	1.20
Naphthalene	21,428	1.00	0.800 g	25.0	1.46
1,2,3-Trichlorobenzene	21,428	1.00	0.390 g	10.0	1.20
2-Methylnaphthalene	21,428	1.00	0.760 g	25.0	1.54
TPH C4-C9	21,428	1.00	0.590 g	5,000.0	395
TPH C10-C15	21,428	1.00	0.690 g	5,000.0	338

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-07 **Sample Name:** PSG-06

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,420	1.00	0.810	10.0	0.58
1,1-Dichloroethene	21,420	1.00	0.330	10.0	1.41
Methylene Chloride	21,420	1.00	0.350 g	10.0	1.33
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,420	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21,420	1.00	0.440	10.0	1.06
Methyl-t-butyl ether	21,420	1.00	0.500 g	25.0	2.33
1,1-Dichloroethane	21,420	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,420	1.00	0.530	10.0	0.88
Chloroform	21,420	1.00	0.350 g	10.0	1.33
1,2-Dichloroethane	21,420	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,420	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,420	1.00	0.430 g	10.0	1.09
Benzene	21,420	1.00	0.530	25.0	2.20
Trichloroethene	21,420	1.00	0.330	10.0	1.41
1,4-Dioxane	21,420	1.00	0.410 g	10.0	1.14
1,1,2-Trichloroethane	21,420	1.00	0.330 g	10.0	1.41
Toluene	21,420	1.00	0.400	25.0	2.92
1,2-Dibromoethane (EDB)	21,420	1.00	0.390 g	5.0	0.60
Tetrachloroethene	21,420	1.00	0.410	10.0	1.14
1,1,1,2-Tetrachloroethane	21,420	1.00	0.410 g	10.0	1.14
Chlorobenzene	21,420	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,420	1.00	0.850	25.0	1.37
p & m-Xylene	21,420	1.00	0.880	25.0	1.33
o-Xylene	21,420	1.00	0.880	25.0	1.33
1,2,3-Trichloropropane	21,420	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,420	1.00	0.830 g	25.0	1.41
1,3,5-Trimethylbenzene	21,420	1.00	0.830 g	25.0	1.41
1,2,4-Trimethylbenzene	21,420	1.00	0.830 g	25.0	1.41
1,3-Dichlorobenzene	21,420	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,420	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,420	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,420	1.00	0.390 g	10.0	1.20
Naphthalene	21,420	1.00	0.800 g	25.0	1.46
1,2,3-Trichlorobenzene	21,420	1.00	0.390 g	10.0	1.20
2-Methylnaphthalene	21,420	1.00	0.760 g	25.0	1.54
TPH C4-C9	21,420	1.00	0.590 g	5,000.0	396
TPH C10-C15	21,420	1.00	0.690 g	5,000.0	338

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-08 **Sample Name:** PSG-07

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,417	1.00	0.810	10.0	0.58
1,1-Dichloroethene	21,417	1.00	0.330	10.0	1.41
Methylene Chloride	21,417	1.00	0.350 g	10.0	1.33
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,417	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21,417	1.00	0.440	10.0	1.06
Methyl-t-butyl ether	21,417	1.00	0.500 g	25.0	2.33
1,1-Dichloroethane	21,417	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,417	1.00	0.530	10.0	0.88
Chloroform	21,417	1.00	0.350 g	10.0	1.33
1,2-Dichloroethane	21,417	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,417	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,417	1.00	0.430 g	10.0	1.09
Benzene	21,417	1.00	0.530	25.0	2.20
Trichloroethene	21,417	1.00	0.330	10.0	1.41
1,4-Dioxane	21,417	1.00	0.410 g	10.0	1.14
1,1,2-Trichloroethane	21,417	1.00	0.330 g	10.0	1.41
Toluene	21,417	1.00	0.400	25.0	2.92
1,2-Dibromoethane (EDB)	21,417	1.00	0.390 g	5.0	0.60
Tetrachloroethene	21,417	1.00	0.410	10.0	1.14
1,1,1,2-Tetrachloroethane	21,417	1.00	0.410 g	10.0	1.14
Chlorobenzene	21,417	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,417	1.00	0.850	25.0	1.37
p & m-Xylene	21,417	1.00	0.880	25.0	1.33
o-Xylene	21,417	1.00	0.880	25.0	1.33
1,2,3-Trichloropropane	21,417	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,417	1.00	0.830 g	25.0	1.41
1,3,5-Trimethylbenzene	21,417	1.00	0.830 g	25.0	1.41
1,2,4-Trimethylbenzene	21,417	1.00	0.830 g	25.0	1.41
1,3-Dichlorobenzene	21,417	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,417	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,417	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,417	1.00	0.390 g	10.0	1.20
Naphthalene	21,417	1.00	0.800 g	25.0	1.46
1,2,3-Trichlorobenzene	21,417	1.00	0.390 g	10.0	1.20
2-Methylnaphthalene	21,417	1.00	0.760 g	25.0	1.54
TPH C4-C9	21,417	1.00	0.590 g	5,000.0	396
TPH C10-C15	21,417	1.00	0.690 g	5,000.0	338

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-09 **Sample Name:** PSG-08

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,406	1.00	0.810	10.0	0.58
1,1-Dichloroethene	21,406	1.00	0.330	10.0	1.42
Methylene Chloride	21,406	1.00	0.350 g	10.0	1.33
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,406	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21,406	1.00	0.440	10.0	1.06
Methyl-t-butyl ether	21,406	1.00	0.500 g	25.0	2.34
1,1-Dichloroethane	21,406	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,406	1.00	0.530	10.0	0.88
Chloroform	21,406	1.00	0.350 g	10.0	1.33
1,2-Dichloroethane	21,406	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,406	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,406	1.00	0.430 g	10.0	1.09
Benzene	21,406	1.00	0.530	25.0	2.20
Trichloroethene	21,406	1.00	0.330	10.0	1.42
1,4-Dioxane	21,406	1.00	0.410 g	10.0	1.14
1,1,2-Trichloroethane	21,406	1.00	0.330 g	10.0	1.42
Toluene	21,406	1.00	0.400	25.0	2.92
1,2-Dibromoethane (EDB)	21,406	1.00	0.390 g	5.0	0.60
Tetrachloroethene	21,406	1.00	0.410	10.0	1.14
1,1,1,2-Tetrachloroethane	21,406	1.00	0.410 g	10.0	1.14
Chlorobenzene	21,406	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,406	1.00	0.850	25.0	1.37
p & m-Xylene	21,406	1.00	0.880	25.0	1.33
o-Xylene	21,406	1.00	0.880	25.0	1.33
1,2,3-Trichloropropane	21,406	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,406	1.00	0.830 g	25.0	1.41
1,3,5-Trimethylbenzene	21,406	1.00	0.830 g	25.0	1.41
1,2,4-Trimethylbenzene	21,406	1.00	0.830 g	25.0	1.41
1,3-Dichlorobenzene	21,406	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,406	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,406	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,406	1.00	0.390 g	10.0	1.20
Naphthalene	21,406	1.00	0.800 g	25.0	1.46
1,2,3-Trichlorobenzene	21,406	1.00	0.390 g	10.0	1.20
2-Methylnaphthalene	21,406	1.00	0.760 g	25.0	1.54
TPH C4-C9	21,406	1.00	0.590 g	5,000.0	396
TPH C10-C15	21,406	1.00	0.690 g	5,000.0	339

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-10 **Sample Name:** PSG-09

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,189	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,189	1.00	0.330	10.0	1.50
Methylene Chloride	20,189	1.00	0.350 g	10.0	1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,189	1.00	0.890 g	10.0	0.56
trans-1,2-Dichloroethene	20,189	1.00	0.440	10.0	1.13
Methyl-t-butyl ether	20,189	1.00	0.500 g	25.0	2.48
1,1-Dichloroethane	20,189	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,189	1.00	0.530	10.0	0.93
Chloroform	20,189	1.00	0.350 g	10.0	1.42
1,2-Dichloroethane	20,189	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,189	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,189	1.00	0.430 g	10.0	1.15
Benzene	20,189	1.00	0.530	25.0	2.34
Trichloroethene	20,189	1.00	0.330	10.0	1.50
1,4-Dioxane	20,189	1.00	0.410 g	10.0	1.21
1,1,2-Trichloroethane	20,189	1.00	0.330 g	10.0	1.50
Toluene	20,189	1.00	0.400	25.0	3.10
1,2-Dibromoethane (EDB)	20,189	1.00	0.390 g	5.0	0.64
Tetrachloroethene	20,189	1.00	0.410	10.0	1.21
1,1,1,2-Tetrachloroethane	20,189	1.00	0.410 g	10.0	1.21
Chlorobenzene	20,189	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,189	1.00	0.850	25.0	1.46
p & m-Xylene	20,189	1.00	0.880	25.0	1.41
o-Xylene	20,189	1.00	0.880	25.0	1.41
1,2,3-Trichloropropane	20,189	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,189	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20,189	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20,189	1.00	0.830 g	25.0	1.49
1,3-Dichlorobenzene	20,189	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,189	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,189	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,189	1.00	0.390 g	10.0	1.27
Naphthalene	20,189	1.00	0.800 g	25.0	1.55
1,2,3-Trichlorobenzene	20,189	1.00	0.390 g	10.0	1.27
2-Methylnaphthalene	20,189	1.00	0.760 g	25.0	1.63
TPH C4-C9	20,189	1.00	0.590 g	5,000.0	420
TPH C10-C15	20,189	1.00	0.690 g	5,000.0	359

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-11 **Sample Name:** PSG-10

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20.178	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20.178	1.00	0.330	10.0	1.50
Methylene Chloride	20.178	1.00	0.350 g	10.0	1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	20.178	1.00	0.890 g	10.0	0.56
trans-1,2-Dichloroethene	20.178	1.00	0.440	10.0	1.13
Methyl-t-butyl ether	20.178	1.00	0.500 g	25.0	2.48
1,1-Dichloroethane	20.178	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20.178	1.00	0.530	10.0	0.94
Chloroform	20.178	1.00	0.350 g	10.0	1.42
1,2-Dichloroethane	20.178	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20.178	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20.178	1.00	0.430 g	10.0	1.15
Benzene	20.178	1.00	0.530	25.0	2.34
Trichloroethene	20.178	1.00	0.330	10.0	1.50
1,4-Dioxane	20.178	1.00	0.410 g	10.0	1.21
1,1,2-Trichloroethane	20.178	1.00	0.330 g	10.0	1.50
Toluene	20.178	1.00	0.400	25.0	3.10
1,2-Dibromoethane (EDB)	20.178	1.00	0.390 g	5.0	0.64
Tetrachloroethene	20.178	1.00	0.410	10.0	1.21
1,1,1,2-Tetrachloroethane	20.178	1.00	0.410 g	10.0	1.21
Chlorobenzene	20.178	1.00	0.850 g	10.0	0.58
Ethylbenzene	20.178	1.00	0.850	25.0	1.46
p & m-Xylene	20.178	1.00	0.880	25.0	1.41
o-Xylene	20.178	1.00	0.880	25.0	1.41
1,2,3-Trichloropropane	20.178	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20.178	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20.178	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20.178	1.00	0.830 g	25.0	1.49
1,3-Dichlorobenzene	20.178	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20.178	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20.178	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20.178	1.00	0.390 g	10.0	1.27
Naphthalene	20.178	1.00	0.800 g	25.0	1.55
1,2,3-Trichlorobenzene	20.178	1.00	0.390 g	10.0	1.27
2-Methylnaphthalene	20.178	1.00	0.760 g	25.0	1.63
TPH C4-C9	20.178	1.00	0.590 g	5,000.0	420
TPH C10-C15	20.178	1.00	0.690 g	5,000.0	359

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-12 **Sample Name:** PSG-11

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20.185	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20.185	1.00	0.330	10.0	1.50
Methylene Chloride	20.185	1.00	0.350 g	10.0	1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	20.185	1.00	0.890 g	10.0	0.56
trans-1,2-Dichloroethene	20.185	1.00	0.440	10.0	1.13
Methyl-t-butyl ether	20.185	1.00	0.500 g	25.0	2.48
1,1-Dichloroethane	20.185	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20.185	1.00	0.530	10.0	0.93
Chloroform	20.185	1.00	0.350 g	10.0	1.42
1,2-Dichloroethane	20.185	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20.185	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20.185	1.00	0.430 g	10.0	1.15
Benzene	20.185	1.00	0.530	25.0	2.34
Trichloroethene	20.185	1.00	0.330	10.0	1.50
1,4-Dioxane	20.185	1.00	0.410 g	10.0	1.21
1,1,2-Trichloroethane	20.185	1.00	0.330 g	10.0	1.50
Toluene	20.185	1.00	0.400	25.0	3.10
1,2-Dibromoethane (EDB)	20.185	1.00	0.390 g	5.0	0.64
Tetrachloroethene	20.185	1.00	0.410	10.0	1.21
1,1,1,2-Tetrachloroethane	20.185	1.00	0.410 g	10.0	1.21
Chlorobenzene	20.185	1.00	0.850 g	10.0	0.58
Ethylbenzene	20.185	1.00	0.850	25.0	1.46
p & m-Xylene	20.185	1.00	0.880	25.0	1.41
o-Xylene	20.185	1.00	0.880	25.0	1.41
1,2,3-Trichloropropane	20.185	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20.185	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20.185	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20.185	19.18	0.830 g	25.0	28.6
1,3-Dichlorobenzene	20.185	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20.185	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20.185	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20.185	1.00	0.390 g	10.0	1.27
Naphthalene	20.185	19.18	0.800 g	25.0	29.7
1,2,3-Trichlorobenzene	20.185	1.00	0.390 g	10.0	1.27
2-Methylnaphthalene	20.185	19.18	0.760 g	25.0	31.3
TPH C4-C9	20.185	1.00	0.590 g	5,000.0	420
TPH C10-C15	20.185	1.00	0.690 g	5,000.0	359

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-13 **Sample Name:** PSG-12

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20.443	1.00	0.810	10.0	0.60
1,1-Dichloroethene	20.443	1.00	0.330	10.0	1.48
Methylene Chloride	20.443	1.00	0.350 g	10.0	1.40
1,1,2-Trichlorotrifluoroethane (Fr.113)	20.443	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20.443	1.00	0.440	10.0	1.11
Methyl-t-butyl ether	20.443	1.00	0.500 g	25.0	2.45
1,1-Dichloroethane	20.443	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20.443	1.00	0.530	10.0	0.92
Chloroform	20.443	1.00	0.350 g	10.0	1.40
1,2-Dichloroethane	20.443	1.00	0.560	10.0	0.87
1,1,1-Trichloroethane	20.443	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20.443	1.00	0.430 g	10.0	1.14
Benzene	20.443	1.00	0.530	25.0	2.31
Trichloroethene	20.443	1.00	0.330	10.0	1.48
1,4-Dioxane	20.443	1.00	0.410 g	10.0	1.19
1,1,2-Trichloroethane	20.443	1.00	0.330 g	10.0	1.48
Toluene	20.443	1.00	0.400	25.0	3.06
1,2-Dibromoethane (EDB)	20.443	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20.443	1.00	0.410	10.0	1.19
1,1,1,2-Tetrachloroethane	20.443	1.00	0.410 g	10.0	1.19
Chlorobenzene	20.443	1.00	0.850 g	10.0	0.58
Ethylbenzene	20.443	1.00	0.850	25.0	1.44
p & m-Xylene	20.443	1.00	0.880	25.0	1.39
o-Xylene	20.443	1.00	0.880	25.0	1.39
1,2,3-Trichloropropane	20.443	1.00	0.750 g	10.0	0.65
Isopropylbenzene	20.443	1.00	0.830 g	25.0	1.47
1,3,5-Trimethylbenzene	20.443	1.00	0.830 g	25.0	1.47
1,2,4-Trimethylbenzene	20.443	1.00	0.830 g	25.0	1.47
1,3-Dichlorobenzene	20.443	1.00	0.750 g	10.0	0.65
1,4-Dichlorobenzene	20.443	1.00	0.750 g	10.0	0.65
1,2-Dichlorobenzene	20.443	1.00	0.750 g	10.0	0.65
1,2,4-Trichlorobenzene	20.443	1.00	0.390 g	10.0	1.25
Naphthalene	20.443	1.00	0.800 g	25.0	1.53
1,2,3-Trichlorobenzene	20.443	1.00	0.390 g	10.0	1.25
2-Methylnaphthalene	20.443	1.00	0.760 g	25.0	1.61
TPH C4-C9	20.443	1.00	0.590 g	5,000.0	415
TPH C10-C15	20.443	1.00	0.690 g	5,000.0	354

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-14 **Sample Name:** PSG-13

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,450	1.00	0.810	10.0	0.60
1,1-Dichloroethene	20,450	1.00	0.330	10.0	1.48
Methylene Chloride	20,450	1.00	0.350 g	10.0	1.40
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,450	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,450	1.00	0.440	10.0	1.11
Methyl-t-butyl ether	20,450	1.00	0.500 g	25.0	2.44
1,1-Dichloroethane	20,450	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,450	1.00	0.530	10.0	0.92
Chloroform	20,450	1.00	0.350 g	10.0	1.40
1,2-Dichloroethane	20,450	1.00	0.560	10.0	0.87
1,1,1-Trichloroethane	20,450	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,450	1.00	0.430 g	10.0	1.14
Benzene	20,450	1.00	0.530	25.0	2.31
Trichloroethene	20,450	1.00	0.330	10.0	1.48
1,4-Dioxane	20,450	1.00	0.410 g	10.0	1.19
1,1,2-Trichloroethane	20,450	1.00	0.330 g	10.0	1.48
Toluene	20,450	1.00	0.400	25.0	3.06
1,2-Dibromoethane (EDB)	20,450	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,450	1.00	0.410	10.0	1.19
1,1,1,2-Tetrachloroethane	20,450	1.00	0.410 g	10.0	1.19
Chlorobenzene	20,450	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,450	1.00	0.850	25.0	1.44
p & m-Xylene	20,450	1.00	0.880	25.0	1.39
o-Xylene	20,450	1.00	0.880	25.0	1.39
1,2,3-Trichloropropane	20,450	1.00	0.750 g	10.0	0.65
Isopropylbenzene	20,450	1.00	0.830 g	25.0	1.47
1,3,5-Trimethylbenzene	20,450	1.00	0.830 g	25.0	1.47
1,2,4-Trimethylbenzene	20,450	1.00	0.830 g	25.0	1.47
1,3-Dichlorobenzene	20,450	1.00	0.750 g	10.0	0.65
1,4-Dichlorobenzene	20,450	1.00	0.750 g	10.0	0.65
1,2-Dichlorobenzene	20,450	1.00	0.750 g	10.0	0.65
1,2,4-Trichlorobenzene	20,450	1.00	0.390 g	10.0	1.25
Naphthalene	20,450	1.00	0.800 g	25.0	1.53
1,2,3-Trichlorobenzene	20,450	1.00	0.390 g	10.0	1.25
2-Methylnaphthalene	20,450	1.00	0.760 g	25.0	1.61
TPH C4-C9	20,450	1.00	0.590 g	5,000.0	414
TPH C10-C15	20,450	1.00	0.690 g	5,000.0	354

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-15 **Sample Name:** PSG-14

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,585	1.00	0.810	10.0	0.57
1,1-Dichloroethene	21,585	1.00	0.330	10.0	1.40
Methylene Chloride	21,585	1.00	0.350 g	10.0	1.32
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,585	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21,585	1.00	0.440	10.0	1.05
Methyl-t-butyl ether	21,585	1.00	0.500 g	25.0	2.32
1,1-Dichloroethane	21,585	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,585	1.00	0.530	10.0	0.87
Chloroform	21,585	1.00	0.350 g	10.0	1.32
1,2-Dichloroethane	21,585	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,585	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,585	1.00	0.430 g	10.0	1.08
Benzene	21,585	1.00	0.530	25.0	2.19
Trichloroethene	21,585	1.00	0.330	10.0	1.40
1,4-Dioxane	21,585	1.00	0.410 g	10.0	1.13
1,1,2-Trichloroethane	21,585	1.00	0.330 g	10.0	1.40
Toluene	21,585	1.00	0.400	25.0	2.90
1,2-Dibromoethane (EDB)	21,585	1.00	0.390 g	5.0	0.59
Tetrachloroethene	21,585	1.00	0.410	10.0	1.13
1,1,1,2-Tetrachloroethane	21,585	1.00	0.410 g	10.0	1.13
Chlorobenzene	21,585	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,585	1.00	0.850	25.0	1.36
p & m-Xylene	21,585	1.00	0.880	25.0	1.32
o-Xylene	21,585	1.00	0.880	25.0	1.32
1,2,3-Trichloropropane	21,585	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,585	1.00	0.830 g	25.0	1.40
1,3,5-Trimethylbenzene	21,585	1.00	0.830 g	25.0	1.40
1,2,4-Trimethylbenzene	21,585	1.00	0.830 g	25.0	1.40
1,3-Dichlorobenzene	21,585	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,585	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,585	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,585	1.00	0.390 g	10.0	1.19
Naphthalene	21,585	1.00	0.800 g	25.0	1.45
1,2,3-Trichlorobenzene	21,585	1.00	0.390 g	10.0	1.19
2-Methylnaphthalene	21,585	1.00	0.760 g	25.0	1.52
TPH C4-C9	21,585	1.00	0.590 g	5,000.0	393
TPH C10-C15	21,585	1.00	0.690 g	5,000.0	336

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-16 **Sample Name:** PSG-15

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,569	1.00	0.810	10.0	0.57
1,1-Dichloroethene	21,569	1.00	0.330	10.0	1.40
Methylene Chloride	21,569	1.00	0.350 g	10.0	1.32
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,569	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21,569	1.00	0.440	10.0	1.05
Methyl-t-butyl ether	21,569	1.00	0.500 g	25.0	2.32
1,1-Dichloroethane	21,569	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,569	1.00	0.530	10.0	0.87
Chloroform	21,569	1.00	0.350 g	10.0	1.32
1,2-Dichloroethane	21,569	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,569	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,569	1.00	0.430 g	10.0	1.08
Benzene	21,569	1.00	0.530	25.0	2.19
Trichloroethene	21,569	1.00	0.330	10.0	1.40
1,4-Dioxane	21,569	1.00	0.410 g	10.0	1.13
1,1,2-Trichloroethane	21,569	1.00	0.330 g	10.0	1.40
Toluene	21,569	1.00	0.400	25.0	2.90
1,2-Dibromoethane (EDB)	21,569	1.00	0.390 g	5.0	0.59
Tetrachloroethene	21,569	1.00	0.410	10.0	1.13
1,1,1,2-Tetrachloroethane	21,569	1.00	0.410 g	10.0	1.13
Chlorobenzene	21,569	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,569	1.00	0.850	25.0	1.36
p & m-Xylene	21,569	1.00	0.880	25.0	1.32
o-Xylene	21,569	1.00	0.880	25.0	1.32
1,2,3-Trichloropropane	21,569	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,569	1.00	0.830 g	25.0	1.40
1,3,5-Trimethylbenzene	21,569	1.00	0.830 g	25.0	1.40
1,2,4-Trimethylbenzene	21,569	1.00	0.830 g	25.0	1.40
1,3-Dichlorobenzene	21,569	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,569	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,569	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,569	1.00	0.390 g	10.0	1.19
Naphthalene	21,569	1.00	0.800 g	25.0	1.45
1,2,3-Trichlorobenzene	21,569	1.00	0.390 g	10.0	1.19
2-Methylnaphthalene	21,569	1.00	0.760 g	25.0	1.53
TPH C4-C9	21,569	1.00	0.590 g	5,000.0	393
TPH C10-C15	21,569	1.00	0.690 g	5,000.0	336

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-17 **Sample Name:** PSG-15-Dup

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,569	1.00	0.810	10.0	0.57
1,1-Dichloroethene	21,569	1.00	0.330	10.0	1.40
Methylene Chloride	21,569	1.00	0.350 g	10.0	1.32
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,569	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21,569	1.00	0.440	10.0	1.05
Methyl-t-butyl ether	21,569	1.00	0.500 g	25.0	2.32
1,1-Dichloroethane	21,569	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,569	1.00	0.530	10.0	0.87
Chloroform	21,569	1.00	0.350 g	10.0	1.32
1,2-Dichloroethane	21,569	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,569	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,569	1.00	0.430 g	10.0	1.08
Benzene	21,569	1.00	0.530	25.0	2.19
Trichloroethene	21,569	1.00	0.330	10.0	1.40
1,4-Dioxane	21,569	1.00	0.410 g	10.0	1.13
1,1,2-Trichloroethane	21,569	1.00	0.330 g	10.0	1.40
Toluene	21,569	1.00	0.400	25.0	2.90
1,2-Dibromoethane (EDB)	21,569	1.00	0.390 g	5.0	0.59
Tetrachloroethene	21,569	1.00	0.410	10.0	1.13
1,1,1,2-Tetrachloroethane	21,569	1.00	0.410 g	10.0	1.13
Chlorobenzene	21,569	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,569	1.00	0.850	25.0	1.36
p & m-Xylene	21,569	1.00	0.880	25.0	1.32
o-Xylene	21,569	1.00	0.880	25.0	1.32
1,2,3-Trichloropropane	21,569	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,569	1.00	0.830 g	25.0	1.40
1,3,5-Trimethylbenzene	21,569	1.00	0.830 g	25.0	1.40
1,2,4-Trimethylbenzene	21,569	1.00	0.830 g	25.0	1.40
1,3-Dichlorobenzene	21,569	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,569	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,569	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,569	1.00	0.390 g	10.0	1.19
Naphthalene	21,569	1.00	0.800 g	25.0	1.45
1,2,3-Trichlorobenzene	21,569	1.00	0.390 g	10.0	1.19
2-Methylnaphthalene	21,569	1.00	0.760 g	25.0	1.53
TPH C4-C9	21,569	1.00	0.590 g	5,000.0	393
TPH C10-C15	21,569	1.00	0.690 g	5,000.0	336

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-18 **Sample Name:** PSG-16

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,169	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,169	1.00	0.330	10.0	1.50
Methylene Chloride	20,169	1.00	0.350 g	10.0	1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,169	1.00	0.890 g	10.0	0.56
trans-1,2-Dichloroethene	20,169	1.00	0.440	10.0	1.13
Methyl-t-butyl ether	20,169	1.00	0.500 g	25.0	2.48
1,1-Dichloroethane	20,169	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,169	1.00	0.530	10.0	0.94
Chloroform	20,169	1.00	0.350 g	10.0	1.42
1,2-Dichloroethane	20,169	1.00	0.560	10.0	0.89
1,1,1-Trichloroethane	20,169	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,169	1.00	0.430 g	10.0	1.15
Benzene	20,169	1.00	0.530	25.0	2.34
Trichloroethene	20,169	1.00	0.330	10.0	1.50
1,4-Dioxane	20,169	1.00	0.410 g	10.0	1.21
1,1,2-Trichloroethane	20,169	1.00	0.330 g	10.0	1.50
Toluene	20,169	1.00	0.400	25.0	3.10
1,2-Dibromoethane (EDB)	20,169	1.00	0.390 g	5.0	0.64
Tetrachloroethene	20,169	1.00	0.410	10.0	1.21
1,1,1,2-Tetrachloroethane	20,169	1.00	0.410 g	10.0	1.21
Chlorobenzene	20,169	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,169	1.00	0.850	25.0	1.46
p & m-Xylene	20,169	1.00	0.880	25.0	1.41
o-Xylene	20,169	1.00	0.880	25.0	1.41
1,2,3-Trichloropropane	20,169	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,169	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20,169	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20,169	1.00	0.830 g	25.0	1.49
1,3-Dichlorobenzene	20,169	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,169	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,169	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,169	1.00	0.390 g	10.0	1.27
Naphthalene	20,169	1.00	0.800 g	25.0	1.55
1,2,3-Trichlorobenzene	20,169	1.00	0.390 g	10.0	1.27
2-Methylnaphthalene	20,169	1.00	0.760 g	25.0	1.63
TPH C4-C9	20,169	1.00	0.590 g	5,000.0	420
TPH C10-C15	20,169	1.00	0.690 g	5,000.0	359

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-19 **Sample Name:** PSG-17

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,166	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,166	1.00	0.330	10.0	1.50
Methylene Chloride	20,166	1.00	0.350 g	10.0	1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,166	1.00	0.890 g	10.0	0.56
trans-1,2-Dichloroethene	20,166	1.00	0.440	10.0	1.13
Methyl-t-butyl ether	20,166	1.00	0.500 g	25.0	2.48
1,1-Dichloroethane	20,166	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,166	1.00	0.530	10.0	0.94
Chloroform	20,166	1.00	0.350 g	10.0	1.42
1,2-Dichloroethane	20,166	1.00	0.560	10.0	0.89
1,1,1-Trichloroethane	20,166	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,166	1.00	0.430 g	10.0	1.15
Benzene	20,166	1.00	0.530	25.0	2.34
Trichloroethene	20,166	1.00	0.330	10.0	1.50
1,4-Dioxane	20,166	1.00	0.410 g	10.0	1.21
1,1,2-Trichloroethane	20,166	1.00	0.330 g	10.0	1.50
Toluene	20,166	1.00	0.400	25.0	3.10
1,2-Dibromoethane (EDB)	20,166	1.00	0.390 g	5.0	0.64
Tetrachloroethene	20,166	1.00	0.410	10.0	1.21
1,1,1,2-Tetrachloroethane	20,166	1.00	0.410 g	10.0	1.21
Chlorobenzene	20,166	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,166	1.00	0.850	25.0	1.46
p & m-Xylene	20,166	1.00	0.880	25.0	1.41
o-Xylene	20,166	1.00	0.880	25.0	1.41
1,2,3-Trichloropropane	20,166	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,166	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20,166	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20,166	1.00	0.830 g	25.0	1.49
1,3-Dichlorobenzene	20,166	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,166	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,166	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,166	1.00	0.390 g	10.0	1.27
Naphthalene	20,166	1.00	0.800 g	25.0	1.55
1,2,3-Trichlorobenzene	20,166	1.00	0.390 g	10.0	1.27
2-Methylnaphthalene	20,166	1.00	0.760 g	25.0	1.63
TPH C4-C9	20,166	1.00	0.590 g	5,000.0	420
TPH C10-C15	20,166	1.00	0.690 g	5,000.0	359

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-20 **Sample Name:** PSG-18

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,417	1.00	0.810	10.0	0.58
1,1-Dichloroethene	21,417	1.00	0.330	10.0	1.41
Methylene Chloride	21,417	1.00	0.350 g	10.0	1.33
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,417	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21,417	1.00	0.440	10.0	1.06
Methyl-t-butyl ether	21,417	1.00	0.500 g	25.0	2.33
1,1-Dichloroethane	21,417	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,417	1.00	0.530	10.0	0.88
Chloroform	21,417	1.00	0.350 g	10.0	1.33
1,2-Dichloroethane	21,417	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,417	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,417	1.00	0.430 g	10.0	1.09
Benzene	21,417	1.00	0.530	25.0	2.20
Trichloroethene	21,417	1.00	0.330	10.0	1.41
1,4-Dioxane	21,417	1.00	0.410 g	10.0	1.14
1,1,2-Trichloroethane	21,417	1.00	0.330 g	10.0	1.41
Toluene	21,417	1.00	0.400	25.0	2.92
1,2-Dibromoethane (EDB)	21,417	1.00	0.390 g	5.0	0.60
Tetrachloroethene	21,417	1.00	0.410	10.0	1.14
1,1,1,2-Tetrachloroethane	21,417	1.00	0.410 g	10.0	1.14
Chlorobenzene	21,417	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,417	1.00	0.850	25.0	1.37
p & m-Xylene	21,417	1.00	0.880	25.0	1.33
o-Xylene	21,417	1.00	0.880	25.0	1.33
1,2,3-Trichloropropane	21,417	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,417	1.00	0.830 g	25.0	1.41
1,3,5-Trimethylbenzene	21,417	1.00	0.830 g	25.0	1.41
1,2,4-Trimethylbenzene	21,417	1.00	0.830 g	25.0	1.41
1,3-Dichlorobenzene	21,417	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,417	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,417	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,417	1.00	0.390 g	10.0	1.20
Naphthalene	21,417	1.00	0.800 g	25.0	1.46
1,2,3-Trichlorobenzene	21,417	1.00	0.390 g	10.0	1.20
2-Methylnaphthalene	21,417	1.00	0.760 g	25.0	1.54
TPH C4-C9	21,417	1.00	0.590 g	5,000.0	396
TPH C10-C15	21,417	1.00	0.690 g	5,000.0	338

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Lab ID: 0007137-21 **Sample Name:** PSG-19					
Vinyl Chloride	21,414	1.00	0.810	10.0	0.58
1,1-Dichloroethene	21,414	1.00	0.330	10.0	1.42
Methylene Chloride	21,414	1.00	0.350 g	10.0	1.33
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,414	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21,414	1.00	0.440	10.0	1.06
Methyl-t-butyl ether	21,414	1.00	0.500 g	25.0	2.33
1,1-Dichloroethane	21,414	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,414	1.00	0.530	10.0	0.88
Chloroform	21,414	1.00	0.350 g	10.0	1.33
1,2-Dichloroethane	21,414	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,414	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,414	1.00	0.430 g	10.0	1.09
Benzene	21,414	1.00	0.530	25.0	2.20
Trichloroethene	21,414	1.00	0.330	10.0	1.42
1,4-Dioxane	21,414	1.00	0.410 g	10.0	1.14
1,1,2-Trichloroethane	21,414	1.00	0.330 g	10.0	1.42
Toluene	21,414	1.00	0.400	25.0	2.92
1,2-Dibromoethane (EDB)	21,414	1.00	0.390 g	5.0	0.60
Tetrachloroethene	21,414	1.00	0.410	10.0	1.14
1,1,1,2-Tetrachloroethane	21,414	1.00	0.410 g	10.0	1.14
Chlorobenzene	21,414	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,414	1.00	0.850	25.0	1.37
p & m-Xylene	21,414	1.00	0.880	25.0	1.33
o-Xylene	21,414	1.00	0.880	25.0	1.33
1,2,3-Trichloropropane	21,414	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,414	1.00	0.830 g	25.0	1.41
1,3,5-Trimethylbenzene	21,414	1.00	0.830 g	25.0	1.41
1,2,4-Trimethylbenzene	21,414	1.00	0.830 g	25.0	1.41
1,3-Dichlorobenzene	21,414	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,414	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,414	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,414	1.00	0.390 g	10.0	1.20
Naphthalene	21,414	1.00	0.800 g	25.0	1.46
1,2,3-Trichlorobenzene	21,414	1.00	0.390 g	10.0	1.20
2-Methylnaphthalene	21,414	1.00	0.760 g	25.0	1.54
TPH C4-C9	21,414	1.00	0.590 g	5,000.0	396
TPH C10-C15	21,414	1.00	0.690 g	5,000.0	338

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-22 **Sample Name:** PSG-20

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20.401	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20.401	1.00	0.330	10.0	1.49
Methylene Chloride	20.401	1.00	0.350 g	10.0	1.40
1,1,2-Trichlorotrifluoroethane (Fr.113)	20.401	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20.401	1.00	0.440	10.0	1.11
Methyl-t-butyl ether	20.401	1.00	0.500 g	25.0	2.45
1,1-Dichloroethane	20.401	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20.401	1.00	0.530	10.0	0.92
Chloroform	20.401	1.00	0.350 g	10.0	1.40
1,2-Dichloroethane	20.401	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20.401	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20.401	1.00	0.430 g	10.0	1.14
Benzene	20.401	1.00	0.530	25.0	2.31
Trichloroethene	20.401	1.00	0.330	10.0	1.49
1,4-Dioxane	20.401	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20.401	1.00	0.330 g	10.0	1.49
Toluene	20.401	1.00	0.400	25.0	3.06
1,2-Dibromoethane (EDB)	20.401	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20.401	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20.401	1.00	0.410 g	10.0	1.20
Chlorobenzene	20.401	1.00	0.850 g	10.0	0.58
Ethylbenzene	20.401	1.00	0.850	25.0	1.44
p & m-Xylene	20.401	1.00	0.880	25.0	1.39
o-Xylene	20.401	1.00	0.880	25.0	1.39
1,2,3-Trichloropropane	20.401	1.00	0.750 g	10.0	0.65
Isopropylbenzene	20.401	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20.401	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20.401	1.00	0.830 g	25.0	1.48
1,3-Dichlorobenzene	20.401	1.00	0.750 g	10.0	0.65
1,4-Dichlorobenzene	20.401	1.00	0.750 g	10.0	0.65
1,2-Dichlorobenzene	20.401	1.00	0.750 g	10.0	0.65
1,2,4-Trichlorobenzene	20.401	1.00	0.390 g	10.0	1.26
Naphthalene	20.401	1.00	0.800 g	25.0	1.53
1,2,3-Trichlorobenzene	20.401	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20.401	1.00	0.760 g	25.0	1.61
TPH C4-C9	20.401	1.00	0.590 g	5,000.0	415
TPH C10-C15	20.401	1.00	0.690 g	5,000.0	355

BEACON ENVIRONMENTAL

2203A Commerce Road, Suite 1
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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-23 **Sample Name:** PSG-20-Dup

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20.401	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20.401	1.00	0.330	10.0	1.49
Methylene Chloride	20.401	1.00	0.350 g	10.0	1.40
1,1,2-Trichlorotrifluoroethane (Fr.113)	20.401	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20.401	1.00	0.440	10.0	1.11
Methyl-t-butyl ether	20.401	1.00	0.500 g	25.0	2.45
1,1-Dichloroethane	20.401	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20.401	1.00	0.530	10.0	0.92
Chloroform	20.401	1.00	0.350 g	10.0	1.40
1,2-Dichloroethane	20.401	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20.401	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20.401	1.00	0.430 g	10.0	1.14
Benzene	20.401	1.00	0.530	25.0	2.31
Trichloroethene	20.401	1.00	0.330	10.0	1.49
1,4-Dioxane	20.401	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20.401	1.00	0.330 g	10.0	1.49
Toluene	20.401	1.00	0.400	25.0	3.06
1,2-Dibromoethane (EDB)	20.401	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20.401	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20.401	1.00	0.410 g	10.0	1.20
Chlorobenzene	20.401	1.00	0.850 g	10.0	0.58
Ethylbenzene	20.401	1.00	0.850	25.0	1.44
p & m-Xylene	20.401	1.00	0.880	25.0	1.39
o-Xylene	20.401	1.00	0.880	25.0	1.39
1,2,3-Trichloropropane	20.401	1.00	0.750 g	10.0	0.65
Isopropylbenzene	20.401	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20.401	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20.401	1.00	0.830 g	25.0	1.48
1,3-Dichlorobenzene	20.401	1.00	0.750 g	10.0	0.65
1,4-Dichlorobenzene	20.401	1.00	0.750 g	10.0	0.65
1,2-Dichlorobenzene	20.401	1.00	0.750 g	10.0	0.65
1,2,4-Trichlorobenzene	20.401	1.00	0.390 g	10.0	1.26
Naphthalene	20.401	1.00	0.800 g	25.0	1.53
1,2,3-Trichlorobenzene	20.401	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20.401	1.00	0.760 g	25.0	1.61
TPH C4-C9	20.401	1.00	0.590 g	5,000.0	415
TPH C10-C15	20.401	1.00	0.690 g	5,000.0	355

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-24 **Sample Name:** PSG-21

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20.407	1.00	0.810	10.0	0.60
1,1-Dichloroethene	20.407	1.00	0.330	10.0	1.48
Methylene Chloride	20.407	1.00	0.350 g	10.0	1.40
1,1,2-Trichlorotrifluoroethane (Fr.113)	20.407	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20.407	1.00	0.440	10.0	1.11
Methyl-t-butyl ether	20.407	1.00	0.500 g	25.0	2.45
1,1-Dichloroethane	20.407	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20.407	1.00	0.530	10.0	0.92
Chloroform	20.407	1.00	0.350 g	10.0	1.40
1,2-Dichloroethane	20.407	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20.407	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20.407	1.00	0.430 g	10.0	1.14
Benzene	20.407	1.00	0.530	25.0	2.31
Trichloroethene	20.407	1.00	0.330	10.0	1.48
1,4-Dioxane	20.407	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20.407	1.00	0.330 g	10.0	1.48
Toluene	20.407	1.00	0.400	25.0	3.06
1,2-Dibromoethane (EDB)	20.407	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20.407	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20.407	1.00	0.410 g	10.0	1.20
Chlorobenzene	20.407	1.00	0.850 g	10.0	0.58
Ethylbenzene	20.407	1.00	0.850	25.0	1.44
p & m-Xylene	20.407	1.00	0.880	25.0	1.39
o-Xylene	20.407	1.00	0.880	25.0	1.39
1,2,3-Trichloropropane	20.407	1.00	0.750 g	10.0	0.65
Isopropylbenzene	20.407	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20.407	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20.407	1.00	0.830 g	25.0	1.48
1,3-Dichlorobenzene	20.407	1.00	0.750 g	10.0	0.65
1,4-Dichlorobenzene	20.407	1.00	0.750 g	10.0	0.65
1,2-Dichlorobenzene	20.407	1.00	0.750 g	10.0	0.65
1,2,4-Trichlorobenzene	20.407	1.00	0.390 g	10.0	1.26
Naphthalene	20.407	1.00	0.800 g	25.0	1.53
1,2,3-Trichlorobenzene	20.407	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20.407	1.00	0.760 g	25.0	1.61
TPH C4-C9	20.407	1.00	0.590 g	5,000.0	415
TPH C10-C15	20.407	1.00	0.690 g	5,000.0	355

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-25 **Sample Name:** PSG-22

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,177	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,177	1.00	0.330	10.0	1.50
Methylene Chloride	20,177	1.00	0.350 g	10.0	1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,177	1.00	0.890 g	10.0	0.56
trans-1,2-Dichloroethene	20,177	1.00	0.440	10.0	1.13
Methyl-t-butyl ether	20,177	1.00	0.500 g	25.0	2.48
1,1-Dichloroethane	20,177	19.18	0.850	10.0	11.2
cis-1,2-Dichloroethene	20,177	1.00	0.530	10.0	0.94
Chloroform	20,177	1.00	0.350 g	10.0	1.42
1,2-Dichloroethane	20,177	1.00	0.560	10.0	0.89
1,1,1-Trichloroethane	20,177	19.18	1.050	10.0	9.05
Carbon Tetrachloride	20,177	1.00	0.430 g	10.0	1.15
Benzene	20,177	1.00	0.530	25.0	2.34
Trichloroethene	20,177	1.00	0.330	10.0	1.50
1,4-Dioxane	20,177	1.00	0.410 g	10.0	1.21
1,1,2-Trichloroethane	20,177	1.00	0.330 g	10.0	1.50
Toluene	20,177	1.00	0.400	25.0	3.10
1,2-Dibromoethane (EDB)	20,177	1.00	0.390 g	5.0	0.64
Tetrachloroethene	20,177	1.00	0.410	10.0	1.21
1,1,1,2-Tetrachloroethane	20,177	1.00	0.410 g	10.0	1.21
Chlorobenzene	20,177	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,177	1.00	0.850	25.0	1.46
p & m-Xylene	20,177	1.00	0.880	25.0	1.41
o-Xylene	20,177	1.00	0.880	25.0	1.41
1,2,3-Trichloropropane	20,177	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,177	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20,177	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20,177	1.00	0.830 g	25.0	1.49
1,3-Dichlorobenzene	20,177	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,177	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,177	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,177	1.00	0.390 g	10.0	1.27
Naphthalene	20,177	1.00	0.800 g	25.0	1.55
1,2,3-Trichlorobenzene	20,177	1.00	0.390 g	10.0	1.27
2-Methylnaphthalene	20,177	1.00	0.760 g	25.0	1.63
TPH C4-C9	20,177	1.00	0.590 g	5,000.0	420
TPH C10-C15	20,177	1.00	0.690 g	5,000.0	359

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-26 **Sample Name:** PSG-23

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20.177	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20.177	1.00	0.330	10.0	1.50
Methylene Chloride	20.177	1.00	0.350 g	10.0	1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	20.177	1.00	0.890 g	10.0	0.56
trans-1,2-Dichloroethene	20.177	1.00	0.440	10.0	1.13
Methyl-t-butyl ether	20.177	1.00	0.500 g	25.0	2.48
1,1-Dichloroethane	20.177	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20.177	1.00	0.530	10.0	0.94
Chloroform	20.177	1.00	0.350 g	10.0	1.42
1,2-Dichloroethane	20.177	1.00	0.560	10.0	0.89
1,1,1-Trichloroethane	20.177	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20.177	1.00	0.430 g	10.0	1.15
Benzene	20.177	1.00	0.530	25.0	2.34
Trichloroethene	20.177	1.00	0.330	10.0	1.50
1,4-Dioxane	20.177	1.00	0.410 g	10.0	1.21
1,1,2-Trichloroethane	20.177	1.00	0.330 g	10.0	1.50
Toluene	20.177	1.00	0.400	25.0	3.10
1,2-Dibromoethane (EDB)	20.177	1.00	0.390 g	5.0	0.64
Tetrachloroethene	20.177	1.00	0.410	10.0	1.21
1,1,1,2-Tetrachloroethane	20.177	1.00	0.410 g	10.0	1.21
Chlorobenzene	20.177	1.00	0.850 g	10.0	0.58
Ethylbenzene	20.177	1.00	0.850	25.0	1.46
p & m-Xylene	20.177	1.00	0.880	25.0	1.41
o-Xylene	20.177	1.00	0.880	25.0	1.41
1,2,3-Trichloropropane	20.177	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20.177	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20.177	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20.177	1.00	0.830 g	25.0	1.49
1,3-Dichlorobenzene	20.177	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20.177	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20.177	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20.177	1.00	0.390 g	10.0	1.27
Naphthalene	20.177	1.00	0.800 g	25.0	1.55
1,2,3-Trichlorobenzene	20.177	1.00	0.390 g	10.0	1.27
2-Methylnaphthalene	20.177	1.00	0.760 g	25.0	1.63
TPH C4-C9	20.177	1.00	0.590 g	5,000.0	420
TPH C10-C15	20.177	1.00	0.690 g	5,000.0	359

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-27 **Sample Name:** PSG-24

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20.173	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20.173	1.00	0.330	10.0	1.50
Methylene Chloride	20.173	1.00	0.350 g	10.0	1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	20.173	1.00	0.890 g	10.0	0.56
trans-1,2-Dichloroethene	20.173	1.00	0.440	10.0	1.13
Methyl-t-butyl ether	20.173	1.00	0.500 g	25.0	2.48
1,1-Dichloroethane	20.173	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20.173	1.00	0.530	10.0	0.94
Chloroform	20.173	1.00	0.350 g	10.0	1.42
1,2-Dichloroethane	20.173	1.00	0.560	10.0	0.89
1,1,1-Trichloroethane	20.173	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20.173	1.00	0.430 g	10.0	1.15
Benzene	20.173	1.00	0.530	25.0	2.34
Trichloroethene	20.173	1.00	0.330	10.0	1.50
1,4-Dioxane	20.173	1.00	0.410 g	10.0	1.21
1,1,2-Trichloroethane	20.173	1.00	0.330 g	10.0	1.50
Toluene	20.173	1.00	0.400	25.0	3.10
1,2-Dibromoethane (EDB)	20.173	1.00	0.390 g	5.0	0.64
Tetrachloroethene	20.173	1.00	0.410	10.0	1.21
1,1,1,2-Tetrachloroethane	20.173	1.00	0.410 g	10.0	1.21
Chlorobenzene	20.173	1.00	0.850 g	10.0	0.58
Ethylbenzene	20.173	1.00	0.850	25.0	1.46
p & m-Xylene	20.173	1.00	0.880	25.0	1.41
o-Xylene	20.173	1.00	0.880	25.0	1.41
1,2,3-Trichloropropane	20.173	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20.173	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20.173	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20.173	1.00	0.830 g	25.0	1.49
1,3-Dichlorobenzene	20.173	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20.173	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20.173	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20.173	1.00	0.390 g	10.0	1.27
Naphthalene	20.173	1.00	0.800 g	25.0	1.55
1,2,3-Trichlorobenzene	20.173	1.00	0.390 g	10.0	1.27
2-Methylnaphthalene	20.173	1.00	0.760 g	25.0	1.63
TPH C4-C9	20.173	1.00	0.590 g	5,000.0	420
TPH C10-C15	20.173	1.00	0.690 g	5,000.0	359

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-28 **Sample Name:** PSG-25

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,283	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,283	1.00	0.330	10.0	1.49
Methylene Chloride	20,283	1.00	0.350 g	10.0	1.41
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,283	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,283	1.00	0.440	10.0	1.12
Methyl-t-butyl ether	20,283	1.00	0.500 g	25.0	2.47
1,1-Dichloroethane	20,283	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,283	1.00	0.530	10.0	0.93
Chloroform	20,283	1.00	0.350 g	10.0	1.41
1,2-Dichloroethane	20,283	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,283	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,283	1.00	0.430 g	10.0	1.15
Benzene	20,283	1.00	0.530	25.0	2.33
Trichloroethene	20,283	1.00	0.330	10.0	1.49
1,4-Dioxane	20,283	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20,283	1.00	0.330 g	10.0	1.49
Toluene	20,283	1.00	0.400	25.0	3.08
1,2-Dibromoethane (EDB)	20,283	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,283	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,283	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,283	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,283	1.00	0.850	25.0	1.45
p & m-Xylene	20,283	1.00	0.880	25.0	1.40
o-Xylene	20,283	1.00	0.880	25.0	1.40
1,2,3-Trichloropropane	20,283	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,283	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20,283	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20,283	1.00	0.830 g	25.0	1.49
1,3-Dichlorobenzene	20,283	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,283	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,283	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,283	1.00	0.390 g	10.0	1.26
Naphthalene	20,283	1.00	0.800 g	25.0	1.54
1,2,3-Trichlorobenzene	20,283	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20,283	1.00	0.760 g	25.0	1.62
TPH C4-C9	20,283	1.00	0.590 g	5,000.0	418
TPH C10-C15	20,283	1.00	0.690 g	5,000.0	357

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-29 **Sample Name:** PSG-25-Dup

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,283	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,283	1.00	0.330	10.0	1.49
Methylene Chloride	20,283	1.00	0.350 g	10.0	1.41
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,283	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,283	1.00	0.440	10.0	1.12
Methyl-t-butyl ether	20,283	1.00	0.500 g	25.0	2.47
1,1-Dichloroethane	20,283	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,283	1.00	0.530	10.0	0.93
Chloroform	20,283	1.00	0.350 g	10.0	1.41
1,2-Dichloroethane	20,283	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,283	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,283	1.00	0.430 g	10.0	1.15
Benzene	20,283	1.00	0.530	25.0	2.33
Trichloroethene	20,283	1.00	0.330	10.0	1.49
1,4-Dioxane	20,283	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20,283	1.00	0.330 g	10.0	1.49
Toluene	20,283	1.00	0.400	25.0	3.08
1,2-Dibromoethane (EDB)	20,283	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,283	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,283	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,283	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,283	1.00	0.850	25.0	1.45
p & m-Xylene	20,283	1.00	0.880	25.0	1.40
o-Xylene	20,283	1.00	0.880	25.0	1.40
1,2,3-Trichloropropane	20,283	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,283	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20,283	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20,283	1.00	0.830 g	25.0	1.49
1,3-Dichlorobenzene	20,283	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,283	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,283	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,283	1.00	0.390 g	10.0	1.26
Naphthalene	20,283	1.00	0.800 g	25.0	1.54
1,2,3-Trichlorobenzene	20,283	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20,283	1.00	0.760 g	25.0	1.62
TPH C4-C9	20,283	1.00	0.590 g	5,000.0	418
TPH C10-C15	20,283	1.00	0.690 g	5,000.0	357

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-30 **Sample Name:** PSG-26

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,281	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,281	1.00	0.330	10.0	1.49
Methylene Chloride	20,281	1.00	0.350 g	10.0	1.41
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,281	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,281	1.00	0.440	10.0	1.12
Methyl-t-butyl ether	20,281	1.00	0.500 g	25.0	2.47
1,1-Dichloroethane	20,281	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,281	1.00	0.530	10.0	0.93
Chloroform	20,281	1.00	0.350 g	10.0	1.41
1,2-Dichloroethane	20,281	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,281	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,281	1.00	0.430 g	10.0	1.15
Benzene	20,281	1.00	0.530	25.0	2.33
Trichloroethene	20,281	1.00	0.330	10.0	1.49
1,4-Dioxane	20,281	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20,281	1.00	0.330 g	10.0	1.49
Toluene	20,281	1.00	0.400	25.0	3.08
1,2-Dibromoethane (EDB)	20,281	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,281	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,281	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,281	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,281	1.00	0.850	25.0	1.45
p & m-Xylene	20,281	1.00	0.880	25.0	1.40
o-Xylene	20,281	1.00	0.880	25.0	1.40
1,2,3-Trichloropropane	20,281	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,281	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20,281	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20,281	1.00	0.830 g	25.0	1.49
1,3-Dichlorobenzene	20,281	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,281	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,281	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,281	1.00	0.390 g	10.0	1.26
Naphthalene	20,281	1.00	0.800 g	25.0	1.54
1,2,3-Trichlorobenzene	20,281	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20,281	1.00	0.760 g	25.0	1.62
TPH C4-C9	20,281	1.00	0.590 g	5,000.0	418
TPH C10-C15	20,281	1.00	0.690 g	5,000.0	357

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-31 **Sample Name:** PSG-27

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,556	1.00	0.810	10.0	0.57
1,1-Dichloroethene	21,556	1.00	0.330	10.0	1.41
Methylene Chloride	21,556	1.00	0.350 g	10.0	1.33
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,556	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21,556	1.00	0.440	10.0	1.05
Methyl-t-butyl ether	21,556	1.00	0.500 g	25.0	2.32
1,1-Dichloroethane	21,556	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,556	1.00	0.530	10.0	0.88
Chloroform	21,556	1.00	0.350 g	10.0	1.33
1,2-Dichloroethane	21,556	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,556	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,556	1.00	0.430 g	10.0	1.08
Benzene	21,556	1.00	0.530	25.0	2.19
Trichloroethene	21,556	1.00	0.330	10.0	1.41
1,4-Dioxane	21,556	1.00	0.410 g	10.0	1.13
1,1,2-Trichloroethane	21,556	1.00	0.330 g	10.0	1.41
Toluene	21,556	1.00	0.400	25.0	2.90
1,2-Dibromoethane (EDB)	21,556	1.00	0.390 g	5.0	0.59
Tetrachloroethene	21,556	1.00	0.410	10.0	1.13
1,1,1,2-Tetrachloroethane	21,556	1.00	0.410 g	10.0	1.13
Chlorobenzene	21,556	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,556	1.00	0.850	25.0	1.36
p & m-Xylene	21,556	1.00	0.880	25.0	1.32
o-Xylene	21,556	1.00	0.880	25.0	1.32
1,2,3-Trichloropropane	21,556	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,556	1.00	0.830 g	25.0	1.40
1,3,5-Trimethylbenzene	21,556	1.00	0.830 g	25.0	1.40
1,2,4-Trimethylbenzene	21,556	1.00	0.830 g	25.0	1.40
1,3-Dichlorobenzene	21,556	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,556	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,556	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,556	1.00	0.390 g	10.0	1.19
Naphthalene	21,556	1.00	0.800 g	25.0	1.45
1,2,3-Trichlorobenzene	21,556	1.00	0.390 g	10.0	1.19
2-Methylnaphthalene	21,556	1.00	0.760 g	25.0	1.53
TPH C4-C9	21,556	1.00	0.590 g	5,000.0	393
TPH C10-C15	21,556	1.00	0.690 g	5,000.0	336

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-32 **Sample Name:** PSG-28

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,323	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,323	1.00	0.330	10.0	1.49
Methylene Chloride	20,323	1.00	0.350 g	10.0	1.41
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,323	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,323	1.00	0.440	10.0	1.12
Methyl-t-butyl ether	20,323	1.00	0.500 g	25.0	2.46
1,1-Dichloroethane	20,323	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,323	1.00	0.530	10.0	0.93
Chloroform	20,323	1.00	0.350 g	10.0	1.41
1,2-Dichloroethane	20,323	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,323	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,323	1.00	0.430 g	10.0	1.14
Benzene	20,323	1.00	0.530	25.0	2.32
Trichloroethene	20,323	1.00	0.330	10.0	1.49
1,4-Dioxane	20,323	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20,323	1.00	0.330 g	10.0	1.49
Toluene	20,323	1.00	0.400	25.0	3.08
1,2-Dibromoethane (EDB)	20,323	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,323	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,323	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,323	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,323	1.00	0.850	25.0	1.45
p & m-Xylene	20,323	1.00	0.880	25.0	1.40
o-Xylene	20,323	1.00	0.880	25.0	1.40
1,2,3-Trichloropropane	20,323	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,323	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20,323	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20,323	1.00	0.830 g	25.0	1.48
1,3-Dichlorobenzene	20,323	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,323	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,323	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,323	1.00	0.390 g	10.0	1.26
Naphthalene	20,323	1.00	0.800 g	25.0	1.54
1,2,3-Trichlorobenzene	20,323	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20,323	1.00	0.760 g	25.0	1.62
TPH C4-C9	20,323	1.00	0.590 g	5,000.0	417
TPH C10-C15	20,323	1.00	0.690 g	5,000.0	357

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-33 **Sample Name:** PSG-29

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,312	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,312	1.00	0.330	10.0	1.49
Methylene Chloride	20,312	1.00	0.350 g	10.0	1.41
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,312	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,312	1.00	0.440	10.0	1.12
Methyl-t-butyl ether	20,312	1.00	0.500 g	25.0	2.46
1,1-Dichloroethane	20,312	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,312	1.00	0.530	10.0	0.93
Chloroform	20,312	1.00	0.350 g	10.0	1.41
1,2-Dichloroethane	20,312	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,312	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,312	1.00	0.430 g	10.0	1.14
Benzene	20,312	1.00	0.530	25.0	2.32
Trichloroethene	20,312	1.00	0.330	10.0	1.49
1,4-Dioxane	20,312	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20,312	1.00	0.330 g	10.0	1.49
Toluene	20,312	1.00	0.400	25.0	3.08
1,2-Dibromoethane (EDB)	20,312	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,312	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,312	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,312	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,312	1.00	0.850	25.0	1.45
p & m-Xylene	20,312	1.00	0.880	25.0	1.40
o-Xylene	20,312	1.00	0.880	25.0	1.40
1,2,3-Trichloropropane	20,312	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,312	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20,312	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20,312	19.18	0.830 g	25.0	28.4
1,3-Dichlorobenzene	20,312	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,312	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,312	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,312	1.00	0.390 g	10.0	1.26
Naphthalene	20,312	1.00	0.800 g	25.0	1.54
1,2,3-Trichlorobenzene	20,312	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20,312	1.00	0.760 g	25.0	1.62
TPH C4-C9	20,312	1.00	0.590 g	5,000.0	417
TPH C10-C15	20,312	1.00	0.690 g	5,000.0	357

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-34 **Sample Name:** PSG-30

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,881	1.00	0.810	10.0	0.56
1,1-Dichloroethene	21,881	1.00	0.330	10.0	1.38
Methylene Chloride	21,881	1.00	0.350 g	10.0	1.31
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,881	1.00	0.890 g	10.0	0.51
trans-1,2-Dichloroethene	21,881	1.00	0.440	10.0	1.04
Methyl-t-butyl ether	21,881	1.00	0.500 g	25.0	2.29
1,1-Dichloroethane	21,881	1.00	0.850	10.0	0.54
cis-1,2-Dichloroethene	21,881	1.00	0.530	10.0	0.86
Chloroform	21,881	1.00	0.350 g	10.0	1.31
1,2-Dichloroethane	21,881	1.00	0.560	10.0	0.82
1,1,1-Trichloroethane	21,881	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,881	1.00	0.430 g	10.0	1.06
Benzene	21,881	1.00	0.530	25.0	2.16
Trichloroethene	21,881	1.00	0.330	10.0	1.38
1,4-Dioxane	21,881	1.00	0.410 g	10.0	1.11
1,1,2-Trichloroethane	21,881	1.00	0.330 g	10.0	1.38
Toluene	21,881	1.00	0.400	25.0	2.86
1,2-Dibromoethane (EDB)	21,881	1.00	0.390 g	5.0	0.59
Tetrachloroethene	21,881	1.00	0.410	10.0	1.11
1,1,1,2-Tetrachloroethane	21,881	1.00	0.410 g	10.0	1.11
Chlorobenzene	21,881	1.00	0.850 g	10.0	0.54
Ethylbenzene	21,881	1.00	0.850	25.0	1.34
p & m-Xylene	21,881	1.00	0.880	25.0	1.30
o-Xylene	21,881	1.00	0.880	25.0	1.30
1,2,3-Trichloropropane	21,881	1.00	0.750 g	10.0	0.61
Isopropylbenzene	21,881	1.00	0.830 g	25.0	1.38
1,3,5-Trimethylbenzene	21,881	1.00	0.830 g	25.0	1.38
1,2,4-Trimethylbenzene	21,881	1.00	0.830 g	25.0	1.38
1,3-Dichlorobenzene	21,881	1.00	0.750 g	10.0	0.61
1,4-Dichlorobenzene	21,881	1.00	0.750 g	10.0	0.61
1,2-Dichlorobenzene	21,881	1.00	0.750 g	10.0	0.61
1,2,4-Trichlorobenzene	21,881	1.00	0.390 g	10.0	1.17
Naphthalene	21,881	1.00	0.800 g	25.0	1.43
1,2,3-Trichlorobenzene	21,881	1.00	0.390 g	10.0	1.17
2-Methylnaphthalene	21,881	1.00	0.760 g	25.0	1.50
TPH C4-C9	21,881	1.00	0.590 g	5,000.0	387
TPH C10-C15	21,881	1.00	0.690 g	5,000.0	331

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-35 **Sample Name:** PSG-31

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,380	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,380	1.00	0.330	10.0	1.49
Methylene Chloride	20,380	1.00	0.350 g	10.0	1.40
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,380	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,380	1.00	0.440	10.0	1.12
Methyl-t-butyl ether	20,380	1.00	0.500 g	25.0	2.45
1,1-Dichloroethane	20,380	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,380	1.00	0.530	10.0	0.93
Chloroform	20,380	1.00	0.350 g	10.0	1.40
1,2-Dichloroethane	20,380	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,380	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,380	1.00	0.430 g	10.0	1.14
Benzene	20,380	1.00	0.530	25.0	2.31
Trichloroethene	20,380	1.00	0.330	10.0	1.49
1,4-Dioxane	20,380	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20,380	1.00	0.330 g	10.0	1.49
Toluene	20,380	1.00	0.400	25.0	3.07
1,2-Dibromoethane (EDB)	20,380	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,380	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,380	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,380	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,380	1.00	0.850	25.0	1.44
p & m-Xylene	20,380	1.00	0.880	25.0	1.39
o-Xylene	20,380	1.00	0.880	25.0	1.39
1,2,3-Trichloropropane	20,380	1.00	0.750 g	10.0	0.65
Isopropylbenzene	20,380	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20,380	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20,380	1.00	0.830 g	25.0	1.48
1,3-Dichlorobenzene	20,380	1.00	0.750 g	10.0	0.65
1,4-Dichlorobenzene	20,380	1.00	0.750 g	10.0	0.65
1,2-Dichlorobenzene	20,380	1.00	0.750 g	10.0	0.65
1,2,4-Trichlorobenzene	20,380	1.00	0.390 g	10.0	1.26
Naphthalene	20,380	1.00	0.800 g	25.0	1.53
1,2,3-Trichlorobenzene	20,380	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20,380	1.00	0.760 g	25.0	1.61
TPH C4-C9	20,380	1.00	0.590 g	5,000.0	416
TPH C10-C15	20,380	1.00	0.690 g	5,000.0	356

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-36 **Sample Name:** PSG-32

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,395	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,395	1.00	0.330	10.0	1.49
Methylene Chloride	20,395	1.00	0.350 g	10.0	1.40
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,395	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,395	1.00	0.440	10.0	1.11
Methyl-t-butyl ether	20,395	1.00	0.500 g	25.0	2.45
1,1-Dichloroethane	20,395	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,395	1.00	0.530	10.0	0.93
Chloroform	20,395	1.00	0.350 g	10.0	1.40
1,2-Dichloroethane	20,395	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,395	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,395	1.00	0.430 g	10.0	1.14
Benzene	20,395	1.00	0.530	25.0	2.31
Trichloroethene	20,395	1.00	0.330	10.0	1.49
1,4-Dioxane	20,395	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20,395	1.00	0.330 g	10.0	1.49
Toluene	20,395	1.00	0.400	25.0	3.06
1,2-Dibromoethane (EDB)	20,395	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,395	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,395	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,395	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,395	1.00	0.850	25.0	1.44
p & m-Xylene	20,395	1.00	0.880	25.0	1.39
o-Xylene	20,395	1.00	0.880	25.0	1.39
1,2,3-Trichloropropane	20,395	1.00	0.750 g	10.0	0.65
Isopropylbenzene	20,395	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20,395	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20,395	1.00	0.830 g	25.0	1.48
1,3-Dichlorobenzene	20,395	1.00	0.750 g	10.0	0.65
1,4-Dichlorobenzene	20,395	1.00	0.750 g	10.0	0.65
1,2-Dichlorobenzene	20,395	1.00	0.750 g	10.0	0.65
1,2,4-Trichlorobenzene	20,395	1.00	0.390 g	10.0	1.26
Naphthalene	20,395	1.00	0.800 g	25.0	1.53
1,2,3-Trichlorobenzene	20,395	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20,395	1.00	0.760 g	25.0	1.61
TPH C4-C9	20,395	1.00	0.590 g	5,000.0	416
TPH C10-C15	20,395	1.00	0.690 g	5,000.0	355

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-37 **Sample Name:** PSG-33

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,387	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,387	1.00	0.330	10.0	1.49
Methylene Chloride	20,387	1.00	0.350 g	10.0	1.40
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,387	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,387	1.00	0.440	10.0	1.11
Methyl-t-butyl ether	20,387	1.00	0.500 g	25.0	2.45
1,1-Dichloroethane	20,387	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,387	1.00	0.530	10.0	0.93
Chloroform	20,387	1.00	0.350 g	10.0	1.40
1,2-Dichloroethane	20,387	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,387	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,387	1.00	0.430 g	10.0	1.14
Benzene	20,387	1.00	0.530	25.0	2.31
Trichloroethene	20,387	1.00	0.330	10.0	1.49
1,4-Dioxane	20,387	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20,387	1.00	0.330 g	10.0	1.49
Toluene	20,387	1.00	0.400	25.0	3.07
1,2-Dibromoethane (EDB)	20,387	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,387	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,387	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,387	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,387	1.00	0.850	25.0	1.44
p & m-Xylene	20,387	1.00	0.880	25.0	1.39
o-Xylene	20,387	1.00	0.880	25.0	1.39
1,2,3-Trichloropropane	20,387	1.00	0.750 g	10.0	0.65
Isopropylbenzene	20,387	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20,387	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20,387	1.00	0.830 g	25.0	1.48
1,3-Dichlorobenzene	20,387	1.00	0.750 g	10.0	0.65
1,4-Dichlorobenzene	20,387	1.00	0.750 g	10.0	0.65
1,2-Dichlorobenzene	20,387	1.00	0.750 g	10.0	0.65
1,2,4-Trichlorobenzene	20,387	1.00	0.390 g	10.0	1.26
Naphthalene	20,387	1.00	0.800 g	25.0	1.53
1,2,3-Trichlorobenzene	20,387	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20,387	1.00	0.760 g	25.0	1.61
TPH C4-C9	20,387	1.00	0.590 g	5,000.0	416
TPH C10-C15	20,387	1.00	0.690 g	5,000.0	355

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-38 **Sample Name:** PSG-34

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,187	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,187	1.00	0.330	10.0	1.50
Methylene Chloride	20,187	1.00	0.350 g	10.0	1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,187	1.00	0.890 g	10.0	0.56
trans-1,2-Dichloroethene	20,187	1.00	0.440	10.0	1.13
Methyl-t-butyl ether	20,187	1.00	0.500 g	25.0	2.48
1,1-Dichloroethane	20,187	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,187	1.00	0.530	10.0	0.93
Chloroform	20,187	1.00	0.350 g	10.0	1.42
1,2-Dichloroethane	20,187	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,187	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,187	1.00	0.430 g	10.0	1.15
Benzene	20,187	1.00	0.530	25.0	2.34
Trichloroethene	20,187	1.00	0.330	10.0	1.50
1,4-Dioxane	20,187	1.00	0.410 g	10.0	1.21
1,1,2-Trichloroethane	20,187	1.00	0.330 g	10.0	1.50
Toluene	20,187	1.00	0.400	25.0	3.10
1,2-Dibromoethane (EDB)	20,187	1.00	0.390 g	5.0	0.64
Tetrachloroethene	20,187	1.00	0.410	10.0	1.21
1,1,1,2-Tetrachloroethane	20,187	1.00	0.410 g	10.0	1.21
Chlorobenzene	20,187	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,187	1.00	0.850	25.0	1.46
p & m-Xylene	20,187	1.00	0.880	25.0	1.41
o-Xylene	20,187	1.00	0.880	25.0	1.41
1,2,3-Trichloropropane	20,187	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,187	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20,187	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20,187	1.00	0.830 g	25.0	1.49
1,3-Dichlorobenzene	20,187	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,187	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,187	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,187	1.00	0.390 g	10.0	1.27
Naphthalene	20,187	1.00	0.800 g	25.0	1.55
1,2,3-Trichlorobenzene	20,187	1.00	0.390 g	10.0	1.27
2-Methylnaphthalene	20,187	1.00	0.760 g	25.0	1.63
TPH C4-C9	20,187	1.00	0.590 g	5,000.0	420
TPH C10-C15	20,187	1.00	0.690 g	5,000.0	359

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-39 **Sample Name:** PSG-35

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,192	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,192	1.00	0.330	10.0	1.50
Methylene Chloride	20,192	1.00	0.350 g	10.0	1.41
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,192	1.00	0.890 g	10.0	0.56
trans-1,2-Dichloroethene	20,192	1.00	0.440	10.0	1.13
Methyl-t-butyl ether	20,192	1.00	0.500 g	25.0	2.48
1,1-Dichloroethane	20,192	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,192	1.00	0.530	10.0	0.93
Chloroform	20,192	1.00	0.350 g	10.0	1.41
1,2-Dichloroethane	20,192	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,192	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,192	1.00	0.430 g	10.0	1.15
Benzene	20,192	1.00	0.530	25.0	2.34
Trichloroethene	20,192	1.00	0.330	10.0	1.50
1,4-Dioxane	20,192	1.00	0.410 g	10.0	1.21
1,1,2-Trichloroethane	20,192	1.00	0.330 g	10.0	1.50
Toluene	20,192	1.00	0.400	25.0	3.10
1,2-Dibromoethane (EDB)	20,192	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,192	1.00	0.410	10.0	1.21
1,1,1,2-Tetrachloroethane	20,192	1.00	0.410 g	10.0	1.21
Chlorobenzene	20,192	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,192	1.00	0.850	25.0	1.46
p & m-Xylene	20,192	1.00	0.880	25.0	1.41
o-Xylene	20,192	1.00	0.880	25.0	1.41
1,2,3-Trichloropropane	20,192	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,192	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20,192	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20,192	1.00	0.830 g	25.0	1.49
1,3-Dichlorobenzene	20,192	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,192	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,192	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,192	1.00	0.390 g	10.0	1.27
Naphthalene	20,192	1.00	0.800 g	25.0	1.55
1,2,3-Trichlorobenzene	20,192	1.00	0.390 g	10.0	1.27
2-Methylnaphthalene	20,192	1.00	0.760 g	25.0	1.63
TPH C4-C9	20,192	1.00	0.590 g	5,000.0	420
TPH C10-C15	20,192	1.00	0.690 g	5,000.0	359

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-40 **Sample Name:** PSG-35-Dup

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,192	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,192	1.00	0.330	10.0	1.50
Methylene Chloride	20,192	1.00	0.350 g	10.0	1.41
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,192	1.00	0.890 g	10.0	0.56
trans-1,2-Dichloroethene	20,192	1.00	0.440	10.0	1.13
Methyl-t-butyl ether	20,192	1.00	0.500 g	25.0	2.48
1,1-Dichloroethane	20,192	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,192	1.00	0.530	10.0	0.93
Chloroform	20,192	1.00	0.350 g	10.0	1.41
1,2-Dichloroethane	20,192	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,192	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,192	1.00	0.430 g	10.0	1.15
Benzene	20,192	1.00	0.530	25.0	2.34
Trichloroethene	20,192	1.00	0.330	10.0	1.50
1,4-Dioxane	20,192	1.00	0.410 g	10.0	1.21
1,1,2-Trichloroethane	20,192	1.00	0.330 g	10.0	1.50
Toluene	20,192	1.00	0.400	25.0	3.10
1,2-Dibromoethane (EDB)	20,192	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,192	1.00	0.410	10.0	1.21
1,1,1,2-Tetrachloroethane	20,192	1.00	0.410 g	10.0	1.21
Chlorobenzene	20,192	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,192	1.00	0.850	25.0	1.46
p & m-Xylene	20,192	1.00	0.880	25.0	1.41
o-Xylene	20,192	1.00	0.880	25.0	1.41
1,2,3-Trichloropropane	20,192	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,192	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20,192	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20,192	1.00	0.830 g	25.0	1.49
1,3-Dichlorobenzene	20,192	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,192	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,192	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,192	1.00	0.390 g	10.0	1.27
Naphthalene	20,192	1.00	0.800 g	25.0	1.55
1,2,3-Trichlorobenzene	20,192	1.00	0.390 g	10.0	1.27
2-Methylnaphthalene	20,192	1.00	0.760 g	25.0	1.63
TPH C4-C9	20,192	1.00	0.590 g	5,000.0	420
TPH C10-C15	20,192	1.00	0.690 g	5,000.0	359

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-41 **Sample Name:** PSG-36

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,170	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,170	1.00	0.330	10.0	1.50
Methylene Chloride	20,170	1.00	0.350 g	10.0	1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,170	1.00	0.890 g	10.0	0.56
trans-1,2-Dichloroethene	20,170	1.00	0.440	10.0	1.13
Methyl-t-butyl ether	20,170	1.00	0.500 g	25.0	2.48
1,1-Dichloroethane	20,170	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,170	1.00	0.530	10.0	0.94
Chloroform	20,170	1.00	0.350 g	10.0	1.42
1,2-Dichloroethane	20,170	1.00	0.560	10.0	0.89
1,1,1-Trichloroethane	20,170	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,170	1.00	0.430 g	10.0	1.15
Benzene	20,170	1.00	0.530	25.0	2.34
Trichloroethene	20,170	1.00	0.330	10.0	1.50
1,4-Dioxane	20,170	1.00	0.410 g	10.0	1.21
1,1,2-Trichloroethane	20,170	1.00	0.330 g	10.0	1.50
Toluene	20,170	1.00	0.400	25.0	3.10
1,2-Dibromoethane (EDB)	20,170	1.00	0.390 g	5.0	0.64
Tetrachloroethene	20,170	1.00	0.410	10.0	1.21
1,1,1,2-Tetrachloroethane	20,170	1.00	0.410 g	10.0	1.21
Chlorobenzene	20,170	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,170	1.00	0.850	25.0	1.46
p & m-Xylene	20,170	1.00	0.880	25.0	1.41
o-Xylene	20,170	1.00	0.880	25.0	1.41
1,2,3-Trichloropropane	20,170	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,170	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20,170	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20,170	1.00	0.830 g	25.0	1.49
1,3-Dichlorobenzene	20,170	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,170	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,170	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,170	1.00	0.390 g	10.0	1.27
Naphthalene	20,170	1.00	0.800 g	25.0	1.55
1,2,3-Trichlorobenzene	20,170	1.00	0.390 g	10.0	1.27
2-Methylnaphthalene	20,170	1.00	0.760 g	25.0	1.63
TPH C4-C9	20,170	1.00	0.590 g	5,000.0	420
TPH C10-C15	20,170	1.00	0.690 g	5,000.0	359

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-42 **Sample Name:** PSG-37

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,243	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,243	1.00	0.330	10.0	1.50
Methylene Chloride	20,243	1.00	0.350 g	10.0	1.41
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,243	1.00	0.890 g	10.0	0.56
trans-1,2-Dichloroethene	20,243	1.00	0.440	10.0	1.12
Methyl-t-butyl ether	20,243	1.00	0.500 g	25.0	2.47
1,1-Dichloroethane	20,243	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,243	1.00	0.530	10.0	0.93
Chloroform	20,243	1.00	0.350 g	10.0	1.41
1,2-Dichloroethane	20,243	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,243	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,243	1.00	0.430 g	10.0	1.15
Benzene	20,243	1.00	0.530	25.0	2.33
Trichloroethene	20,243	1.00	0.330	10.0	1.50
1,4-Dioxane	20,243	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20,243	1.00	0.330 g	10.0	1.50
Toluene	20,243	1.00	0.400	25.0	3.09
1,2-Dibromoethane (EDB)	20,243	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,243	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,243	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,243	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,243	1.00	0.850	25.0	1.45
p & m-Xylene	20,243	1.00	0.880	25.0	1.40
o-Xylene	20,243	1.00	0.880	25.0	1.40
1,2,3-Trichloropropane	20,243	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,243	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20,243	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20,243	1.00	0.830 g	25.0	1.49
1,3-Dichlorobenzene	20,243	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,243	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,243	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,243	1.00	0.390 g	10.0	1.27
Naphthalene	20,243	1.00	0.800 g	25.0	1.54
1,2,3-Trichlorobenzene	20,243	1.00	0.390 g	10.0	1.27
2-Methylnaphthalene	20,243	1.00	0.760 g	25.0	1.62
TPH C4-C9	20,243	1.00	0.590 g	5,000.0	419
TPH C10-C15	20,243	1.00	0.690 g	5,000.0	358

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-43 **Sample Name:** PSG-38

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,323	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,323	1.00	0.330	10.0	1.49
Methylene Chloride	20,323	1.00	0.350 g	10.0	1.41
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,323	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,323	1.00	0.440	10.0	1.12
Methyl-t-butyl ether	20,323	1.00	0.500 g	25.0	2.46
1,1-Dichloroethane	20,323	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,323	1.00	0.530	10.0	0.93
Chloroform	20,323	1.00	0.350 g	10.0	1.41
1,2-Dichloroethane	20,323	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,323	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,323	1.00	0.430 g	10.0	1.14
Benzene	20,323	1.00	0.530	25.0	2.32
Trichloroethene	20,323	1.00	0.330	10.0	1.49
1,4-Dioxane	20,323	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20,323	1.00	0.330 g	10.0	1.49
Toluene	20,323	1.00	0.400	25.0	3.08
1,2-Dibromoethane (EDB)	20,323	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,323	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,323	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,323	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,323	1.00	0.850	25.0	1.45
p & m-Xylene	20,323	1.00	0.880	25.0	1.40
o-Xylene	20,323	1.00	0.880	25.0	1.40
1,2,3-Trichloropropane	20,323	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,323	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20,323	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20,323	1.00	0.830 g	25.0	1.48
1,3-Dichlorobenzene	20,323	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,323	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,323	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,323	1.00	0.390 g	10.0	1.26
Naphthalene	20,323	1.00	0.800 g	25.0	1.54
1,2,3-Trichlorobenzene	20,323	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20,323	1.00	0.760 g	25.0	1.62
TPH C4-C9	20,323	1.00	0.590 g	5,000.0	417
TPH C10-C15	20,323	1.00	0.690 g	5,000.0	357

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-44 **Sample Name:** PSG-39

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,541	1.00	0.810	10.0	0.57
1,1-Dichloroethene	21,541	1.00	0.330	10.0	1.41
Methylene Chloride	21,541	1.00	0.350 g	10.0	1.33
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,541	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21,541	1.00	0.440	10.0	1.06
Methyl-t-butyl ether	21,541	1.00	0.500 g	25.0	2.32
1,1-Dichloroethane	21,541	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,541	1.00	0.530	10.0	0.88
Chloroform	21,541	1.00	0.350 g	10.0	1.33
1,2-Dichloroethane	21,541	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,541	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,541	1.00	0.430 g	10.0	1.08
Benzene	21,541	1.00	0.530	25.0	2.19
Trichloroethene	21,541	1.00	0.330	10.0	1.41
1,4-Dioxane	21,541	1.00	0.410 g	10.0	1.13
1,1,2-Trichloroethane	21,541	1.00	0.330 g	10.0	1.41
Toluene	21,541	1.00	0.400	25.0	2.90
1,2-Dibromoethane (EDB)	21,541	1.00	0.390 g	5.0	0.60
Tetrachloroethene	21,541	1.00	0.410	10.0	1.13
1,1,1,2-Tetrachloroethane	21,541	1.00	0.410 g	10.0	1.13
Chlorobenzene	21,541	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,541	1.00	0.850	25.0	1.37
p & m-Xylene	21,541	1.00	0.880	25.0	1.32
o-Xylene	21,541	1.00	0.880	25.0	1.32
1,2,3-Trichloropropane	21,541	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,541	1.00	0.830 g	25.0	1.40
1,3,5-Trimethylbenzene	21,541	1.00	0.830 g	25.0	1.40
1,2,4-Trimethylbenzene	21,541	1.00	0.830 g	25.0	1.40
1,3-Dichlorobenzene	21,541	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,541	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,541	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,541	1.00	0.390 g	10.0	1.19
Naphthalene	21,541	1.00	0.800 g	25.0	1.45
1,2,3-Trichlorobenzene	21,541	1.00	0.390 g	10.0	1.19
2-Methylnaphthalene	21,541	1.00	0.760 g	25.0	1.53
TPH C4-C9	21,541	1.00	0.590 g	5,000.0	393
TPH C10-C15	21,541	1.00	0.690 g	5,000.0	336

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-45 **Sample Name:** PSG-40

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,164	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,164	1.00	0.330	10.0	1.50
Methylene Chloride	20,164	1.00	0.350 g	10.0	1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,164	1.00	0.890 g	10.0	0.56
trans-1,2-Dichloroethene	20,164	1.00	0.440	10.0	1.13
Methyl-t-butyl ether	20,164	1.00	0.500 g	25.0	2.48
1,1-Dichloroethane	20,164	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,164	1.00	0.530	10.0	0.94
Chloroform	20,164	1.00	0.350 g	10.0	1.42
1,2-Dichloroethane	20,164	1.00	0.560	10.0	0.89
1,1,1-Trichloroethane	20,164	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,164	1.00	0.430 g	10.0	1.15
Benzene	20,164	1.00	0.530	25.0	2.34
Trichloroethene	20,164	1.00	0.330	10.0	1.50
1,4-Dioxane	20,164	1.00	0.410 g	10.0	1.21
1,1,2-Trichloroethane	20,164	1.00	0.330 g	10.0	1.50
Toluene	20,164	1.00	0.400	25.0	3.10
1,2-Dibromoethane (EDB)	20,164	1.00	0.390 g	5.0	0.64
Tetrachloroethene	20,164	1.00	0.410	10.0	1.21
1,1,1,2-Tetrachloroethane	20,164	1.00	0.410 g	10.0	1.21
Chlorobenzene	20,164	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,164	1.00	0.850	25.0	1.46
p & m-Xylene	20,164	1.00	0.880	25.0	1.41
o-Xylene	20,164	1.00	0.880	25.0	1.41
1,2,3-Trichloropropane	20,164	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,164	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20,164	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20,164	1.00	0.830 g	25.0	1.49
1,3-Dichlorobenzene	20,164	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,164	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,164	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,164	1.00	0.390 g	10.0	1.27
Naphthalene	20,164	1.00	0.800 g	25.0	1.55
1,2,3-Trichlorobenzene	20,164	1.00	0.390 g	10.0	1.27
2-Methylnaphthalene	20,164	1.00	0.760 g	25.0	1.63
TPH C4-C9	20,164	1.00	0.590 g	5,000.0	420
TPH C10-C15	20,164	1.00	0.690 g	5,000.0	359

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-46 **Sample Name:** PSG-41

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20.167	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20.167	1.00	0.330	10.0	1.50
Methylene Chloride	20.167	1.00	0.350 g	10.0	1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	20.167	1.00	0.890 g	10.0	0.56
trans-1,2-Dichloroethene	20.167	1.00	0.440	10.0	1.13
Methyl-t-butyl ether	20.167	1.00	0.500 g	25.0	2.48
1,1-Dichloroethane	20.167	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20.167	1.00	0.530	10.0	0.94
Chloroform	20.167	1.00	0.350 g	10.0	1.42
1,2-Dichloroethane	20.167	1.00	0.560	10.0	0.89
1,1,1-Trichloroethane	20.167	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20.167	1.00	0.430 g	10.0	1.15
Benzene	20.167	1.00	0.530	25.0	2.34
Trichloroethene	20.167	1.00	0.330	10.0	1.50
1,4-Dioxane	20.167	1.00	0.410 g	10.0	1.21
1,1,2-Trichloroethane	20.167	1.00	0.330 g	10.0	1.50
Toluene	20.167	1.00	0.400	25.0	3.10
1,2-Dibromoethane (EDB)	20.167	1.00	0.390 g	5.0	0.64
Tetrachloroethene	20.167	1.00	0.410	10.0	1.21
1,1,1,2-Tetrachloroethane	20.167	1.00	0.410 g	10.0	1.21
Chlorobenzene	20.167	1.00	0.850 g	10.0	0.58
Ethylbenzene	20.167	1.00	0.850	25.0	1.46
p & m-Xylene	20.167	1.00	0.880	25.0	1.41
o-Xylene	20.167	1.00	0.880	25.0	1.41
1,2,3-Trichloropropane	20.167	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20.167	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20.167	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20.167	1.00	0.830 g	25.0	1.49
1,3-Dichlorobenzene	20.167	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20.167	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20.167	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20.167	1.00	0.390 g	10.0	1.27
Naphthalene	20.167	1.00	0.800 g	25.0	1.55
1,2,3-Trichlorobenzene	20.167	1.00	0.390 g	10.0	1.27
2-Methylnaphthalene	20.167	1.00	0.760 g	25.0	1.63
TPH C4-C9	20.167	1.00	0.590 g	5,000.0	420
TPH C10-C15	20.167	1.00	0.690 g	5,000.0	359

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-47 **Sample Name:** PSG-42

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,167	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,167	1.00	0.330	10.0	1.50
Methylene Chloride	20,167	1.00	0.350 g	10.0	1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,167	1.00	0.890 g	10.0	0.56
trans-1,2-Dichloroethene	20,167	1.00	0.440	10.0	1.13
Methyl-t-butyl ether	20,167	1.00	0.500 g	25.0	2.48
1,1-Dichloroethane	20,167	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,167	1.00	0.530	10.0	0.94
Chloroform	20,167	1.00	0.350 g	10.0	1.42
1,2-Dichloroethane	20,167	1.00	0.560	10.0	0.89
1,1,1-Trichloroethane	20,167	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,167	1.00	0.430 g	10.0	1.15
Benzene	20,167	1.00	0.530	25.0	2.34
Trichloroethene	20,167	1.00	0.330	10.0	1.50
1,4-Dioxane	20,167	1.00	0.410 g	10.0	1.21
1,1,2-Trichloroethane	20,167	1.00	0.330 g	10.0	1.50
Toluene	20,167	1.00	0.400	25.0	3.10
1,2-Dibromoethane (EDB)	20,167	1.00	0.390 g	5.0	0.64
Tetrachloroethene	20,167	1.00	0.410	10.0	1.21
1,1,1,2-Tetrachloroethane	20,167	1.00	0.410 g	10.0	1.21
Chlorobenzene	20,167	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,167	1.00	0.850	25.0	1.46
p & m-Xylene	20,167	1.00	0.880	25.0	1.41
o-Xylene	20,167	1.00	0.880	25.0	1.41
1,2,3-Trichloropropane	20,167	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,167	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20,167	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20,167	1.00	0.830 g	25.0	1.49
1,3-Dichlorobenzene	20,167	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,167	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,167	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,167	1.00	0.390 g	10.0	1.27
Naphthalene	20,167	1.00	0.800 g	25.0	1.55
1,2,3-Trichlorobenzene	20,167	1.00	0.390 g	10.0	1.27
2-Methylnaphthalene	20,167	1.00	0.760 g	25.0	1.63
TPH C4-C9	20,167	1.00	0.590 g	5,000.0	420
TPH C10-C15	20,167	1.00	0.690 g	5,000.0	359

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-48 **Sample Name:** PSG-43

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,165	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,165	1.00	0.330	10.0	1.50
Methylene Chloride	20,165	1.00	0.350 g	10.0	1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,165	1.00	0.890 g	10.0	0.56
trans-1,2-Dichloroethene	20,165	1.00	0.440	10.0	1.13
Methyl-t-butyl ether	20,165	1.00	0.500 g	25.0	2.48
1,1-Dichloroethane	20,165	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,165	1.00	0.530	10.0	0.94
Chloroform	20,165	1.00	0.350 g	10.0	1.42
1,2-Dichloroethane	20,165	1.00	0.560	10.0	0.89
1,1,1-Trichloroethane	20,165	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,165	1.00	0.430 g	10.0	1.15
Benzene	20,165	1.00	0.530	25.0	2.34
Trichloroethene	20,165	1.00	0.330	10.0	1.50
1,4-Dioxane	20,165	1.00	0.410 g	10.0	1.21
1,1,2-Trichloroethane	20,165	1.00	0.330 g	10.0	1.50
Toluene	20,165	1.00	0.400	25.0	3.10
1,2-Dibromoethane (EDB)	20,165	1.00	0.390 g	5.0	0.64
Tetrachloroethene	20,165	1.00	0.410	10.0	1.21
1,1,1,2-Tetrachloroethane	20,165	1.00	0.410 g	10.0	1.21
Chlorobenzene	20,165	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,165	1.00	0.850	25.0	1.46
p & m-Xylene	20,165	1.00	0.880	25.0	1.41
o-Xylene	20,165	1.00	0.880	25.0	1.41
1,2,3-Trichloropropane	20,165	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,165	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20,165	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20,165	1.00	0.830 g	25.0	1.49
1,3-Dichlorobenzene	20,165	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,165	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,165	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,165	1.00	0.390 g	10.0	1.27
Naphthalene	20,165	1.00	0.800 g	25.0	1.55
1,2,3-Trichlorobenzene	20,165	1.00	0.390 g	10.0	1.27
2-Methylnaphthalene	20,165	1.00	0.760 g	25.0	1.63
TPH C4-C9	20,165	1.00	0.590 g	5,000.0	420
TPH C10-C15	20,165	1.00	0.690 g	5,000.0	359

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-49 **Sample Name:** PSG-43-Dup

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20.165	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20.165	1.00	0.330	10.0	1.50
Methylene Chloride	20.165	1.00	0.350 g	10.0	1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	20.165	1.00	0.890 g	10.0	0.56
trans-1,2-Dichloroethene	20.165	1.00	0.440	10.0	1.13
Methyl-t-butyl ether	20.165	1.00	0.500 g	25.0	2.48
1,1-Dichloroethane	20.165	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20.165	1.00	0.530	10.0	0.94
Chloroform	20.165	1.00	0.350 g	10.0	1.42
1,2-Dichloroethane	20.165	1.00	0.560	10.0	0.89
1,1,1-Trichloroethane	20.165	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20.165	1.00	0.430 g	10.0	1.15
Benzene	20.165	1.00	0.530	25.0	2.34
Trichloroethene	20.165	1.00	0.330	10.0	1.50
1,4-Dioxane	20.165	1.00	0.410 g	10.0	1.21
1,1,2-Trichloroethane	20.165	1.00	0.330 g	10.0	1.50
Toluene	20.165	1.00	0.400	25.0	3.10
1,2-Dibromoethane (EDB)	20.165	1.00	0.390 g	5.0	0.64
Tetrachloroethene	20.165	1.00	0.410	10.0	1.21
1,1,1,2-Tetrachloroethane	20.165	1.00	0.410 g	10.0	1.21
Chlorobenzene	20.165	1.00	0.850 g	10.0	0.58
Ethylbenzene	20.165	1.00	0.850	25.0	1.46
p & m-Xylene	20.165	1.00	0.880	25.0	1.41
o-Xylene	20.165	1.00	0.880	25.0	1.41
1,2,3-Trichloropropane	20.165	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20.165	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20.165	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20.165	1.00	0.830 g	25.0	1.49
1,3-Dichlorobenzene	20.165	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20.165	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20.165	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20.165	1.00	0.390 g	10.0	1.27
Naphthalene	20.165	1.00	0.800 g	25.0	1.55
1,2,3-Trichlorobenzene	20.165	1.00	0.390 g	10.0	1.27
2-Methylnaphthalene	20.165	1.00	0.760 g	25.0	1.63
TPH C4-C9	20.165	1.00	0.590 g	5,000.0	420
TPH C10-C15	20.165	1.00	0.690 g	5,000.0	359

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-50 **Sample Name:** PSG-44

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20.419	1.00	0.810	10.0	0.60
1,1-Dichloroethene	20.419	1.00	0.330	10.0	1.48
Methylene Chloride	20.419	1.00	0.350 g	10.0	1.40
1,1,2-Trichlorotrifluoroethane (Fr.113)	20.419	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20.419	1.00	0.440	10.0	1.11
Methyl-t-butyl ether	20.419	1.00	0.500 g	25.0	2.45
1,1-Dichloroethane	20.419	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20.419	1.00	0.530	10.0	0.92
Chloroform	20.419	1.00	0.350 g	10.0	1.40
1,2-Dichloroethane	20.419	1.00	0.560	10.0	0.87
1,1,1-Trichloroethane	20.419	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20.419	1.00	0.430 g	10.0	1.14
Benzene	20.419	1.00	0.530	25.0	2.31
Trichloroethene	20.419	1.00	0.330	10.0	1.48
1,4-Dioxane	20.419	1.00	0.410 g	10.0	1.19
1,1,2-Trichloroethane	20.419	1.00	0.330 g	10.0	1.48
Toluene	20.419	1.00	0.400	25.0	3.06
1,2-Dibromoethane (EDB)	20.419	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20.419	1.00	0.410	10.0	1.19
1,1,1,2-Tetrachloroethane	20.419	1.00	0.410 g	10.0	1.19
Chlorobenzene	20.419	1.00	0.850 g	10.0	0.58
Ethylbenzene	20.419	1.00	0.850	25.0	1.44
p & m-Xylene	20.419	1.00	0.880	25.0	1.39
o-Xylene	20.419	1.00	0.880	25.0	1.39
1,2,3-Trichloropropane	20.419	1.00	0.750 g	10.0	0.65
Isopropylbenzene	20.419	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20.419	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20.419	1.00	0.830 g	25.0	1.48
1,3-Dichlorobenzene	20.419	1.00	0.750 g	10.0	0.65
1,4-Dichlorobenzene	20.419	1.00	0.750 g	10.0	0.65
1,2-Dichlorobenzene	20.419	1.00	0.750 g	10.0	0.65
1,2,4-Trichlorobenzene	20.419	1.00	0.390 g	10.0	1.26
Naphthalene	20.419	1.00	0.800 g	25.0	1.53
1,2,3-Trichlorobenzene	20.419	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20.419	1.00	0.760 g	25.0	1.61
TPH C4-C9	20.419	1.00	0.590 g	5,000.0	415
TPH C10-C15	20.419	1.00	0.690 g	5,000.0	355

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-51 **Sample Name:** PSG-45

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,378	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,378	1.00	0.330	10.0	1.49
Methylene Chloride	20,378	1.00	0.350 g	10.0	1.40
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,378	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,378	1.00	0.440	10.0	1.12
Methyl-t-butyl ether	20,378	1.00	0.500 g	25.0	2.45
1,1-Dichloroethane	20,378	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,378	1.00	0.530	10.0	0.93
Chloroform	20,378	1.00	0.350 g	10.0	1.40
1,2-Dichloroethane	20,378	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,378	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,378	1.00	0.430 g	10.0	1.14
Benzene	20,378	1.00	0.530	25.0	2.31
Trichloroethene	20,378	1.00	0.330	10.0	1.49
1,4-Dioxane	20,378	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20,378	1.00	0.330 g	10.0	1.49
Toluene	20,378	1.00	0.400	25.0	3.07
1,2-Dibromoethane (EDB)	20,378	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,378	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,378	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,378	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,378	1.00	0.850	25.0	1.44
p & m-Xylene	20,378	1.00	0.880	25.0	1.39
o-Xylene	20,378	1.00	0.880	25.0	1.39
1,2,3-Trichloropropane	20,378	1.00	0.750 g	10.0	0.65
Isopropylbenzene	20,378	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20,378	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20,378	1.00	0.830 g	25.0	1.48
1,3-Dichlorobenzene	20,378	1.00	0.750 g	10.0	0.65
1,4-Dichlorobenzene	20,378	1.00	0.750 g	10.0	0.65
1,2-Dichlorobenzene	20,378	1.00	0.750 g	10.0	0.65
1,2,4-Trichlorobenzene	20,378	1.00	0.390 g	10.0	1.26
Naphthalene	20,378	1.00	0.800 g	25.0	1.53
1,2,3-Trichlorobenzene	20,378	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20,378	1.00	0.760 g	25.0	1.61
TPH C4-C9	20,378	1.00	0.590 g	5,000.0	416
TPH C10-C15	20,378	1.00	0.690 g	5,000.0	356

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-52 **Sample Name:** PSG-46

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,370	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,370	1.00	0.330	10.0	1.49
Methylene Chloride	20,370	1.00	0.350 g	10.0	1.40
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,370	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,370	1.00	0.440	10.0	1.12
Methyl-t-butyl ether	20,370	1.00	0.500 g	25.0	2.45
1,1-Dichloroethane	20,370	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,370	1.00	0.530	10.0	0.93
Chloroform	20,370	1.00	0.350 g	10.0	1.40
1,2-Dichloroethane	20,370	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,370	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,370	1.00	0.430 g	10.0	1.14
Benzene	20,370	1.00	0.530	25.0	2.32
Trichloroethene	20,370	1.00	0.330	10.0	1.49
1,4-Dioxane	20,370	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20,370	1.00	0.330 g	10.0	1.49
Toluene	20,370	1.00	0.400	25.0	3.07
1,2-Dibromoethane (EDB)	20,370	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,370	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,370	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,370	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,370	1.00	0.850	25.0	1.44
p & m-Xylene	20,370	1.00	0.880	25.0	1.39
o-Xylene	20,370	1.00	0.880	25.0	1.39
1,2,3-Trichloropropane	20,370	1.00	0.750 g	10.0	0.65
Isopropylbenzene	20,370	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20,370	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20,370	1.00	0.830 g	25.0	1.48
1,3-Dichlorobenzene	20,370	1.00	0.750 g	10.0	0.65
1,4-Dichlorobenzene	20,370	1.00	0.750 g	10.0	0.65
1,2-Dichlorobenzene	20,370	1.00	0.750 g	10.0	0.65
1,2,4-Trichlorobenzene	20,370	1.00	0.390 g	10.0	1.26
Naphthalene	20,370	1.00	0.800 g	25.0	1.53
1,2,3-Trichlorobenzene	20,370	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20,370	1.00	0.760 g	25.0	1.61
TPH C4-C9	20,370	1.00	0.590 g	5,000.0	416
TPH C10-C15	20,370	1.00	0.690 g	5,000.0	356

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-53 **Sample Name:** PSG-47

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,179	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,179	1.00	0.330	10.0	1.50
Methylene Chloride	20,179	1.00	0.350 g	10.0	1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,179	1.00	0.890 g	10.0	0.56
trans-1,2-Dichloroethene	20,179	1.00	0.440	10.0	1.13
Methyl-t-butyl ether	20,179	1.00	0.500 g	25.0	2.48
1,1-Dichloroethane	20,179	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,179	1.00	0.530	10.0	0.94
Chloroform	20,179	1.00	0.350 g	10.0	1.42
1,2-Dichloroethane	20,179	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,179	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,179	1.00	0.430 g	10.0	1.15
Benzene	20,179	1.00	0.530	25.0	2.34
Trichloroethene	20,179	1.00	0.330	10.0	1.50
1,4-Dioxane	20,179	1.00	0.410 g	10.0	1.21
1,1,2-Trichloroethane	20,179	1.00	0.330 g	10.0	1.50
Toluene	20,179	1.00	0.400	25.0	3.10
1,2-Dibromoethane (EDB)	20,179	1.00	0.390 g	5.0	0.64
Tetrachloroethene	20,179	1.00	0.410	10.0	1.21
1,1,1,2-Tetrachloroethane	20,179	1.00	0.410 g	10.0	1.21
Chlorobenzene	20,179	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,179	1.00	0.850	25.0	1.46
p & m-Xylene	20,179	1.00	0.880	25.0	1.41
o-Xylene	20,179	1.00	0.880	25.0	1.41
1,2,3-Trichloropropane	20,179	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,179	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20,179	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20,179	1.00	0.830 g	25.0	1.49
1,3-Dichlorobenzene	20,179	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,179	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,179	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,179	1.00	0.390 g	10.0	1.27
Naphthalene	20,179	1.00	0.800 g	25.0	1.55
1,2,3-Trichlorobenzene	20,179	1.00	0.390 g	10.0	1.27
2-Methylnaphthalene	20,179	1.00	0.760 g	25.0	1.63
TPH C4-C9	20,179	1.00	0.590 g	5,000.0	420
TPH C10-C15	20,179	1.00	0.690 g	5,000.0	359

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-54 **Sample Name:** PSG-48

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,186	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,186	1.00	0.330	10.0	1.50
Methylene Chloride	20,186	1.00	0.350 g	10.0	1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,186	1.00	0.890 g	10.0	0.56
trans-1,2-Dichloroethene	20,186	1.00	0.440	10.0	1.13
Methyl-t-butyl ether	20,186	1.00	0.500 g	25.0	2.48
1,1-Dichloroethane	20,186	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,186	1.00	0.530	10.0	0.93
Chloroform	20,186	1.00	0.350 g	10.0	1.42
1,2-Dichloroethane	20,186	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,186	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,186	1.00	0.430 g	10.0	1.15
Benzene	20,186	1.00	0.530	25.0	2.34
Trichloroethene	20,186	1.00	0.330	10.0	1.50
1,4-Dioxane	20,186	1.00	0.410 g	10.0	1.21
1,1,2-Trichloroethane	20,186	1.00	0.330 g	10.0	1.50
Toluene	20,186	1.00	0.400	25.0	3.10
1,2-Dibromoethane (EDB)	20,186	1.00	0.390 g	5.0	0.64
Tetrachloroethene	20,186	1.00	0.410	10.0	1.21
1,1,1,2-Tetrachloroethane	20,186	1.00	0.410 g	10.0	1.21
Chlorobenzene	20,186	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,186	1.00	0.850	25.0	1.46
p & m-Xylene	20,186	1.00	0.880	25.0	1.41
o-Xylene	20,186	1.00	0.880	25.0	1.41
1,2,3-Trichloropropane	20,186	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,186	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20,186	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20,186	1.00	0.830 g	25.0	1.49
1,3-Dichlorobenzene	20,186	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,186	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,186	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,186	1.00	0.390 g	10.0	1.27
Naphthalene	20,186	1.00	0.800 g	25.0	1.55
1,2,3-Trichlorobenzene	20,186	1.00	0.390 g	10.0	1.27
2-Methylnaphthalene	20,186	1.00	0.760 g	25.0	1.63
TPH C4-C9	20,186	1.00	0.590 g	5,000.0	420
TPH C10-C15	20,186	1.00	0.690 g	5,000.0	359

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-55 **Sample Name:** PSG-49

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,319	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,319	1.00	0.330	10.0	1.49
Methylene Chloride	20,319	1.00	0.350 g	10.0	1.41
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,319	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,319	1.00	0.440	10.0	1.12
Methyl-t-butyl ether	20,319	1.00	0.500 g	25.0	2.46
1,1-Dichloroethane	20,319	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,319	1.00	0.530	10.0	0.93
Chloroform	20,319	1.00	0.350 g	10.0	1.41
1,2-Dichloroethane	20,319	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,319	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,319	1.00	0.430 g	10.0	1.14
Benzene	20,319	1.00	0.530	25.0	2.32
Trichloroethene	20,319	1.00	0.330	10.0	1.49
1,4-Dioxane	20,319	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20,319	1.00	0.330 g	10.0	1.49
Toluene	20,319	1.00	0.400	25.0	3.08
1,2-Dibromoethane (EDB)	20,319	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,319	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,319	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,319	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,319	1.00	0.850	25.0	1.45
p & m-Xylene	20,319	1.00	0.880	25.0	1.40
o-Xylene	20,319	1.00	0.880	25.0	1.40
1,2,3-Trichloropropane	20,319	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,319	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20,319	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20,319	1.00	0.830 g	25.0	1.48
1,3-Dichlorobenzene	20,319	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,319	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,319	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,319	1.00	0.390 g	10.0	1.26
Naphthalene	20,319	1.00	0.800 g	25.0	1.54
1,2,3-Trichlorobenzene	20,319	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20,319	1.00	0.760 g	25.0	1.62
TPH C4-C9	20,319	1.00	0.590 g	5,000.0	417
TPH C10-C15	20,319	1.00	0.690 g	5,000.0	357

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-56 **Sample Name:** PSG-50

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20.164	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20.164	1.00	0.330	10.0	1.50
Methylene Chloride	20.164	1.00	0.350 g	10.0	1.42
1,1,2-Trichlorotrifluoroethane (Fr.113)	20.164	1.00	0.890 g	10.0	0.56
trans-1,2-Dichloroethene	20.164	1.00	0.440	10.0	1.13
Methyl-t-butyl ether	20.164	1.00	0.500 g	25.0	2.48
1,1-Dichloroethane	20.164	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20.164	1.00	0.530	10.0	0.94
Chloroform	20.164	1.00	0.350 g	10.0	1.42
1,2-Dichloroethane	20.164	1.00	0.560	10.0	0.89
1,1,1-Trichloroethane	20.164	18.99	1.050	10.0	8.97
Carbon Tetrachloride	20.164	1.00	0.430 g	10.0	1.15
Benzene	20.164	1.00	0.530	25.0	2.34
Trichloroethene	20.164	1.00	0.330	10.0	1.50
1,4-Dioxane	20.164	1.00	0.410 g	10.0	1.21
1,1,2-Trichloroethane	20.164	1.00	0.330 g	10.0	1.50
Toluene	20.164	1.00	0.400	25.0	3.10
1,2-Dibromoethane (EDB)	20.164	1.00	0.390 g	5.0	0.64
Tetrachloroethene	20.164	1.00	0.410	10.0	1.21
1,1,1,2-Tetrachloroethane	20.164	1.00	0.410 g	10.0	1.21
Chlorobenzene	20.164	1.00	0.850 g	10.0	0.58
Ethylbenzene	20.164	1.00	0.850	25.0	1.46
p & m-Xylene	20.164	1.00	0.880	25.0	1.41
o-Xylene	20.164	1.00	0.880	25.0	1.41
1,2,3-Trichloropropane	20.164	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20.164	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20.164	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20.164	1.00	0.830 g	25.0	1.49
1,3-Dichlorobenzene	20.164	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20.164	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20.164	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20.164	1.00	0.390 g	10.0	1.27
Naphthalene	20.164	1.00	0.800 g	25.0	1.55
1,2,3-Trichlorobenzene	20.164	1.00	0.390 g	10.0	1.27
2-Methylnaphthalene	20.164	1.00	0.760 g	25.0	1.63
TPH C4-C9	20.164	1.00	0.590 g	5,000.0	420
TPH C10-C15	20.164	1.00	0.690 g	5,000.0	359

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-57 **Sample Name:** PSG-51

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,301	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,301	1.00	0.330	10.0	1.49
Methylene Chloride	20,301	1.00	0.350 g	10.0	1.41
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,301	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,301	1.00	0.440	10.0	1.12
Methyl-t-butyl ether	20,301	1.00	0.500 g	25.0	2.46
1,1-Dichloroethane	20,301	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,301	1.00	0.530	10.0	0.93
Chloroform	20,301	1.00	0.350 g	10.0	1.41
1,2-Dichloroethane	20,301	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,301	18.99	1.050	10.0	8.91
Carbon Tetrachloride	20,301	1.00	0.430 g	10.0	1.15
Benzene	20,301	1.00	0.530	25.0	2.32
Trichloroethene	20,301	1.00	0.330	10.0	1.49
1,4-Dioxane	20,301	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20,301	1.00	0.330 g	10.0	1.49
Toluene	20,301	1.00	0.400	25.0	3.08
1,2-Dibromoethane (EDB)	20,301	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,301	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,301	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,301	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,301	1.00	0.850	25.0	1.45
p & m-Xylene	20,301	1.00	0.880	25.0	1.40
o-Xylene	20,301	1.00	0.880	25.0	1.40
1,2,3-Trichloropropane	20,301	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,301	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20,301	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20,301	1.00	0.830 g	25.0	1.48
1,3-Dichlorobenzene	20,301	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,301	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,301	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,301	1.00	0.390 g	10.0	1.26
Naphthalene	20,301	1.00	0.800 g	25.0	1.54
1,2,3-Trichlorobenzene	20,301	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20,301	1.00	0.760 g	25.0	1.62
TPH C4-C9	20,301	1.00	0.590 g	5,000.0	417
TPH C10-C15	20,301	1.00	0.690 g	5,000.0	357

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-58 **Sample Name:** PSG-52

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,308	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,308	1.00	0.330	10.0	1.49
Methylene Chloride	20,308	1.00	0.350 g	10.0	1.41
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,308	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,308	1.00	0.440	10.0	1.12
Methyl-t-butyl ether	20,308	1.00	0.500 g	25.0	2.46
1,1-Dichloroethane	20,308	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,308	1.00	0.530	10.0	0.93
Chloroform	20,308	1.00	0.350 g	10.0	1.41
1,2-Dichloroethane	20,308	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,308	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,308	1.00	0.430 g	10.0	1.15
Benzene	20,308	1.00	0.530	25.0	2.32
Trichloroethene	20,308	1.00	0.330	10.0	1.49
1,4-Dioxane	20,308	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20,308	1.00	0.330 g	10.0	1.49
Toluene	20,308	1.00	0.400	25.0	3.08
1,2-Dibromoethane (EDB)	20,308	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,308	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,308	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,308	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,308	1.00	0.850	25.0	1.45
p & m-Xylene	20,308	1.00	0.880	25.0	1.40
o-Xylene	20,308	1.00	0.880	25.0	1.40
1,2,3-Trichloropropane	20,308	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,308	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20,308	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20,308	1.00	0.830 g	25.0	1.48
1,3-Dichlorobenzene	20,308	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,308	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,308	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,308	1.00	0.390 g	10.0	1.26
Naphthalene	20,308	1.00	0.800 g	25.0	1.54
1,2,3-Trichlorobenzene	20,308	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20,308	1.00	0.760 g	25.0	1.62
TPH C4-C9	20,308	1.00	0.590 g	5,000.0	417
TPH C10-C15	20,308	1.00	0.690 g	5,000.0	357

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-59 **Sample Name:** PSG-53

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21.475	1.00	0.810	10.0	0.57
1,1-Dichloroethene	21.475	1.00	0.330	10.0	1.41
Methylene Chloride	21.475	1.00	0.350 g	10.0	1.33
1,1,2-Trichlorotrifluoroethane (Fr.113)	21.475	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21.475	1.00	0.440	10.0	1.06
Methyl-t-butyl ether	21.475	1.00	0.500 g	25.0	2.33
1,1-Dichloroethane	21.475	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21.475	1.00	0.530	10.0	0.88
Chloroform	21.475	1.00	0.350 g	10.0	1.33
1,2-Dichloroethane	21.475	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21.475	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21.475	1.00	0.430 g	10.0	1.08
Benzene	21.475	1.00	0.530	25.0	2.20
Trichloroethene	21.475	1.00	0.330	10.0	1.41
1,4-Dioxane	21.475	1.00	0.410 g	10.0	1.14
1,1,2-Trichloroethane	21.475	1.00	0.330 g	10.0	1.41
Toluene	21.475	1.00	0.400	25.0	2.91
1,2-Dibromoethane (EDB)	21.475	1.00	0.390 g	5.0	0.60
Tetrachloroethene	21.475	1.00	0.410	10.0	1.14
1,1,1,2-Tetrachloroethane	21.475	1.00	0.410 g	10.0	1.14
Chlorobenzene	21.475	1.00	0.850 g	10.0	0.55
Ethylbenzene	21.475	1.00	0.850	25.0	1.37
p & m-Xylene	21.475	1.00	0.880	25.0	1.32
o-Xylene	21.475	1.00	0.880	25.0	1.32
1,2,3-Trichloropropane	21.475	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21.475	1.00	0.830 g	25.0	1.40
1,3,5-Trimethylbenzene	21.475	1.00	0.830 g	25.0	1.40
1,2,4-Trimethylbenzene	21.475	1.00	0.830 g	25.0	1.40
1,3-Dichlorobenzene	21.475	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21.475	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21.475	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21.475	1.00	0.390 g	10.0	1.19
Naphthalene	21.475	1.00	0.800 g	25.0	1.46
1,2,3-Trichlorobenzene	21.475	1.00	0.390 g	10.0	1.19
2-Methylnaphthalene	21.475	1.00	0.760 g	25.0	1.53
TPH C4-C9	21.475	1.00	0.590 g	5,000.0	395
TPH C10-C15	21.475	1.00	0.690 g	5,000.0	337

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-60 **Sample Name:** PSG-54

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,470	1.00	0.810	10.0	0.58
1,1-Dichloroethene	21,470	1.00	0.330	10.0	1.41
Methylene Chloride	21,470	1.00	0.350 g	10.0	1.33
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,470	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21,470	1.00	0.440	10.0	1.06
Methyl-t-butyl ether	21,470	1.00	0.500 g	25.0	2.33
1,1-Dichloroethane	21,470	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,470	1.00	0.530	10.0	0.88
Chloroform	21,470	1.00	0.350 g	10.0	1.33
1,2-Dichloroethane	21,470	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,470	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,470	1.00	0.430 g	10.0	1.08
Benzene	21,470	1.00	0.530	25.0	2.20
Trichloroethene	21,470	1.00	0.330	10.0	1.41
1,4-Dioxane	21,470	1.00	0.410 g	10.0	1.14
1,1,2-Trichloroethane	21,470	1.00	0.330 g	10.0	1.41
Toluene	21,470	1.00	0.400	25.0	2.91
1,2-Dibromoethane (EDB)	21,470	1.00	0.390 g	5.0	0.60
Tetrachloroethene	21,470	1.00	0.410	10.0	1.14
1,1,1,2-Tetrachloroethane	21,470	1.00	0.410 g	10.0	1.14
Chlorobenzene	21,470	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,470	1.00	0.850	25.0	1.37
p & m-Xylene	21,470	1.00	0.880	25.0	1.32
o-Xylene	21,470	1.00	0.880	25.0	1.32
1,2,3-Trichloropropane	21,470	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,470	1.00	0.830 g	25.0	1.40
1,3,5-Trimethylbenzene	21,470	1.00	0.830 g	25.0	1.40
1,2,4-Trimethylbenzene	21,470	1.00	0.830 g	25.0	1.40
1,3-Dichlorobenzene	21,470	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,470	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,470	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,470	1.00	0.390 g	10.0	1.19
Naphthalene	21,470	1.00	0.800 g	25.0	1.46
1,2,3-Trichlorobenzene	21,470	1.00	0.390 g	10.0	1.19
2-Methylnaphthalene	21,470	1.00	0.760 g	25.0	1.53
TPH C4-C9	21,470	1.00	0.590 g	5,000.0	395
TPH C10-C15	21,470	1.00	0.690 g	5,000.0	338

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-61 **Sample Name:** PSG-55

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,469	1.00	0.810	10.0	0.58
1,1-Dichloroethene	21,469	1.00	0.330	10.0	1.41
Methylene Chloride	21,469	1.00	0.350 g	10.0	1.33
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,469	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21,469	1.00	0.440	10.0	1.06
Methyl-t-butyl ether	21,469	1.00	0.500 g	25.0	2.33
1,1-Dichloroethane	21,469	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,469	1.00	0.530	10.0	0.88
Chloroform	21,469	1.00	0.350 g	10.0	1.33
1,2-Dichloroethane	21,469	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,469	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,469	1.00	0.430 g	10.0	1.08
Benzene	21,469	1.00	0.530	25.0	2.20
Trichloroethene	21,469	1.00	0.330	10.0	1.41
1,4-Dioxane	21,469	1.00	0.410 g	10.0	1.14
1,1,2-Trichloroethane	21,469	1.00	0.330 g	10.0	1.41
Toluene	21,469	1.00	0.400	25.0	2.91
1,2-Dibromoethane (EDB)	21,469	1.00	0.390 g	5.0	0.60
Tetrachloroethene	21,469	1.00	0.410	10.0	1.14
1,1,1,2-Tetrachloroethane	21,469	1.00	0.410 g	10.0	1.14
Chlorobenzene	21,469	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,469	1.00	0.850	25.0	1.37
p & m-Xylene	21,469	1.00	0.880	25.0	1.32
o-Xylene	21,469	1.00	0.880	25.0	1.32
1,2,3-Trichloropropane	21,469	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,469	1.00	0.830 g	25.0	1.40
1,3,5-Trimethylbenzene	21,469	1.00	0.830 g	25.0	1.40
1,2,4-Trimethylbenzene	21,469	1.00	0.830 g	25.0	1.40
1,3-Dichlorobenzene	21,469	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,469	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,469	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,469	1.00	0.390 g	10.0	1.19
Naphthalene	21,469	1.00	0.800 g	25.0	1.46
1,2,3-Trichlorobenzene	21,469	1.00	0.390 g	10.0	1.19
2-Methylnaphthalene	21,469	1.00	0.760 g	25.0	1.53
TPH C4-C9	21,469	1.00	0.590 g	5,000.0	395
TPH C10-C15	21,469	1.00	0.690 g	5,000.0	338

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-62 **Sample Name:** PSG-56

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	21,469	1.00	0.810	10.0	0.58
1,1-Dichloroethene	21,469	1.00	0.330	10.0	1.41
Methylene Chloride	21,469	1.00	0.350 g	10.0	1.33
1,1,2-Trichlorotrifluoroethane (Fr.113)	21,469	1.00	0.890 g	10.0	0.52
trans-1,2-Dichloroethene	21,469	1.00	0.440	10.0	1.06
Methyl-t-butyl ether	21,469	1.00	0.500 g	25.0	2.33
1,1-Dichloroethane	21,469	1.00	0.850	10.0	0.55
cis-1,2-Dichloroethene	21,469	1.00	0.530	10.0	0.88
Chloroform	21,469	1.00	0.350 g	10.0	1.33
1,2-Dichloroethane	21,469	1.00	0.560	10.0	0.83
1,1,1-Trichloroethane	21,469	1.00	1.050	10.0	0.44
Carbon Tetrachloride	21,469	1.00	0.430 g	10.0	1.08
Benzene	21,469	1.00	0.530	25.0	2.20
Trichloroethene	21,469	1.00	0.330	10.0	1.41
1,4-Dioxane	21,469	1.00	0.410 g	10.0	1.14
1,1,2-Trichloroethane	21,469	1.00	0.330 g	10.0	1.41
Toluene	21,469	1.00	0.400	25.0	2.91
1,2-Dibromoethane (EDB)	21,469	1.00	0.390 g	5.0	0.60
Tetrachloroethene	21,469	1.00	0.410	10.0	1.14
1,1,1,2-Tetrachloroethane	21,469	1.00	0.410 g	10.0	1.14
Chlorobenzene	21,469	1.00	0.850 g	10.0	0.55
Ethylbenzene	21,469	1.00	0.850	25.0	1.37
p & m-Xylene	21,469	1.00	0.880	25.0	1.32
o-Xylene	21,469	1.00	0.880	25.0	1.32
1,2,3-Trichloropropane	21,469	1.00	0.750 g	10.0	0.62
Isopropylbenzene	21,469	1.00	0.830 g	25.0	1.40
1,3,5-Trimethylbenzene	21,469	1.00	0.830 g	25.0	1.40
1,2,4-Trimethylbenzene	21,469	1.00	0.830 g	25.0	1.40
1,3-Dichlorobenzene	21,469	1.00	0.750 g	10.0	0.62
1,4-Dichlorobenzene	21,469	1.00	0.750 g	10.0	0.62
1,2-Dichlorobenzene	21,469	1.00	0.750 g	10.0	0.62
1,2,4-Trichlorobenzene	21,469	1.00	0.390 g	10.0	1.19
Naphthalene	21,469	1.00	0.800 g	25.0	1.46
1,2,3-Trichlorobenzene	21,469	1.00	0.390 g	10.0	1.19
2-Methylnaphthalene	21,469	1.00	0.760 g	25.0	1.53
TPH C4-C9	21,469	1.00	0.590 g	5,000.0	395
TPH C10-C15	21,469	1.00	0.690 g	5,000.0	338

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-63 **Sample Name:** PSG-57

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,378	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,378	1.00	0.330	10.0	1.49
Methylene Chloride	20,378	1.00	0.350 g	10.0	1.40
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,378	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,378	1.00	0.440	10.0	1.12
Methyl-t-butyl ether	20,378	1.00	0.500 g	25.0	2.45
1,1-Dichloroethane	20,378	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,378	1.00	0.530	10.0	0.93
Chloroform	20,378	1.00	0.350 g	10.0	1.40
1,2-Dichloroethane	20,378	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,378	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,378	1.00	0.430 g	10.0	1.14
Benzene	20,378	1.00	0.530	25.0	2.31
Trichloroethene	20,378	1.00	0.330	10.0	1.49
1,4-Dioxane	20,378	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20,378	1.00	0.330 g	10.0	1.49
Toluene	20,378	1.00	0.400	25.0	3.07
1,2-Dibromoethane (EDB)	20,378	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,378	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,378	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,378	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,378	1.00	0.850	25.0	1.44
p & m-Xylene	20,378	1.00	0.880	25.0	1.39
o-Xylene	20,378	1.00	0.880	25.0	1.39
1,2,3-Trichloropropane	20,378	1.00	0.750 g	10.0	0.65
Isopropylbenzene	20,378	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20,378	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20,378	1.00	0.830 g	25.0	1.48
1,3-Dichlorobenzene	20,378	1.00	0.750 g	10.0	0.65
1,4-Dichlorobenzene	20,378	1.00	0.750 g	10.0	0.65
1,2-Dichlorobenzene	20,378	1.00	0.750 g	10.0	0.65
1,2,4-Trichlorobenzene	20,378	1.00	0.390 g	10.0	1.26
Naphthalene	20,378	1.00	0.800 g	25.0	1.53
1,2,3-Trichlorobenzene	20,378	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20,378	1.00	0.760 g	25.0	1.61
TPH C4-C9	20,378	1.00	0.590 g	5,000.0	416
TPH C10-C15	20,378	1.00	0.690 g	5,000.0	356

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-64 **Sample Name:** PSG-58

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,386	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,386	1.00	0.330	10.0	1.49
Methylene Chloride	20,386	1.00	0.350 g	10.0	1.40
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,386	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,386	1.00	0.440	10.0	1.11
Methyl-t-butyl ether	20,386	1.00	0.500 g	25.0	2.45
1,1-Dichloroethane	20,386	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,386	1.00	0.530	10.0	0.93
Chloroform	20,386	1.00	0.350 g	10.0	1.40
1,2-Dichloroethane	20,386	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,386	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,386	1.00	0.430 g	10.0	1.14
Benzene	20,386	1.00	0.530	25.0	2.31
Trichloroethene	20,386	1.00	0.330	10.0	1.49
1,4-Dioxane	20,386	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20,386	1.00	0.330 g	10.0	1.49
Toluene	20,386	1.00	0.400	25.0	3.07
1,2-Dibromoethane (EDB)	20,386	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,386	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,386	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,386	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,386	1.00	0.850	25.0	1.44
p & m-Xylene	20,386	1.00	0.880	25.0	1.39
o-Xylene	20,386	1.00	0.880	25.0	1.39
1,2,3-Trichloropropane	20,386	1.00	0.750 g	10.0	0.65
Isopropylbenzene	20,386	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20,386	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20,386	1.00	0.830 g	25.0	1.48
1,3-Dichlorobenzene	20,386	1.00	0.750 g	10.0	0.65
1,4-Dichlorobenzene	20,386	1.00	0.750 g	10.0	0.65
1,2-Dichlorobenzene	20,386	1.00	0.750 g	10.0	0.65
1,2,4-Trichlorobenzene	20,386	1.00	0.390 g	10.0	1.26
Naphthalene	20,386	1.00	0.800 g	25.0	1.53
1,2,3-Trichlorobenzene	20,386	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20,386	1.00	0.760 g	25.0	1.61
TPH C4-C9	20,386	1.00	0.590 g	5,000.0	416
TPH C10-C15	20,386	1.00	0.690 g	5,000.0	355

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-65 **Sample Name:** PSG-59

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,377	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,377	1.00	0.330	10.0	1.49
Methylene Chloride	20,377	1.00	0.350 g	10.0	1.40
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,377	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,377	1.00	0.440	10.0	1.12
Methyl-t-butyl ether	20,377	1.00	0.500 g	25.0	2.45
1,1-Dichloroethane	20,377	18.99	0.850	10.0	11.0
cis-1,2-Dichloroethene	20,377	1.00	0.530	10.0	0.93
Chloroform	20,377	1.00	0.350 g	10.0	1.40
1,2-Dichloroethane	20,377	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,377	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,377	1.00	0.430 g	10.0	1.14
Benzene	20,377	1.00	0.530	25.0	2.31
Trichloroethene	20,377	1.00	0.330	10.0	1.49
1,4-Dioxane	20,377	18.99	0.410 g	10.0	22.7
1,1,2-Trichloroethane	20,377	1.00	0.330 g	10.0	1.49
Toluene	20,377	1.00	0.400	25.0	3.07
1,2-Dibromoethane (EDB)	20,377	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,377	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,377	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,377	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,377	1.00	0.850	25.0	1.44
p & m-Xylene	20,377	1.00	0.880	25.0	1.39
o-Xylene	20,377	1.00	0.880	25.0	1.39
1,2,3-Trichloropropane	20,377	1.00	0.750 g	10.0	0.65
Isopropylbenzene	20,377	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20,377	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20,377	1.00	0.830 g	25.0	1.48
1,3-Dichlorobenzene	20,377	1.00	0.750 g	10.0	0.65
1,4-Dichlorobenzene	20,377	1.00	0.750 g	10.0	0.65
1,2-Dichlorobenzene	20,377	1.00	0.750 g	10.0	0.65
1,2,4-Trichlorobenzene	20,377	1.00	0.390 g	10.0	1.26
Naphthalene	20,377	1.00	0.800 g	25.0	1.53
1,2,3-Trichlorobenzene	20,377	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20,377	1.00	0.760 g	25.0	1.61
TPH C4-C9	20,377	1.00	0.590 g	5,000.0	416
TPH C10-C15	20,377	1.00	0.690 g	5,000.0	356

BEACON ENVIRONMENTAL

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-66 **Sample Name:** PSG-60

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,255	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,255	1.00	0.330	10.0	1.50
Methylene Chloride	20,255	1.00	0.350 g	10.0	1.41
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,255	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,255	1.00	0.440	10.0	1.12
Methyl-t-butyl ether	20,255	1.00	0.500 g	25.0	2.47
1,1-Dichloroethane	20,255	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,255	1.00	0.530	10.0	0.93
Chloroform	20,255	1.00	0.350 g	10.0	1.41
1,2-Dichloroethane	20,255	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,255	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,255	1.00	0.430 g	10.0	1.15
Benzene	20,255	1.00	0.530	25.0	2.33
Trichloroethene	20,255	1.00	0.330	10.0	1.50
1,4-Dioxane	20,255	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20,255	1.00	0.330 g	10.0	1.50
Toluene	20,255	1.00	0.400	25.0	3.09
1,2-Dibromoethane (EDB)	20,255	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,255	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,255	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,255	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,255	1.00	0.850	25.0	1.45
p & m-Xylene	20,255	1.00	0.880	25.0	1.40
o-Xylene	20,255	1.00	0.880	25.0	1.40
1,2,3-Trichloropropane	20,255	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,255	1.00	0.830 g	25.0	1.49
1,3,5-Trimethylbenzene	20,255	1.00	0.830 g	25.0	1.49
1,2,4-Trimethylbenzene	20,255	1.00	0.830 g	25.0	1.49
1,3-Dichlorobenzene	20,255	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,255	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,255	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,255	1.00	0.390 g	10.0	1.27
Naphthalene	20,255	1.00	0.800 g	25.0	1.54
1,2,3-Trichlorobenzene	20,255	1.00	0.390 g	10.0	1.27
2-Methylnaphthalene	20,255	1.00	0.760 g	25.0	1.62
TPH C4-C9	20,255	1.00	0.590 g	5,000.0	418
TPH C10-C15	20,255	1.00	0.690 g	5,000.0	358

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-67 **Sample Name:** PSG-61

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,377	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,377	1.00	0.330	10.0	1.49
Methylene Chloride	20,377	1.00	0.350 g	10.0	1.40
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,377	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,377	1.00	0.440	10.0	1.12
Methyl-t-butyl ether	20,377	1.00	0.500 g	25.0	2.45
1,1-Dichloroethane	20,377	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,377	1.00	0.530	10.0	0.93
Chloroform	20,377	1.00	0.350 g	10.0	1.40
1,2-Dichloroethane	20,377	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,377	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,377	1.00	0.430 g	10.0	1.14
Benzene	20,377	1.00	0.530	25.0	2.31
Trichloroethene	20,377	1.00	0.330	10.0	1.49
1,4-Dioxane	20,377	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20,377	1.00	0.330 g	10.0	1.49
Toluene	20,377	1.00	0.400	25.0	3.07
1,2-Dibromoethane (EDB)	20,377	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,377	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,377	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,377	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,377	1.00	0.850	25.0	1.44
p & m-Xylene	20,377	1.00	0.880	25.0	1.39
o-Xylene	20,377	1.00	0.880	25.0	1.39
1,2,3-Trichloropropane	20,377	1.00	0.750 g	10.0	0.65
Isopropylbenzene	20,377	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20,377	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20,377	1.00	0.830 g	25.0	1.48
1,3-Dichlorobenzene	20,377	1.00	0.750 g	10.0	0.65
1,4-Dichlorobenzene	20,377	1.00	0.750 g	10.0	0.65
1,2-Dichlorobenzene	20,377	1.00	0.750 g	10.0	0.65
1,2,4-Trichlorobenzene	20,377	1.00	0.390 g	10.0	1.26
Naphthalene	20,377	1.00	0.800 g	25.0	1.53
1,2,3-Trichlorobenzene	20,377	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20,377	1.00	0.760 g	25.0	1.61
TPH C4-C9	20,377	1.00	0.590 g	5,000.0	416
TPH C10-C15	20,377	1.00	0.690 g	5,000.0	356

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-68 **Sample Name:** PSG-61-Dup

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,377	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,377	1.00	0.330	10.0	1.49
Methylene Chloride	20,377	1.00	0.350 g	10.0	1.40
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,377	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,377	1.00	0.440	10.0	1.12
Methyl-t-butyl ether	20,377	1.00	0.500 g	25.0	2.45
1,1-Dichloroethane	20,377	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,377	1.00	0.530	10.0	0.93
Chloroform	20,377	1.00	0.350 g	10.0	1.40
1,2-Dichloroethane	20,377	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,377	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,377	1.00	0.430 g	10.0	1.14
Benzene	20,377	1.00	0.530	25.0	2.31
Trichloroethene	20,377	1.00	0.330	10.0	1.49
1,4-Dioxane	20,377	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20,377	1.00	0.330 g	10.0	1.49
Toluene	20,377	1.00	0.400	25.0	3.07
1,2-Dibromoethane (EDB)	20,377	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,377	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,377	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,377	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,377	1.00	0.850	25.0	1.44
p & m-Xylene	20,377	1.00	0.880	25.0	1.39
o-Xylene	20,377	1.00	0.880	25.0	1.39
1,2,3-Trichloropropane	20,377	1.00	0.750 g	10.0	0.65
Isopropylbenzene	20,377	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20,377	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20,377	1.00	0.830 g	25.0	1.48
1,3-Dichlorobenzene	20,377	1.00	0.750 g	10.0	0.65
1,4-Dichlorobenzene	20,377	1.00	0.750 g	10.0	0.65
1,2-Dichlorobenzene	20,377	1.00	0.750 g	10.0	0.65
1,2,4-Trichlorobenzene	20,377	1.00	0.390 g	10.0	1.26
Naphthalene	20,377	1.00	0.800 g	25.0	1.53
1,2,3-Trichlorobenzene	20,377	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20,377	1.00	0.760 g	25.0	1.61
TPH C4-C9	20,377	1.00	0.590 g	5,000.0	416
TPH C10-C15	20,377	1.00	0.690 g	5,000.0	356

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-69 **Sample Name:** PSG-62

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,378	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,378	1.00	0.330	10.0	1.49
Methylene Chloride	20,378	1.00	0.350 g	10.0	1.40
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,378	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,378	1.00	0.440	10.0	1.12
Methyl-t-butyl ether	20,378	1.00	0.500 g	25.0	2.45
1,1-Dichloroethane	20,378	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,378	1.00	0.530	10.0	0.93
Chloroform	20,378	1.00	0.350 g	10.0	1.40
1,2-Dichloroethane	20,378	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,378	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,378	1.00	0.430 g	10.0	1.14
Benzene	20,378	1.00	0.530	25.0	2.31
Trichloroethene	20,378	18.99	0.330	10.0	28.2
1,4-Dioxane	20,378	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20,378	1.00	0.330 g	10.0	1.49
Toluene	20,378	1.00	0.400	25.0	3.07
1,2-Dibromoethane (EDB)	20,378	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,378	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,378	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,378	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,378	1.00	0.850	25.0	1.44
p & m-Xylene	20,378	1.00	0.880	25.0	1.39
o-Xylene	20,378	1.00	0.880	25.0	1.39
1,2,3-Trichloropropane	20,378	1.00	0.750 g	10.0	0.65
Isopropylbenzene	20,378	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20,378	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20,378	1.00	0.830 g	25.0	1.48
1,3-Dichlorobenzene	20,378	1.00	0.750 g	10.0	0.65
1,4-Dichlorobenzene	20,378	1.00	0.750 g	10.0	0.65
1,2-Dichlorobenzene	20,378	1.00	0.750 g	10.0	0.65
1,2,4-Trichlorobenzene	20,378	1.00	0.390 g	10.0	1.26
Naphthalene	20,378	1.00	0.800 g	25.0	1.53
1,2,3-Trichlorobenzene	20,378	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20,378	1.00	0.760 g	25.0	1.61
TPH C4-C9	20,378	1.00	0.590 g	5,000.0	416
TPH C10-C15	20,378	1.00	0.690 g	5,000.0	356

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-70 **Sample Name:** PSG-63

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,317	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,317	1.00	0.330	10.0	1.49
Methylene Chloride	20,317	1.00	0.350 g	10.0	1.41
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,317	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,317	1.00	0.440	10.0	1.12
Methyl-t-butyl ether	20,317	1.00	0.500 g	25.0	2.46
1,1-Dichloroethane	20,317	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,317	1.00	0.530	10.0	0.93
Chloroform	20,317	1.00	0.350 g	10.0	1.41
1,2-Dichloroethane	20,317	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,317	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,317	1.00	0.430 g	10.0	1.14
Benzene	20,317	1.00	0.530	25.0	2.32
Trichloroethene	20,317	1.00	0.330	10.0	1.49
1,4-Dioxane	20,317	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20,317	1.00	0.330 g	10.0	1.49
Toluene	20,317	1.00	0.400	25.0	3.08
1,2-Dibromoethane (EDB)	20,317	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,317	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,317	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,317	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,317	1.00	0.850	25.0	1.45
p & m-Xylene	20,317	1.00	0.880	25.0	1.40
o-Xylene	20,317	1.00	0.880	25.0	1.40
1,2,3-Trichloropropane	20,317	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,317	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20,317	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20,317	1.00	0.830 g	25.0	1.48
1,3-Dichlorobenzene	20,317	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,317	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,317	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,317	1.00	0.390 g	10.0	1.26
Naphthalene	20,317	1.00	0.800 g	25.0	1.54
1,2,3-Trichlorobenzene	20,317	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20,317	1.00	0.760 g	25.0	1.62
TPH C4-C9	20,317	1.00	0.590 g	5,000.0	417
TPH C10-C15	20,317	1.00	0.690 g	5,000.0	357

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Method Detection and Reporting Limit Calculations (Concentration)

EPA 8260C

Lab ID: 0007137-71 **Sample Name:** PSG-64

Analyte	t Sampling Time minutes	DF Dilution Factor	U Uptake Rate	M Initial LOQ ng	C Calculated LOQ µg/m³
Vinyl Chloride	20,311	1.00	0.810	10.0	0.61
1,1-Dichloroethene	20,311	1.00	0.330	10.0	1.49
Methylene Chloride	20,311	1.00	0.350 g	10.0	1.41
1,1,2-Trichlorotrifluoroethane (Fr.113)	20,311	1.00	0.890 g	10.0	0.55
trans-1,2-Dichloroethene	20,311	1.00	0.440	10.0	1.12
Methyl-t-butyl ether	20,311	1.00	0.500 g	25.0	2.46
1,1-Dichloroethane	20,311	1.00	0.850	10.0	0.58
cis-1,2-Dichloroethene	20,311	1.00	0.530	10.0	0.93
Chloroform	20,311	1.00	0.350 g	10.0	1.41
1,2-Dichloroethane	20,311	1.00	0.560	10.0	0.88
1,1,1-Trichloroethane	20,311	1.00	1.050	10.0	0.47
Carbon Tetrachloride	20,311	1.00	0.430 g	10.0	1.14
Benzene	20,311	1.00	0.530	25.0	2.32
Trichloroethene	20,311	1.00	0.330	10.0	1.49
1,4-Dioxane	20,311	1.00	0.410 g	10.0	1.20
1,1,2-Trichloroethane	20,311	1.00	0.330 g	10.0	1.49
Toluene	20,311	1.00	0.400	25.0	3.08
1,2-Dibromoethane (EDB)	20,311	1.00	0.390 g	5.0	0.63
Tetrachloroethene	20,311	1.00	0.410	10.0	1.20
1,1,1,2-Tetrachloroethane	20,311	1.00	0.410 g	10.0	1.20
Chlorobenzene	20,311	1.00	0.850 g	10.0	0.58
Ethylbenzene	20,311	1.00	0.850	25.0	1.45
p & m-Xylene	20,311	1.00	0.880	25.0	1.40
o-Xylene	20,311	1.00	0.880	25.0	1.40
1,2,3-Trichloropropane	20,311	1.00	0.750 g	10.0	0.66
Isopropylbenzene	20,311	1.00	0.830 g	25.0	1.48
1,3,5-Trimethylbenzene	20,311	1.00	0.830 g	25.0	1.48
1,2,4-Trimethylbenzene	20,311	1.00	0.830 g	25.0	1.48
1,3-Dichlorobenzene	20,311	1.00	0.750 g	10.0	0.66
1,4-Dichlorobenzene	20,311	1.00	0.750 g	10.0	0.66
1,2-Dichlorobenzene	20,311	1.00	0.750 g	10.0	0.66
1,2,4-Trichlorobenzene	20,311	1.00	0.390 g	10.0	1.26
Naphthalene	20,311	1.00	0.800 g	25.0	1.54
1,2,3-Trichlorobenzene	20,311	1.00	0.390 g	10.0	1.26
2-Methylnaphthalene	20,311	1.00	0.760 g	25.0	1.62
TPH C4-C9	20,311	1.00	0.590 g	5,000.0	417
TPH C10-C15	20,311	1.00	0.690 g	5,000.0	357

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Laboratory Certification List

Certification ID	Certification No.	Description	Expires	Project Required
Alaska CS-LAP	19-002	Alaska Department of Environmental Conservation	12/30/2024	
DoD-ELAP	72690/L22-563	United States Department of Defense Environmental Laboratory Accreditation	11/30/2024	
ISO/IEC 17025:2017	72690/L22-563	General Requirements for the Competence of Testing and Calibration Laboratories	11/30/2024	
NEFAP	72690/L22-564	TNI National Environmental Field Activities Program (NEFAP)	11/30/2024	
NY-NELAC	12097	New York Department of Health	04/01/2024	
Utah-NELAC	MD010912022-12	Utah Department of Health	12/31/2023	

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Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Qualifiers/Notes and Definitions

General Definitions:

DF	Dilution Factor
DL	Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
NA	Not Applicable
Q	Qualifier
RPD	Relative Percent Difference
RT	Retention Times in Minutes
RRT	Evaluation of Relative Retention Times in RRT Units (qualified if outside $\pm$0.06 control limits)
3σ	Uncertainty
∉	Compound not on scope of accreditation
+	values are outside method/contract required QC limits
∅	Compound not on scope of accreditation and analyzed with a one-point calibration

Sample/Sample Receipt Qualifiers and Notes:

D	Dilution required to report within calibration Limits.
I4	Sample size overwhelmed pressure during injection causing internal standard recoveries outside control limits, surrogate recoveries are acceptable, confirming reported results not biased.
S4	Matrix interference caused surrogate recovery outside control limits.

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CERTIFICATE OF ANALYSIS

Roux Associates, Inc.	**Site Name:** AB&I Foundry	**Beacon Proposal:** 230508R02
555 12th Street, Suite 250	**Site Location:** Oakland, CA	**Lab Work Order:** 0007137
Oakland, CA 94607	**Project Manager:** Harold C. Rush	**Reported:** 08/22/2023

Sample Management Records

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PASSIVE SOIL GAS SAMPLES | CHAIN-OF-CUSTODY

Project Information		Client Information	
Site Name: ABDI foundry		Company Name: Roux Associates	Project Manager: Harold Rush
		Office Location: 555 12th St, suite 250, Oakland, CA	Client PO: ~~3815 2000193338 1793.0845000~~ 1793.0080
Site Location: 7825 San Leandro St, Oakland, CA 94621		Submitted by: Anneke Vonk	Turn around time (check one):
		Email: avonk@rouxinc.com	☒ Normal ☐ Rush (specify) ____ days

Field Sample ID	Start Date	Start Time	Stop Date	Stop Time	Sampling Hole Depth ☐ cm ☒ inches	Surface Type (Soil, Asphalt, Concrete, Gravel)	Optional Information (Location Description, Sample Condition, PID / FID Readings, etc)
PSG-01	7-24-23	0809	8/8/23	0829	44	concrete	
PSG-02	7-24-23	0835	8/8/23	0835	46	concrete	
PSG-14	7-24-23	0915	8/8/23	0900	42	concrete	
PSG-15	7-24-23	0937	8/8/23	0906	~~conc~~ 42	concrete	
PSG-27	7-24-23	0955	8/8/23	0911	46	concrete	
PSG-39	7-24-23	1015	8/8/23	0916	46	concrete	
PSG-53	7-24-23	1145	8/8/23	0940	47	concrete	
PSG-54	7-24-23	1155	8/8/23	0945	46	concrete	
PSG-55	7-24-23	1210	8/8/23	0959	46	concrete	
PSG-56	7-24-23	1220	8/8/23	1009	43	Asphalt	
PSG-05	7-24-23	1335	8/8/23	1043	48	Asphalt	
PSG-18	7-24-23	1350	8/8/23	1047	48	Asphalt	
PSG-06	7-24-23	1355	8/8/23	1055	46	Asphalt	
PSG-07	7-24-23	1405	8/8/23	1102	47	Asphalt	
PSG-08	7-24-23	1420	8/8/23	1106	48	Asphalt	

Special Instructions: The reporting limit for 1,2-Dibromoethane will be 5 nanograms, which is equivalent to 0.644 µg with a 14 day sampling period.

Relinquished by (signature):	Date / Time: 8/10/23 - 0458	Received by (signature): Nicole Reifer	Date / Time: 8/11/23 11:30
Relinquished by (signature):	Date / Time:	Received by (signature):	Date / Time:
For Lab Use Only	Beacon Job No: 7137	Beacon Proposal: 230508R02	Analytical Method:
Courier Name: FedEx	Shipment Condition: Good	Custody Seal Intact: ☒ Yes ☐ No ☐ n/a	Custody Seal No: 5504068

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PASSIVE SOIL GAS SAMPLES | CHAIN-OF-CUSTODY

Project Information		Client Information	
Site Name: ABRI foundry		Company Name: Roux Associates	Project Manager: Harold Rush
		Office Location: 555 12th St. suite 280, Oakland, CA	Client PO: ~~1793.0245000~~ 1793.0030
Site Location: 7825 San Leandro St. Oakland, CA 94621		Submitted by: Anneke Vonk	Turn around time (check one): ☒ Normal ☐ Rush (specify) ____ days
		Email: avonk@rouxinc.com	

Field Sample ID	Start Date	Start Time	Stop Date	Stop Time	Sampling Hole Depth ☐ cm ☒ inches	Surface Type (Soil, Asphalt, Concrete, Gravel)	Optional Information (Location Description, Sample Condition, PID / FID Readings, etc)
PSG-19	7-24-23	1435	8/8/23	1129	48	Asphalt	
PSG-30	7-25-23	0835	8/8/23	1316	48	Asphalt	
PSG-44	7-25-23	0840	8/8/23	1259	48	Asphalt	
PSG-21	7-25-23	0858	8/8/23	1305	44	concrete	
PSG-20	7-25-23	0909	8/8/23	1310	44	concrete	
PSG-32	7-25-23	0920	8/8/23	1315	44	concrete	
PSG-33	7-25-23	0938	8/8/23	1325	48	concrete	
PSG-31	7-25-23	0950	8/8/23	1330	48	concrete	
PSG-45	7-25-23	0958	8/8/23	1336	48	concrete	
PSG-46	7-25-23	1009	8/8/23	1339	48	concrete	
PSG-04	7-25-23	1018	8/8/23	1418	42	concrete	
PSG-03	7-25-23	1029	8/8/23	1421	42	concrete	
PSG-58	7-25-23	1052	8/8/23	1438	42	soil	soil cap was missing upon retrieval
PSG-57	7-25-23	1104	8/8/23	1442	42	soil	soil cap was missing upon retrieval
PSG-59	7-25-23	1115	8/8/23	1452	44	concrete	
PSG-61	7-25-23	1128	8/8/23	1809	44	concrete	
PSG-62	7-25-23	1140	8/8/23	1518	44	concrete	
PSG-63	7-25-23	1245	8/8/23	1522	44	concrete	
PSG-64	7-25-23	1255	8/8/23	1526	44	concrete	
PSG-62	7-25-23	1302	8/8/23	1530	44	concrete	

Special Instructions:

For Lab Use Only	Beacon Job No: 7137	Beacon Proposal: 230508R02	Analytical Method:

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PASSIVE SOIL GAS SAMPLES | CHAIN-OF-CUSTODY

Project Information		Client Information	
Site Name: ABRI foundry		Company Name: Rowe Associates	Project Manager: Harold Rush
		Office Location: 555 12th St, Suite 250, Oakland, CA	Client PO: ~~1793.0295000~~ 1793.0030
Site Location: 7825 San Leandro St, Oakland, CA		Submitted by: Anneke Vonk	Turn around time (check one):
		Email: avonk@rowine.com	☒ Normal ☐ Rush (specify) ____ days

Field Sample ID	Start Date	Start Time	Stop Date	Stop Time	Sampling Hole Depth ☐ cm ☒ inches	Surface Type (Soil, Asphalt, Concrete, Gravel)	Optional Information (Location Description, Sample Condition, PID / FID Readings, etc)
PSG -51	7-25-23	1315	8/8/23	1536	44	concrete	
PSG -29	7-25-23	1322	8/8/23	1554	42	concrete	
PSG -38	7-25-23	1325	8/8/23	1608	44	concrete	
PSG -28	7-25-23	1335	8/8/23	1618	44	concrete	
PSG -26	7-25-23	1431	8/8/23	1632	44	concrete	
PSG -25	7-25-23	1441	8/8/23	1644	44	concrete	
PSG -37	7-25-23	1524	8/8/23	1647	44	concrete	
PSG -13	7-26-23	0840	8/9/23	1330	44	concrete	
PSG -12	7-26-23	0850	8/9/23	1333	44	concrete	
PSG -16	7-26-23	1340	8/9/23	1349	42	concrete	
PSG -17	7-26-23	1345	8/9/23	1351	42	concrete	
PSG -43	7-26-23	1400	8/9/23	1405	42	concrete	
PSG -41	7-26-23	1406	8/9/23	1413	42	concrete	
PSG -42	7-26-23	1410	8/9/23	1417	42	concrete	
PSG -40	7-26-23	1415	8/9/23	1419	42	concrete	
PSG -47	7-26-23	1422	8/9/23	1441	46	concrete	
PSG -22	7-26-23	1430	8/9/23	1447	42	concrete	
PSG -49	7-26-23	1439	8/9/23	1718	48	concrete	
PSG -34	7-26-23	1440	8/9/23	1507	44	concrete	
PSG -35	7-26-23	1443	8/9/23	1515	42	concrete	

Special Instructions:

For Lab Use Only	Beacon Job No: 7137	Beacon Proposal: 230508R02	Analytical Method:

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PASSIVE SOIL GAS SAMPLES | CHAIN-OF-CUSTODY

Project Information

Site Name: ABI foundry

Site Location: 7829 San Leandro St, Oakland, CA

Client Information

Company Name: Rowe Associates

Office Location: 525 12th St, suite 250, Oakland

Submitted by: Annelee Vonk

Email: avonk@rowxinc.com

Project Manager: Harold Rush

Client PO: ~~1793.029S000~~ 1793.0030

Turn around time (check one): [X] Normal [ ] Rush (specify) ____ days

Field Sample ID	Start Date	Start Time	Stop Date	Stop Time	Sampling Hole Depth [ ] cm [X] inches	Surface Type (Soil, Asphalt, Concrete, Gravel)	Optional Information (Location Description, Sample Condition, PID / FID Readings, etc)
PSG-48	7-26-23	1454	8/9/23	1520	46	concrete	
PSG-23	7-26-23	1509	8/9/23	1525	44	concrete	
PSG-24	7-26-23	1515	8/9/23	1528	50	concrete	
PSG-36	7-26-23	1524	8/9/23	1534	42	concrete	
PSG-50	7-26-23	1535	8/9/23	1539	42	concrete	
PSG-60	7-26-23	1552	8/9/23	1727	46	concrete	
PSG-09	7-26-23	1600	8/9/23	1629	44	concrete	
PSG-10	7-26-23	1619	8/9/23	1637	42	concrete	
PSG-11	7-26-23	1629	8/9/23	1650	44	concrete	
PSG-15-Dup	7-24-23	0937	8/8/23	0906	42	concrete	duplicate sample
PSG-43-Dup	7-26-23	1400	8/9/23	1405	42	concrete	duplicate sample
PSG-20-Dup	7-25-23	0909	8/8/23	1310	44	concrete	duplicate sample
PSG-35-Dup	7-26-23	1443	8/9/23	1515	42	concrete	duplicate sample
PSG-61-Dup	7-25-23	1128	8/8/23	1505	44	concrete	duplicate sample
PSG-25-Dup	7-25-23	1441	8/8/23	1644	44	concrete	duplicate sample
Trip 1							trip blank

Special Instructions:

For Lab Use Only | Beacon Job No: 7137 | Beacon Proposal: 230508R02 | Analytical Method:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

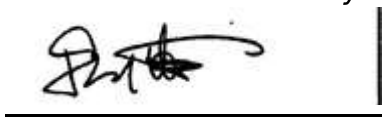
Lab Job Number: 489228
Report Level: II
Report Date: 08/03/2023

Analytical Report *prepared for:*

Richard Maxwell
Roux Associates
555 12th Street
Suite 250
Oakland, CA 94607

Project: 1793.0030S000 - AB&I Foundry

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Richard Maxwell
Roux Associates
555 12th Street
Suite 250
Oakland, CA 94607

Lab Job #:	489228
Project No:	1793.0030S000
Location:	AB&I Foundry
Date Received:	07/26/23

Sample ID	Lab ID	Collected	Matrix
MW-10-5.0	489228-001	07/26/23 09:40	Soil
MW-10-10.0	489228-002	07/26/23 09:45	Soil
MW-10-15.0	489228-003	07/26/23 10:00	Soil
MW-11-5.0	489228-004	07/25/23 14:00	Soil
MW-11-10.0	489228-005	07/25/23 14:05	Soil
MW-11-14.0	489228-006	07/25/23 14:39	Soil
MW-11-15.0	489228-007	07/25/23 14:26	Soil
MW-12-5.0	489228-008	07/25/23 09:05	Soil
MW-12-10.0	489228-009	07/25/23 09:15	Soil
MW-12-15.0	489228-010	07/25/23 09:22	Soil
MW-12-20.0	489228-011	07/25/23 09:36	Soil
MW-12-25.0	489228-012	07/25/23 09:43	Soil

ENTHALPY ANALYTICAL

Case Narrative

Roux Associates 555 12th Street Suite 250 Oakland, CA 94607 Richard Maxwell	Lab Job Number: 489228 Project No: 1793.0030S000 Location: AB&I Foundry Date Received: 07/26/23

This data package contains sample and QC results for twelve soil samples, requested for the above referenced project on 07/26/23. The samples were received cold and intact.

TPH-Extractables by GC (EPA 8015M):

- MW-12-5.0 (lab # 489228-008) was diluted due to the dark color of the sample extract.
- No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):

- MW-11-14.0 (lab # 489228-006) was diluted due to high hydrocarbons.
- No other analytical problems were encountered.

Metals (EPA 6020 and EPA 7471A):

- Low recoveries were observed for antimony in the MS/MSD of MW-10-5.0 (lab # 489228-001); the LCS was within limits, and the associated RPD was within limits. High recoveries were observed for barium; the LCS was within limits, and the associated RPD was within limits.
- No other analytical problems were encountered.

ENTHALPY ANALYTICAL

Detection Summary

Richard Maxwell
Roux Associates
555 12th Street
Suite 250
Oakland, CA 94607

Lab Job #: 489228
Project No: 1793.0030S000
Location: AB&I Foundry
Date Received: 07/26/23

Sample ID: MW-10-5.0 **Lab ID: 489228-001** **Collected: 07/26/23 09:40**
Matrix: Soil

489228-001 Analyte	Result	Qual	Units	RL
Method: EPA 6020 Prep Method: EPA 3050B				
Arsenic	**7.2**		mg/Kg	0.96
Barium	**260**		mg/Kg	9.6
Chromium	**67**		mg/Kg	0.96
Cobalt	**10**		mg/Kg	0.96
Copper	**37**		mg/Kg	0.96
Lead	**10**		mg/Kg	0.48
Nickel	**56**		mg/Kg	0.96
Vanadium	**66**		mg/Kg	1.9
Zinc	**74**		mg/Kg	4.8

Sample ID: MW-10-10.0 **Lab ID: 489228-002** **Collected: 07/26/23 09:45**
Matrix: Soil

489228-002 Analyte	Result	Qual	Units	RL
Method: EPA 6020 Prep Method: EPA 3050B				
Arsenic	**8.4**		mg/Kg	0.97
Barium	**290**		mg/Kg	0.97
Chromium	**67**		mg/Kg	0.97
Cobalt	**12**		mg/Kg	0.97
Copper	**34**		mg/Kg	0.97
Lead	**9.1**		mg/Kg	0.49
Nickel	**57**		mg/Kg	0.97
Vanadium	**66**		mg/Kg	1.9
Zinc	**69**		mg/Kg	4.9

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: MW-10-15.0	Lab ID: 489228-003	Collected: 07/26/23 10:00
	Matrix: Soil	

489228-003 Analyte	Result	Qual	Units	RL
Method: EPA 6020 Prep Method: EPA 3050B				
Arsenic	**4.9**		mg/Kg	0.95
Barium	**170**		mg/Kg	0.95
Chromium	**57**		mg/Kg	0.95
Cobalt	**13**		mg/Kg	0.95
Copper	**23**		mg/Kg	0.95
Lead	**8.4**		mg/Kg	0.48
Nickel	**66**		mg/Kg	0.95
Vanadium	**42**		mg/Kg	1.9
Zinc	**48**		mg/Kg	4.8

Sample ID: MW-11-5.0	Lab ID: 489228-004	Collected: 07/25/23 14:00
	Matrix: Soil	

489228-004 Analyte	Result	Qual	Units	RL
Method: EPA 6020 Prep Method: EPA 3050B				
Arsenic	**9.4**		mg/Kg	0.99
Barium	**300**		mg/Kg	0.99
Cadmium	**3.0**		mg/Kg	0.50
Chromium	**89**		mg/Kg	0.99
Cobalt	**34**		mg/Kg	0.99
Copper	**49**		mg/Kg	0.99
Lead	**76**		mg/Kg	0.50
Nickel	**220**		mg/Kg	0.99
Vanadium	**70**		mg/Kg	2.0
Zinc	**2,200**		mg/Kg	99
Method: EPA 7471A Prep Method: METHOD				
Mercury	**0.20**		mg/Kg	0.14
Method: EPA 8015M Prep Method: EPA 3580M				
DRO C10-C28	**21**		mg/Kg	10
ORO C28-C44	**63**		mg/Kg	20

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: MW-11-10.0	Lab ID: 489228-005	Collected: 07/25/23 14:05
	Matrix: Soil	

489228-005 Analyte	Result	Qual	Units	RL
Method: EPA 6020 Prep Method: EPA 3050B				
Arsenic	**5.1**		mg/Kg	0.97
Barium	**320**		mg/Kg	0.97
Chromium	**59**		mg/Kg	0.97
Cobalt	**9.5**		mg/Kg	0.97
Copper	**34**		mg/Kg	0.97
Lead	**15**		mg/Kg	0.49
Nickel	**55**		mg/Kg	0.97
Vanadium	**47**		mg/Kg	1.9
Zinc	**78**		mg/Kg	4.9

Sample ID: MW-11-14.0	Lab ID: 489228-006	Collected: 07/25/23 14:39
	Matrix: Soil	

489228-006 Analyte	Result	Qual	Units	RL
Method: EPA 6020 Prep Method: EPA 3050B				
Arsenic	**6.7**		mg/Kg	0.97
Barium	**170**		mg/Kg	0.97
Chromium	**39**		mg/Kg	0.97
Cobalt	**15**		mg/Kg	0.97
Copper	**27**		mg/Kg	0.97
Lead	**13**		mg/Kg	0.49
Nickel	**49**		mg/Kg	0.97
Vanadium	**50**		mg/Kg	1.9
Zinc	**55**		mg/Kg	4.9
Method: EPA 8260B Prep Method: EPA 5030B				
TPH Gasoline	**59**		mg/Kg	50

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: MW-11-15.0	Lab ID: 489228-007	Collected: 07/25/23 14:26
	Matrix: Soil	

489228-007 Analyte	Result	Qual	Units	RL
Method: EPA 6020 Prep Method: EPA 3050B				
Arsenic	**3.8**		mg/Kg	0.96
Barium	**190**		mg/Kg	0.96
Chromium	**53**		mg/Kg	0.96
Cobalt	**12**		mg/Kg	0.96
Copper	**22**		mg/Kg	0.96
Lead	**8.5**		mg/Kg	0.48
Nickel	**72**		mg/Kg	0.96
Vanadium	**34**		mg/Kg	1.9
Zinc	**54**		mg/Kg	4.8
Method: EPA 8260B Prep Method: EPA 5035				
TPH Gasoline	**79**		mg/Kg	50
Propylbenzene	**400**		ug/Kg	250

Sample ID: MW-12-5.0	Lab ID: 489228-008	Collected: 07/25/23 09:05
	Matrix: Soil	

489228-008 Analyte	Result	Qual	Units	RL
Method: EPA 6020 Prep Method: EPA 3050B				
Arsenic	**2.8**		mg/Kg	0.96
Barium	**260**		mg/Kg	0.96
Cadmium	**0.75**		mg/Kg	0.48
Chromium	**28**		mg/Kg	0.96
Cobalt	**6.3**		mg/Kg	0.96
Copper	**21**		mg/Kg	0.96
Lead	**81**		mg/Kg	0.48
Nickel	**28**		mg/Kg	0.96
Vanadium	**24**		mg/Kg	1.9
Zinc	**590**		mg/Kg	96
Method: EPA 8015M Prep Method: EPA 3580M				
DRO C10-C28	**50**		mg/Kg	20
ORO C28-C44	**150**		mg/Kg	40

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: MW-12-10.0	Lab ID: 489228-009	Collected: 07/25/23 09:15
	Matrix: Soil	

489228-009 Analyte	Result	Qual	Units	RL
Method: EPA 6020 Prep Method: EPA 3050B				
Arsenic	**6.5**		mg/Kg	0.95
Barium	**300**		mg/Kg	0.95
Chromium	**66**		mg/Kg	0.95
Cobalt	**18**		mg/Kg	0.95
Copper	**34**		mg/Kg	0.95
Lead	**17**		mg/Kg	0.48
Nickel	**60**		mg/Kg	0.95
Vanadium	**59**		mg/Kg	1.9
Zinc	**69**		mg/Kg	4.8
Method: EPA 7471A Prep Method: METHOD				
Mercury	**0.19**		mg/Kg	0.16
Method: EPA 8260B Prep Method: EPA 5035				
Vinyl Chloride	**9.1**		ug/Kg	3.2

Sample ID: MW-12-15.0	Lab ID: 489228-010	Collected: 07/25/23 09:22
	Matrix: Soil	

489228-010 Analyte	Result	Qual	Units	RL
Method: EPA 6020 Prep Method: EPA 3050B				
Arsenic	**6.6**		mg/Kg	0.98
Barium	**130**		mg/Kg	0.98
Chromium	**52**		mg/Kg	0.98
Cobalt	**12**		mg/Kg	0.98
Copper	**24**		mg/Kg	0.98
Lead	**11**		mg/Kg	0.49
Nickel	**62**		mg/Kg	0.98
Vanadium	**44**		mg/Kg	2.0
Zinc	**53**		mg/Kg	4.9
Method: EPA 8260B Prep Method: EPA 5035				
1,1-Dichloroethene	**19**		ug/Kg	3.6

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: MW-12-20.0	Lab ID: 489228-011	Collected: 07/25/23 09:36
	Matrix: Soil	

489228-011 Analyte	Result	Qual	Units	RL
Method: EPA 6020 Prep Method: EPA 3050B				
Arsenic	**7.3**		mg/Kg	0.95
Barium	**200**		mg/Kg	0.95
Chromium	**52**		mg/Kg	0.95
Cobalt	**13**		mg/Kg	0.95
Copper	**23**		mg/Kg	0.95
Lead	**11**		mg/Kg	0.48
Nickel	**56**		mg/Kg	0.95
Vanadium	**46**		mg/Kg	1.9
Zinc	**52**		mg/Kg	4.8
Method: EPA 8260B Prep Method: EPA 5035				
1,1-Dichloroethene	**57**		ug/Kg	3.2

Sample ID: MW-12-25.0	Lab ID: 489228-012	Collected: 07/25/23 09:43
	Matrix: Soil	

489228-012 Analyte	Result	Qual	Units	RL
Method: EPA 6020 Prep Method: EPA 3050B				
Arsenic	**16**		mg/Kg	0.97
Barium	**210**		mg/Kg	0.97
Chromium	**56**		mg/Kg	0.97
Cobalt	**15**		mg/Kg	0.97
Copper	**39**		mg/Kg	0.97
Lead	**17**		mg/Kg	0.49
Nickel	**61**		mg/Kg	0.97
Vanadium	**75**		mg/Kg	1.9
Zinc	**90**		mg/Kg	4.9
Method: EPA 8260B Prep Method: EPA 5035				
1,1-Dichloroethene	**28**		ug/Kg	3.2

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY

Chain of Custody Record

Lab No: 489228

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Berkeley

2323 5th Street, Berkeley, CA 94710

Phone 510-486-0900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	ROUX	Name:	ABR1
Report To:	rmaxwell@rouxinc.com hrush@rouxinc.com	Number:	1793.00305
Email:	R. Maxwell & H. Rush	P.O. #:	
Address:	556 12th street, suite 250	Address:	7825 San Leandro Street,
	Oakland, California CA		Oakland, CA
Phone:	(415) 967-6035	Global ID:	
		Sampled By:	J. Agnayo & A. Vonk. EA

Analysis Request

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs via USEPA method 8260B.	TPH-g, TPH-d & TPH-mo by USEPA method 8260B / 8015.	CAM 17 metals USEPA method 6020.	Test Instructions / Comments
1	MW-10-5.0	7/26/23	0940	S	4	6	X	X	X	
2	MW-10-10.0	7/26/23	0945				X	X	X	
3	MW-10-15.0	7/26/23	1000.				X	X	X	
4	MW-11-5.0	7/25/23	1400				X	X	X	
5	MW-11-10.0		1405				X	X	X	
6	MW-11-14.0		1439				X	X	X	
7	MW-11-15.0		1426				X	X	X	
8	MW-12-5.0.		0905 EA				X	X	X	
9	MW-12-10.0		0915				X	X	X	
10	MW-12-15.0.		0922				X	X	X	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Jessica Agnayo	ROUX / staff geologist II	07/26/23 1355
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	7/26/23 13:55
2 Relinquished By:	Audrey Hudson	"	"	7/26/23 14:40
2 Received By:			EA	7/26/23 14:40
3 Relinquished By:			EA	7-26-23 15:38
3 Received By:			EA	7/27/23 0820

ENTHALPY

Chain of Custody Record

Lab No: 489228

Page: 2 of 2.

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Berkeley

2323 5th Street, Berkeley, CA 94710

Phone 510-486-0900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	ROUX	Name:	ABKI
Report To:	Richard Maxwell + Harold Rush.	Number:	1793.003.05.
Email:	rmaxwell@rouxinc.com & hrush@rouxinc.com	P.O. #:	
Address:	555 12th street, suite 250	Address:	7828 San Leandro Street
	Oakland CA.		Oakland CA
Phone:	(415) 967-6035.	Global ID:	
		Sampled By:	J. Aguayo & A. Vonk.

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs by 8260B	TPH-g, TPH-d + TPH-mo by 8260B	8015.	CAM 17 by 6010.	Analysis Request	Test Instructions / Comments
1	MW-12-20.0	7/25/23	0936.	S	4	6	X	X		X		
2	MW-12-~~0045~~ 25.0.	7/25/23	0943.	S	4	6	X	X		X		
3												
4												
5												
6												
7												
8												
9												
10												

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Jessica Aguayo	ROUX / staff Geologist	7/26/23 1355.
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	7/26/23 13:55
2 Relinquished By:	Audrey Hudson	"	"	7/26/23 14:40
2 Received By:				7/26/23 14:40
3 Relinquished By:		Amina Hart	EA	7-26-23 15:38
3 Received By:			EA	7/27/23 0820

ENTHALPY ANALYTICAL

489228

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Roux Associates Project: AB&I Foundry

Date Received: 07/27/23 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.1 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Southwest Airlines

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.4 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?	✔		
If custody seals are present, were they intact?	✔		
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

NO FREE-FLOWING LIQUID WAS OBSERVED ON MEOH VIALS OF SAMPLE -007 AND -010

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: JUL 27 2023

SAMPLE RECEIPT CHECKLIST

ENTHALPY

Section 1: General Info

Date Received: 7/26/23 Login # 489228 Client: Roux

Section 2: Shipping / Custody

Shipping Info: _____

Are custody seals present? ø No o Yes If yes, where? o on cooler, o on samples, o on package

Custody seals intact on arrival? □ Yes □ No □ N/A Date: _____ # of seals ____ □ Signature □ Initials

Section 3: Condition / Packaging ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen**

Date Opened 7-26-23 By (print) ARH (sign) ARH

o Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)

If no cooler: Sample Temp (°C): _____

How many coolers? 1 Temp (°C): #1: 5.2 #2: _____ #3: _____ #4: _____ #5: _____ #6: _____

Temperature measured using o Thermometer ID: _____, or IR Gun # ø B o C

Type of ice used : ø Wet, o Blue/Gel, o None Temperature blank(s) included? □ Yes, □ No

Section 4: Containers / Labels / Samples	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable?	✓		
Were Method 5035 sampling containers present? Transferred to freezer @:	✓		
Did all containers arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?		✓	
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			
Was the client contacted about this delivery? Contacted: _____ By: _____ Date:		✓	

Section 5: Preservatives	YES	NO	N/A
Are the samples appropriately preserved? (if yes, skip the rest of section 5)			
Did any samples / containers require preservation upon receipt?			
Did you document your preservative check in the bench book?			

Preservative added:

o H2SO4 lot#	added to samples	Date/Time
o HCL lot#	added to samples	Date/Time
o HNO3 lot#	added to samples	Date/Time
o CrVI Buffer lot#	added to samples	Date/Time

Section 6: Explanations / Comments

COC lists 4 containers per sample, 5 included and labeled per sample

Date Logged 7/26/23 By (print) M (sign)

Date Labeled 7-26-23 By (print) ARH (sign) ARH


SOUTHWEST AIRLINES
Printed on:
26 JUL 18:48
526 OAK 9117 7236
SNA
PC# 2 OF 5
DG G
LOT WT 185 LB (84.0 KG)
OAK WN 2872 26 JUL 20:25
STN FLT DATE ETD LOT 01
PC ID: 0002
PC WT: 37LB
526 91177236 0002
S

@ 8:20

2.4 | 3.1

ENTHALPY ANALYTICAL

Extractable Carbon Chain

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-10-5.0 **Diln Fac:** 1.000 **Analyzed:** 07/28/23
Type: SAMPLE **Batch#:** 319167 **Prep:** EPA 3580M
Lab ID: 489228-001 **Sampled:** 07/26/23 **Analysis:** EPA 8015M
Matrix: Soil **Received:** 07/26/23 **Analyst:** BJG
Basis: as received **Prepared:** 07/28/23

489228-001 Analyte	Result	RL	Units
DRO C10-C28	ND	9.9	mg/Kg
ORO C28-C44	ND	20	mg/Kg

489228-001 Surrogate	%REC	Limits
n-Triacontane	110	70-130

Field ID: MW-10-10.0 **Diln Fac:** 1.000 **Analyzed:** 07/28/23
Type: SAMPLE **Batch#:** 319167 **Prep:** EPA 3580M
Lab ID: 489228-002 **Sampled:** 07/26/23 **Analysis:** EPA 8015M
Matrix: Soil **Received:** 07/26/23 **Analyst:** BJG
Basis: as received **Prepared:** 07/28/23

489228-002 Analyte	Result	RL	Units
DRO C10-C28	ND	9.9	mg/Kg
ORO C28-C44	ND	20	mg/Kg

489228-002 Surrogate	%REC	Limits
n-Triacontane	107	70-130

Field ID: MW-10-15.0 **Diln Fac:** 1.000 **Analyzed:** 07/28/23
Type: SAMPLE **Batch#:** 319167 **Prep:** EPA 3580M
Lab ID: 489228-003 **Sampled:** 07/26/23 **Analysis:** EPA 8015M
Matrix: Soil **Received:** 07/26/23 **Analyst:** BJG
Basis: as received **Prepared:** 07/28/23

489228-003 Analyte	Result	RL	Units
DRO C10-C28	ND	10	mg/Kg
ORO C28-C44	ND	20	mg/Kg

489228-003 Surrogate	%REC	Limits
n-Triacontane	110	70-130

ENTHALPY ANALYTICAL

Extractable Carbon Chain

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-11-5.0 **Diln Fac:** 1.000 **Analyzed:** 07/29/23
Type: SAMPLE **Batch#:** 319167 **Prep:** EPA 3580M
Lab ID: 489228-004 **Sampled:** 07/25/23 **Analysis:** EPA 8015M
Matrix: Soil **Received:** 07/26/23 **Analyst:** SME
Basis: as received **Prepared:** 07/28/23

489228-004 Analyte	Result	RL	Units
DRO C10-C28	**21**	10	mg/Kg
ORO C28-C44	**63**	20	mg/Kg

489228-004 Surrogate	%REC	Limits
n-Triacontane	97	70-130

Field ID: MW-11-10.0 **Diln Fac:** 1.000 **Analyzed:** 07/28/23
Type: SAMPLE **Batch#:** 319167 **Prep:** EPA 3580M
Lab ID: 489228-005 **Sampled:** 07/25/23 **Analysis:** EPA 8015M
Matrix: Soil **Received:** 07/26/23 **Analyst:** BJG
Basis: as received **Prepared:** 07/28/23

489228-005 Analyte	Result	RL	Units
DRO C10-C28	ND	10	mg/Kg
ORO C28-C44	ND	20	mg/Kg

489228-005 Surrogate	%REC	Limits
n-Triacontane	107	70-130

Field ID: MW-11-14.0 **Diln Fac:** 1.000 **Analyzed:** 07/28/23
Type: SAMPLE **Batch#:** 319167 **Prep:** EPA 3580M
Lab ID: 489228-006 **Sampled:** 07/25/23 **Analysis:** EPA 8015M
Matrix: Soil **Received:** 07/26/23 **Analyst:** BJG
Basis: as received **Prepared:** 07/28/23

489228-006 Analyte	Result	RL	Units
DRO C10-C28	ND	9.9	mg/Kg
ORO C28-C44	ND	20	mg/Kg

489228-006 Surrogate	%REC	Limits
n-Triacontane	113	70-130

ENTHALPY ANALYTICAL

Extractable Carbon Chain

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-11-15.0 **Diln Fac:** 1.000 **Analyzed:** 07/29/23
Type: SAMPLE **Batch#:** 319167 **Prep:** EPA 3580M
Lab ID: 489228-007 **Sampled:** 07/25/23 **Analysis:** EPA 8015M
Matrix: Soil **Received:** 07/26/23 **Analyst:** BJG
Basis: as received **Prepared:** 07/28/23

489228-007 Analyte	Result	RL	Units
DRO C10-C28	ND	9.9	mg/Kg
ORO C28-C44	ND	20	mg/Kg

489228-007 Surrogate	%REC	Limits
n-Triacontane	106	70-130

Field ID: MW-12-5.0 **Diln Fac:** 2.000 **Analyzed:** 07/29/23
Type: SAMPLE **Batch#:** 319167 **Prep:** EPA 3580M
Lab ID: 489228-008 **Sampled:** 07/25/23 **Analysis:** EPA 8015M
Matrix: Soil **Received:** 07/26/23 **Analyst:** SME
Basis: as received **Prepared:** 07/28/23

489228-008 Analyte	Result	RL	Units
DRO C10-C28	**50**	20	mg/Kg
ORO C28-C44	**150**	40	mg/Kg

489228-008 Surrogate	%REC	Limits
n-Triacontane	87	70-130

Field ID: MW-12-10.0 **Diln Fac:** 1.000 **Analyzed:** 07/29/23
Type: SAMPLE **Batch#:** 319167 **Prep:** EPA 3580M
Lab ID: 489228-009 **Sampled:** 07/25/23 **Analysis:** EPA 8015M
Matrix: Soil **Received:** 07/26/23 **Analyst:** BJG
Basis: as received **Prepared:** 07/28/23

489228-009 Analyte	Result	RL	Units
DRO C10-C28	ND	10	mg/Kg
ORO C28-C44	ND	20	mg/Kg

489228-009 Surrogate	%REC	Limits
n-Triacontane	114	70-130

ENTHALPY ANALYTICAL

Extractable Carbon Chain

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-12-15.0 **Diln Fac:** 1.000 **Analyzed:** 07/29/23
Type: SAMPLE **Batch#:** 319167 **Prep:** EPA 3580M
Lab ID: 489228-010 **Sampled:** 07/25/23 **Analysis:** EPA 8015M
Matrix: Soil **Received:** 07/26/23 **Analyst:** BJG
Basis: as received **Prepared:** 07/28/23

489228-010 Analyte	Result	RL	Units
DRO C10-C28	ND	9.9	mg/Kg
ORO C28-C44	ND	20	mg/Kg

489228-010 Surrogate	%REC	Limits
n-Triacontane	107	70-130

Field ID: MW-12-20.0 **Diln Fac:** 1.000 **Analyzed:** 07/29/23
Type: SAMPLE **Batch#:** 319167 **Prep:** EPA 3580M
Lab ID: 489228-011 **Sampled:** 07/25/23 **Analysis:** EPA 8015M
Matrix: Soil **Received:** 07/26/23 **Analyst:** BJG
Basis: as received **Prepared:** 07/28/23

489228-011 Analyte	Result	RL	Units
DRO C10-C28	ND	10	mg/Kg
ORO C28-C44	ND	20	mg/Kg

489228-011 Surrogate	%REC	Limits
n-Triacontane	112	70-130

Field ID: MW-12-25.0 **Diln Fac:** 1.000 **Analyzed:** 07/29/23
Type: SAMPLE **Batch#:** 319167 **Prep:** EPA 3580M
Lab ID: 489228-012 **Sampled:** 07/25/23 **Analysis:** EPA 8015M
Matrix: Soil **Received:** 07/26/23 **Analyst:** BJG
Basis: as received **Prepared:** 07/28/23

489228-012 Analyte	Result	RL	Units
DRO C10-C28	ND	10	mg/Kg
ORO C28-C44	ND	20	mg/Kg

489228-012 Surrogate	%REC	Limits
n-Triacontane	110	70-130

ENTHALPY ANALYTICAL

Extractable Carbon Chain

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: BLANK **Batch#:** 319167 **Analysis:** EPA 8015M

Lab ID: QC1083042 **Prepared:** 07/28/23 **Analyst:** BJG

Matrix: Soil **Analyzed:** 07/28/23

DilIn Fac: 1.000 **Prep:** EPA 3580M

QC1083042 Analyte	Result	RL	Units
DRO C10-C28	ND	10	mg/Kg
ORO C28-C44	ND	20	mg/Kg

QC1083042 Surrogate	%REC	Limits
n-Triacontane	111	70-130

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Extractable Carbon Chain: Batch QC

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: LCS **Batch#:** 319167 **Analysis:** EPA 8015M

Lab ID: QC1083043 **Prepared:** 07/28/23 **Analyst:** BJG

Matrix: Soil **Analyzed:** 07/28/23

DilIn Fac: 1.000 **Prep:** EPA 3580M

QC1083043 Analyte	Spiked	Result	%REC	Limits	Units
Diesel C10-C28	248.9	254.4	102	76-122	mg/Kg

QC1083043 Surrogate	%REC	Limits
n-Triacontane	112	70-130

ENTHALPY ANALYTICAL

Extractable Carbon Chain: Batch QC

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	ZZZZZZZZZZ	**Basis:**	as received	**Prepared:**	07/28/23
Type:	MS	**Diln Fac:**	1.000	**Analyzed:**	07/28/23
MSS Lab ID:	489270-001	**Batch#:**	319167	**Prep:**	EPA 3580M
Lab ID:	QC1083044	**Sampled:**	07/27/23	**Analysis:**	EPA 8015M
Matrix:	Soil	**Received:**	07/27/23	**Analyst:**	BJG

QC1083044 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
Diesel C10-C28	7.599	248.3	245.2	96	62-126	mg/Kg

QC1083044 Surrogate	%REC	Limits
n-Triacontane	106	70-130

Field ID:	ZZZZZZZZZZ	**Basis:**	as received	**Prepared:**	07/28/23
Type:	MSD	**Diln Fac:**	1.000	**Analyzed:**	07/28/23
MSS Lab ID:	489270-001	**Batch#:**	319167	**Prep:**	EPA 3580M
Lab ID:	QC1083045	**Sampled:**	07/27/23	**Analysis:**	EPA 8015M
Matrix:	Soil	**Received:**	07/27/23	**Analyst:**	BJG

QC1083045 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Diesel C10-C28	248.0	246.5	96	62-126	mg/Kg	1	35

QC1083045 Surrogate	%REC	Limits
n-Triacontane	97	70-130

Legend

RPD: Relative Percent Difference

Enthalpy Analytical - Orange Analytical Report

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	MW-10-5.0	**Diln Fac:**	0.6614	**Analyzed:**	07/28/23
Lab ID:	489228-001	**Batch#:**	319122	**Prep:**	EPA 5035
Matrix:	Soil	**Sampled:**	07/26/23	**Analysis:**	EPA 8260B
Basis:	as received	**Received:**	07/26/23	**Analyst:**	LYZ

489228-001 Analyte	Result	RL	Units
TPH Gasoline	ND	0.7	mg/Kg
1,1-Dichloroethane	ND	3.3	ug/Kg
1,1-Dichloroethene	ND	3.3	ug/Kg
1,1-Dichloropropene	ND	3.3	ug/Kg
1,1,1-Trichloroethane	ND	3.3	ug/Kg
1,1,1,2-Tetrachloroethane	ND	3.3	ug/Kg
1,1,2-Trichloroethane	ND	3.3	ug/Kg
1,1,2,2-Tetrachloroethane	ND	3.3	ug/Kg
1,2-Dibromo-3-Chloropropane	ND	3.3	ug/Kg
1,2-Dibromoethane	ND	3.3	ug/Kg
1,2-Dichlorobenzene	ND	3.3	ug/Kg
1,2-Dichloroethane	ND	3.3	ug/Kg
1,2-Dichloropropane	ND	3.3	ug/Kg
1,2,3-Trichlorobenzene	ND	3.3	ug/Kg
1,2,3-Trichloropropane	ND	3.3	ug/Kg
1,2,4-Trichlorobenzene	ND	3.3	ug/Kg
1,2,4-Trimethylbenzene	ND	3.3	ug/Kg
1,3-Dichlorobenzene	ND	3.3	ug/Kg
1,3-Dichloropropane	ND	3.3	ug/Kg
1,3,5-Trimethylbenzene	ND	3.3	ug/Kg
1,4-Dichlorobenzene	ND	3.3	ug/Kg
2-Butanone	ND	66	ug/Kg
2-Chlorotoluene	ND	3.3	ug/Kg
2,2-Dichloropropane	ND	3.3	ug/Kg
4-Chlorotoluene	ND	3.3	ug/Kg
4-Methyl-2-Pentanone	ND	3.3	ug/Kg
Acetone	ND	66	ug/Kg
Benzene	ND	3.3	ug/Kg
Bromobenzene	ND	3.3	ug/Kg
Bromochloromethane	ND	3.3	ug/Kg
Bromodichloromethane	ND	3.3	ug/Kg
Bromoform	ND	3.3	ug/Kg
Bromomethane	ND	3.3	ug/Kg
Carbon Tetrachloride	ND	3.3	ug/Kg
Chlorobenzene	ND	3.3	ug/Kg
Chloroethane	ND	3.3	ug/Kg
Chloroform	ND	3.3	ug/Kg
Chloromethane	ND	3.3	ug/Kg
cis-1,2-Dichloroethene	ND	3.3	ug/Kg
cis-1,3-Dichloropropene	ND	3.3	ug/Kg
Dibromochloromethane	ND	3.3	ug/Kg

Enthalpy Analytical - Orange Analytical Report

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

489228-001 Analyte	Result	RL	Units
Dibromomethane	ND	3.3	ug/Kg
Ethylbenzene	ND	3.3	ug/Kg
Freon 113	ND	3.3	ug/Kg
Freon 12	ND	3.3	ug/Kg
Hexachlorobutadiene	ND	3.3	ug/Kg
Isopropylbenzene	ND	3.3	ug/Kg
Methylene Chloride	ND	6.6	ug/Kg
MTBE	ND	3.3	ug/Kg
n-Butylbenzene	ND	3.3	ug/Kg
Naphthalene	ND	3.3	ug/Kg
para-Isopropyl Toluene	ND	3.3	ug/Kg
Propylbenzene	ND	3.3	ug/Kg
sec-Butylbenzene	ND	3.3	ug/Kg
Styrene	ND	3.3	ug/Kg
tert-Butylbenzene	ND	3.3	ug/Kg
Tetrachloroethene	ND	3.3	ug/Kg
Toluene	ND	3.3	ug/Kg
trans-1,2-Dichloroethene	ND	3.3	ug/Kg
trans-1,3-Dichloropropene	ND	3.3	ug/Kg
Trichloroethene	ND	3.3	ug/Kg
Trichlorofluoromethane	ND	3.3	ug/Kg
Vinyl Chloride	ND	3.3	ug/Kg
m,p-Xylenes	ND	6.6	ug/Kg
o-Xylene	ND	3.3	ug/Kg

489228-001 Surrogate	%REC	Limits
Dibromofluoromethane	88	70-145
1,2-Dichloroethane-d4	86	70-145
Toluene-d8	95	70-145
Bromofluorobenzene	98	70-145

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	MW-10-10.0	**DiIn Fac:**	0.6378	**Analyzed:**	07/31/23
Lab ID:	489228-002	**Batch#:**	319222	**Prep:**	EPA 5035
Matrix:	Soil	**Sampled:**	07/26/23	**Analysis:**	EPA 8260B
Basis:	as received	**Received:**	07/26/23	**Analyst:**	HMN

489228-002 Analyte	Result	RL	Units
TPH Gasoline	ND	0.6	mg/Kg
1,1-Dichloroethane	ND	3.2	ug/Kg
1,1-Dichloroethene	ND	3.2	ug/Kg
1,1-Dichloropropene	ND	3.2	ug/Kg
1,1,1-Trichloroethane	ND	3.2	ug/Kg
1,1,1,2-Tetrachloroethane	ND	3.2	ug/Kg
1,1,2-Trichloroethane	ND	3.2	ug/Kg
1,1,2,2-Tetrachloroethane	ND	3.2	ug/Kg
1,2-Dibromo-3-Chloropropane	ND	3.2	ug/Kg
1,2-Dibromoethane	ND	3.2	ug/Kg
1,2-Dichlorobenzene	ND	3.2	ug/Kg
1,2-Dichloroethane	ND	3.2	ug/Kg
1,2-Dichloropropane	ND	3.2	ug/Kg
1,2,3-Trichlorobenzene	ND	3.2	ug/Kg
1,2,3-Trichloropropane	ND	3.2	ug/Kg
1,2,4-Trichlorobenzene	ND	3.2	ug/Kg
1,2,4-Trimethylbenzene	ND	3.2	ug/Kg
1,3-Dichlorobenzene	ND	3.2	ug/Kg
1,3-Dichloropropane	ND	3.2	ug/Kg
1,3,5-Trimethylbenzene	ND	3.2	ug/Kg
1,4-Dichlorobenzene	ND	3.2	ug/Kg
2-Butanone	ND	64	ug/Kg
2-Chlorotoluene	ND	3.2	ug/Kg
2,2-Dichloropropane	ND	3.2	ug/Kg
4-Chlorotoluene	ND	3.2	ug/Kg
4-Methyl-2-Pentanone	ND	3.2	ug/Kg
Acetone	ND	64	ug/Kg
Benzene	ND	3.2	ug/Kg
Bromobenzene	ND	3.2	ug/Kg
Bromochloromethane	ND	3.2	ug/Kg
Bromodichloromethane	ND	3.2	ug/Kg
Bromoform	ND	3.2	ug/Kg
Bromomethane	ND	3.2	ug/Kg
Carbon Tetrachloride	ND	3.2	ug/Kg
Chlorobenzene	ND	3.2	ug/Kg
Chloroethane	ND	3.2	ug/Kg
Chloroform	ND	3.2	ug/Kg
Chloromethane	ND	3.2	ug/Kg
cis-1,2-Dichloroethene	ND	3.2	ug/Kg
cis-1,3-Dichloropropene	ND	3.2	ug/Kg
Dibromochloromethane	ND	3.2	ug/Kg

Enthalpy Analytical - Orange Analytical Report

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

489228-002 Analyte	Result	RL	Units
Dibromomethane	ND	3.2	ug/Kg
Ethylbenzene	ND	3.2	ug/Kg
Freon 113	ND	3.2	ug/Kg
Freon 12	ND	3.2	ug/Kg
Hexachlorobutadiene	ND	3.2	ug/Kg
Isopropylbenzene	ND	3.2	ug/Kg
Methylene Chloride	ND	6.4	ug/Kg
MTBE	ND	3.2	ug/Kg
n-Butylbenzene	ND	3.2	ug/Kg
Naphthalene	ND	3.2	ug/Kg
para-Isopropyl Toluene	ND	3.2	ug/Kg
Propylbenzene	ND	3.2	ug/Kg
sec-Butylbenzene	ND	3.2	ug/Kg
Styrene	ND	3.2	ug/Kg
tert-Butylbenzene	ND	3.2	ug/Kg
Tetrachloroethene	ND	3.2	ug/Kg
Toluene	ND	3.2	ug/Kg
trans-1,2-Dichloroethene	ND	3.2	ug/Kg
trans-1,3-Dichloropropene	ND	3.2	ug/Kg
Trichloroethene	ND	3.2	ug/Kg
Trichlorofluoromethane	ND	3.2	ug/Kg
Vinyl Chloride	ND	3.2	ug/Kg
m,p-Xylenes	ND	6.4	ug/Kg
o-Xylene	ND	3.2	ug/Kg

489228-002 Surrogate	%REC	Limits
Dibromofluoromethane	96	70-145
1,2-Dichloroethane-d4	103	70-145
Toluene-d8	98	70-145
Bromofluorobenzene	103	70-145

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report

Lab #: 346224 **Project#:** 1768.0080 000

Client: RSuxAPssScoates **Location:** PB&IAFSundry

Field ID:	MW-10-15.0	**DiIn Fac:**	0.5641	**Analyzed:**	07/24/28
Lab ID:	346224-008	**Batch#:**	816122	**Prep:**	9EPA5085
Matrix:	Soi	**Sampled:**	07/2I /28	**Analysis:**	9EPA42I 0B
Basis:	asAkeceoved	**Received:**	07/2I /28	**Analyst:**	LYZ

489228-003 Analyte	Result	RL	Units
TEHAGasSione	ND	0.I	mg/Kg
1,1-DochiSrSethane	ND	8.0	ug/Kg
1,1-DochiSrSethene	ND	8.0	ug/Kg
1,1-DochiSrSprSpene	ND	8.0	ug/Kg
1,1,1-TrochiSrSethane	ND	8.0	ug/Kg
1,1,1,2-TetrachiSrSethane	ND	8.0	ug/Kg
1,1,2-TrochiSrSethane	ND	8.0	ug/Kg
1,1,2,2-TetrachiSrSethane	ND	8.0	ug/Kg
1,2-DobrSmS-8-ChiSrSprSpane	ND	8.0	ug/Kg
1,2-DobrSmSethane	ND	8.0	ug/Kg
1,2-DochiSrSbenzene	ND	8.0	ug/Kg
1,2-DochiSrSethane	ND	8.0	ug/Kg
1,2-DochiSrSprSpane	ND	8.0	ug/Kg
1,2,8-TrochiSrSbenzene	ND	8.0	ug/Kg
1,2,8-TrochiSrSprSpane	ND	8.0	ug/Kg
1,2,3-TrochiSrSbenzene	ND	8.0	ug/Kg
1,2,3-Tromethyibenzene	ND	8.0	ug/Kg
1,8-DochiSrSbenzene	ND	8.0	ug/Kg
1,8-DochiSrSprSpane	ND	8.0	ug/Kg
1,8,5-Tromethyibenzene	ND	8.0	ug/Kg
1,3-DochiSrSbenzene	ND	8.0	ug/Kg
2-ButanSne	ND	I 0	ug/Kg
2-ChiSrStSiuene	ND	8.0	ug/Kg
2,2-DochiSrSprSpane	ND	8.0	ug/Kg
3-ChiSrStSiuene	ND	8.0	ug/Kg
3-Methyi-2-EentanSne	ND	8.0	ug/Kg
PcetSne	ND	I 0	ug/Kg
Benzene	ND	8.0	ug/Kg
BrSmSbenzene	ND	8.0	ug/Kg
BrSmSchiSrSmethane	ND	8.0	ug/Kg
BrSmSdochiSrSmethane	ND	8.0	ug/Kg
BrSmSfSrm	ND	8.0	ug/Kg
BrSmSmethane	ND	8.0	ug/Kg
CarbSnATetrachiSrode	ND	8.0	ug/Kg
ChiSrSbenzene	ND	8.0	ug/Kg
ChiSrSethane	ND	8.0	ug/Kg
ChiSrSfSrm	ND	8.0	ug/Kg
ChiSrSmethane	ND	8.0	ug/Kg
cos-1,2-DochiSrSethene	ND	8.0	ug/Kg
cos-1,8-DochiSrSprSpene	ND	8.0	ug/Kg
DobrSmSchiSrSmethane	ND	8.0	ug/Kg

Enthalpy Analytical - Orange Analytical Report

Lab #: 346224 **Project#:** 1768.0080 000

Client: RSuxAPssScoates **Location:** PB&IAFSundry

489228-003 Analyte	Result	RL	Units
DobrSmSmethane	ND	8.0	ug/Kg
9thyibenzene	ND	8.0	ug/Kg
FreSnA118	ND	8.0	ug/Kg
FreSnA12	ND	8.0	ug/Kg
HexachiSrSbutadoene	ND	8.0	ug/Kg
IsSprSpyibenzene	ND	8.0	ug/Kg
MethyieneAChiSrode	ND	I .0	ug/Kg
MTB9	ND	8.0	ug/Kg
n-Butyibenzene	ND	8.0	ug/Kg
Naphthaiene	ND	8.0	ug/Kg
para-IsSprSpyiATSiuene	ND	8.0	ug/Kg
ErSpyibenzene	ND	8.0	ug/Kg
sec-Butyibenzene	ND	8.0	ug/Kg
tyrene	ND	8.0	ug/Kg
tert-Butyibenzene	ND	8.0	ug/Kg
TetrachiSrSethene	ND	8.0	ug/Kg
TSiuene	ND	8.0	ug/Kg
trans-1,2-DochiSrSethene	ND	8.0	ug/Kg
trans-1,8-DochiSrSprSpene	ND	8.0	ug/Kg
TrochiSrSethene	ND	8.0	ug/Kg
TrochiSrSfiuSrSmethane	ND	8.0	ug/Kg
VonyiAChiSrode	ND	8.0	ug/Kg
m,p-Xyienes	ND	I .0	ug/Kg
S-Xyiene	ND	8.0	ug/Kg

489228-003 Surrogate	%REC	Limits
DobrSmSfiuSrSmethane	68	70-135
1,2-DochiSrSethane-d3	60	70-135
TSiuene-d4	68	70-135
BrSmSfiuSrSbenzene	64	70-135

Legend

ND: NSIADetected

RL: RepSrtongALomd

Enthalpy Analytical - Orange Analytical Report

Lab #: 734883 **Project#:** 1/ 495 . 9. S. . .

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	MW-11-05	**Diln Fac:**	. 56477	**Analyzed:**	. / 2832 89
Lab ID:	734883-. . 7	**Batch#:**	914188	**Prep:**	EPA 0. 90
Matrix:	Soil	**Sampled:**	. / 2802 89	**Analysis:**	EPA 386. B
Basis:	as received	**Received:**	. / 2862 89	**Analyst:**	LYZ

489228-004 Analyte	Result	RL	Units
TPH Gasoline	ND	. 5	mg2Kg
1,1-Dichloroethane	ND	950	ug2Kg
1,1-Dichloroethene	ND	950	ug2Kg
1,1-Dichloropropene	ND	950	ug2Kg
1,1,1-Trichloroethane	ND	950	ug2Kg
1,1,1,8-Tetrachloroethane	ND	950	ug2Kg
1,1,8-Trichloroethane	ND	950	ug2Kg
1,1,8,8-Tetrachloroethane	ND	950	ug2Kg
1,8-Dibromo-9-Chloropropane	ND	950	ug2Kg
1,8-Dibromoethane	ND	950	ug2Kg
1,8-Dichlorobenzene	ND	950	ug2Kg
1,8-Dichloroethane	ND	950	ug2Kg
1,8-Dichloropropane	ND	950	ug2Kg
1,8,9-Trichlorobenzene	ND	950	ug2Kg
1,8,9-Trichloropropane	ND	950	ug2Kg
1,8,7-Trichlorobenzene	ND	950	ug2Kg
1,8,7-Trimethylbenzene	ND	950	ug2Kg
1,9-Dichlorobenzene	ND	950	ug2Kg
1,9-Dichloropropane	ND	950	ug2Kg
1,9,0-Trimethylbenzene	ND	950	ug2Kg
1,7-Dichlorobenzene	ND	950	ug2Kg
8-Butanone	ND	64	ug2Kg
8-Chlorotoluene	ND	950	ug2Kg
8,8-Dichloropropane	ND	950	ug2Kg
7-Chlorotoluene	ND	950	ug2Kg
7-Methyl-8-Pentanone	ND	950	ug2Kg
Acetone	ND	64	ug2Kg
Benzene	ND	950	ug2Kg
Bromobenzene	ND	950	ug2Kg
Bromochloromethane	ND	950	ug2Kg
Bromodichloromethane	ND	950	ug2Kg
Bromoform	ND	950	ug2Kg
Bromomethane	ND	950	ug2Kg
Carbon Tetrachloride	ND	950	ug2Kg
Chlorobenzene	ND	950	ug2Kg
Chloroethane	ND	950	ug2Kg
Chloroform	ND	950	ug2Kg
Chloromethane	ND	950	ug2Kg
cis-1,8-Dichloroethene	ND	950	ug2Kg
cis-1,9-Dichloropropene	ND	950	ug2Kg
Dibromochloromethane	ND	950	ug2Kg

Enthalpy Analytical - Orange Analytical Report

Lab #: 734883 **Project#:** 1/ 495 . 9. S. . .

Client: Roux Associates **Location:** AB&I Foundry

489228-004 Analyte	Result	RL	Units
Dibromomethane	ND	950	ug/Kg
Ethylbenzene	ND	950	ug/Kg
Freon 119	ND	950	ug/Kg
Freon 18	ND	950	ug/Kg
Hexachlorobutadiene	ND	950	ug/Kg
Isopropylbenzene	ND	950	ug/Kg
Methylene Chloride	ND	654	ug/Kg
MTBE	ND	950	ug/Kg
n-Butylbenzene	ND	950	ug/Kg
Naphthalene	ND	950	ug/Kg
para-Isopropyl Toluene	ND	950	ug/Kg
Propylbenzene	ND	950	ug/Kg
sec-Butylbenzene	ND	950	ug/Kg
Styrene	ND	950	ug/Kg
tert-Butylbenzene	ND	950	ug/Kg
Tetrachloroethene	ND	950	ug/Kg
Toluene	ND	950	ug/Kg
trans-1,8-Dichloroethene	ND	950	ug/Kg
trans-1,9-Dichloropropene	ND	950	ug/Kg
Trichloroethene	ND	950	ug/Kg
Trichlorofluoromethane	ND	950	ug/Kg
Vinyl Chloride	ND	950	ug/Kg
m,p-Xylenes	ND	654	ug/Kg
o-Xylene	ND	950	ug/Kg

489228-004 Surrogate	%REC	Limits
Dibromofluoromethane	41	/ . -170
1,8-Dichloroethane-d7	41	/ . -170
Toluene-d3	46	/ . -170
Bromofluorobenzene	1. 1	/ . -170

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report

Lab #: 683228 **Project#:** 17345 0040S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	MW-11-105 0	**Dil n Fac:**	05 664	**Analyzed:**	07/28/24
Lab ID:	683228-009	**Batch#:**	413122	**Prep:**	EPA 9049
Matrix:	Soil	**Sampled:**	07/29/24	**Analysis:**	EPA 82. 0B
Basis:	as received	**Received:**	07/2. /24	**Analyst:**	LYZ

489228-005 Analyte	Result	RL	Units
TPH Gasoline	ND	05	mg/Kg
1,1-Dichloroethane	ND	452	ug/Kg
1,1-Dichloroethene	ND	452	ug/Kg
1,1-Dichloropropene	ND	452	ug/Kg
1,1,1-Trichloroethane	ND	452	ug/Kg
1,1,1,2-Tetrachloroethane	ND	452	ug/Kg
1,1,2-Trichloroethane	ND	452	ug/Kg
1,1,2,2-Tetrachloroethane	ND	452	ug/Kg
1,2-Dibromo-4-Chloropropane	ND	452	ug/Kg
1,2-Dibromoethane	ND	452	ug/Kg
1,2-Dichlorobenzene	ND	452	ug/Kg
1,2-Dichloroethane	ND	452	ug/Kg
1,2-Dichloropropane	ND	452	ug/Kg
1,2,4-Trichlorobenzene	ND	452	ug/Kg
1,2,4-Trichloropropane	ND	452	ug/Kg
1,2,6-Trichlorobenzene	ND	452	ug/Kg
1,2,6-Trimethylbenzene	ND	452	ug/Kg
1,4-Dichlorobenzene	ND	452	ug/Kg
1,4-Dichloropropane	ND	452	ug/Kg
1,4,9-Trimethylbenzene	ND	452	ug/Kg
1,6-Dichlorobenzene	ND	452	ug/Kg
2-Butanone	ND	. 6	ug/Kg
2-Chlorotoluene	ND	452	ug/Kg
2,2-Dichloropropane	ND	452	ug/Kg
6-Chlorotoluene	ND	452	ug/Kg
6-Methyl-2-Pentanone	ND	452	ug/Kg
Acetone	ND	. 6	ug/Kg
Benzene	ND	452	ug/Kg
Bromobenzene	ND	452	ug/Kg
Bromochloromethane	ND	452	ug/Kg
Bromodichloromethane	ND	452	ug/Kg
Bromoform	ND	452	ug/Kg
Bromomethane	ND	452	ug/Kg
Carbon Tetrachloride	ND	452	ug/Kg
Chlorobenzene	ND	452	ug/Kg
Chloroethane	ND	452	ug/Kg
Chloroform	ND	452	ug/Kg
Chloromethane	ND	452	ug/Kg
cis-1,2-Dichloroethene	ND	452	ug/Kg
cis-1,4-Dichloropropene	ND	452	ug/Kg
Dibromochloromethane	ND	452	ug/Kg

Enthalpy Analytical - Orange Analytical Report

Lab #: 683228 **Project#:** 17345.0040S000

Client: Roux Associates **Location:** AB&I Foundry

489228-005 Analyte	Result	RL	Units
Dibromomethane	ND	4.52	ug/Kg
Ethylbenzene	ND	4.52	ug/Kg
Freon 114	ND	4.52	ug/Kg
Freon 12	ND	4.52	ug/Kg
Hexachlorobutadiene	ND	4.52	ug/Kg
Isopropylbenzene	ND	4.52	ug/Kg
Methylene Chloride	ND	1.56	ug/Kg
MTBE	ND	4.52	ug/Kg
n-Butylbenzene	ND	4.52	ug/Kg
Naphthalene	ND	4.52	ug/Kg
para-Isopropyl Toluene	ND	4.52	ug/Kg
Propylbenzene	ND	4.52	ug/Kg
sec-Butylbenzene	ND	4.52	ug/Kg
Styrene	ND	4.52	ug/Kg
tert-Butylbenzene	ND	4.52	ug/Kg
Tetrachloroethene	ND	4.52	ug/Kg
Toluene	ND	4.52	ug/Kg
trans-1,2-Dichloroethene	ND	4.52	ug/Kg
trans-1,4-Dichloropropene	ND	4.52	ug/Kg
Trichloroethene	ND	4.52	ug/Kg
Trichlorofluoromethane	ND	4.52	ug/Kg
Vinyl Chloride	ND	4.52	ug/Kg
m,p-Xylenes	ND	1.56	ug/Kg
o-Xylene	ND	4.52	ug/Kg

489228-005 Surrogate	%REC	Limits
Dibromofluoromethane	32	70-169
1,2-Dichloroethane-d6	88	70-169
Toluene-d8	36	70-169
Bromofluorobenzene	38	70-169

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	MW-11-14.0	**DilN Fac:**	50.00	**Analyzed:**	08/03/23
Lab ID:	489228-006	**Batch#:**	319536	**Prep:**	EPA 5030B
Matrix:	Soil	**Sampled:**	07/25/23	**Analysis:**	EPA 8260B
Basis:	as received	**Received:**	07/26/23	**Analyst:**	HMN

489228-006 Analyte	Result	RL	Units
TPH Gasoline	**59**	50	mg/Kg
1,1-Dichloroethane	ND	250	ug/Kg
1,1-Dichloroethene	ND	250	ug/Kg
1,1-Dichloropropene	ND	250	ug/Kg
1,1,1-Trichloroethane	ND	250	ug/Kg
1,1,1,2-Tetrachloroethane	ND	250	ug/Kg
1,1,2-Trichloroethane	ND	250	ug/Kg
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg
1,2-Dibromo-3-Chloropropane	ND	250	ug/Kg
1,2-Dibromoethane	ND	250	ug/Kg
1,2-Dichlorobenzene	ND	250	ug/Kg
1,2-Dichloroethane	ND	250	ug/Kg
1,2-Dichloropropane	ND	250	ug/Kg
1,2,3-Trichlorobenzene	ND	250	ug/Kg
1,2,3-Trichloropropane	ND	250	ug/Kg
1,2,4-Trichlorobenzene	ND	250	ug/Kg
1,2,4-Trimethylbenzene	ND	250	ug/Kg
1,3-Dichlorobenzene	ND	250	ug/Kg
1,3-Dichloropropane	ND	250	ug/Kg
1,3,5-Trimethylbenzene	ND	250	ug/Kg
1,4-Dichlorobenzene	ND	250	ug/Kg
2-Butanone	ND	5,000	ug/Kg
2-Chlorotoluene	ND	250	ug/Kg
2,2-Dichloropropane	ND	250	ug/Kg
4-Chlorotoluene	ND	250	ug/Kg
4-Methyl-2-Pentanone	ND	250	ug/Kg
Acetone	ND	5,000	ug/Kg
Benzene	ND	250	ug/Kg
Bromobenzene	ND	250	ug/Kg
Bromochloromethane	ND	250	ug/Kg
Bromodichloromethane	ND	250	ug/Kg
Bromoform	ND	250	ug/Kg
Bromomethane	ND	250	ug/Kg
Carbon Tetrachloride	ND	250	ug/Kg
Chlorobenzene	ND	250	ug/Kg
Chloroethane	ND	250	ug/Kg
Chloroform	ND	250	ug/Kg
Chloromethane	ND	250	ug/Kg
cis-1,2-Dichloroethene	ND	250	ug/Kg
cis-1,3-Dichloropropene	ND	250	ug/Kg
Dibromochloromethane	ND	250	ug/Kg

Enthalpy Analytical - Orange Analytical Report

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

489228-006 Analyte	Result	RL	Units
Dibromomethane	ND	250	ug/Kg
Ethylbenzene	ND	250	ug/Kg
Freon 113	ND	250	ug/Kg
Freon 12	ND	250	ug/Kg
Hexachlorobutadiene	ND	250	ug/Kg
Isopropylbenzene	ND	250	ug/Kg
Methylene Chloride	ND	500	ug/Kg
MTBE	ND	250	ug/Kg
n-Butylbenzene	ND	250	ug/Kg
Naphthalene	ND	250	ug/Kg
para-Isopropyl Toluene	ND	250	ug/Kg
Propylbenzene	ND	250	ug/Kg
sec-Butylbenzene	ND	250	ug/Kg
Styrene	ND	250	ug/Kg
tert-Butylbenzene	ND	250	ug/Kg
Tetrachloroethene	ND	250	ug/Kg
Toluene	ND	250	ug/Kg
trans-1,2-Dichloroethene	ND	250	ug/Kg
trans-1,3-Dichloropropene	ND	250	ug/Kg
Trichloroethene	ND	250	ug/Kg
Trichlorofluoromethane	ND	250	ug/Kg
Vinyl Chloride	ND	250	ug/Kg
m,p-Xylenes	ND	500	ug/Kg
o-Xylene	ND	250	ug/Kg

489228-006 Surrogate	%REC	Limits
Dibromofluoromethane	98	70-145
1,2-Dichloroethane-d4	103	70-145
Toluene-d8	100	70-145
Bromofluorobenzene	97	70-145

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report

Lab #: 296339 **Project#:** 156/ .00/ 0B000

Client: RSux AssScoates **Location:** A7 &I FSundry

Field ID:	MW-11-14.0	**DiIn Fac:**	40.00	**Analyzed:**	058/ 183/
Lab ID:	296339-005	**Batch#:**	/ 16333	**Prep:**	EPA 40/ 4
Matrix:	BSo	**Sampled:**	0583483/	**Analysis:**	EPA 93I 07
Basis:	as receoved	**Received:**	0583I 83/	**Analyst:**	HMN

489228-007 Analyte	Result	RL	Units
TPH Gasoline	**79**	40	mg8Kg
1,1-DocchiSrSethane	ND	340	ug8Kg
1,1-DocchiSrSethene	ND	340	ug8Kg
1,1-DocchiSrSprSpene	ND	340	ug8Kg
1,1,1-TrocchiSrSethane	ND	340	ug8Kg
1,1,1,3-TetrachiSrSethane	ND	340	ug8Kg
1,1,3-TrocchiSrSethane	ND	340	ug8Kg
1,1,3,3-TetrachiSrSethane	ND	340	ug8Kg
1,3-DobrSmS-/ -ChiSrSprSpane	ND	340	ug8Kg
1,3-DobrSmSethane	ND	340	ug8Kg
1,3-DocchiSrSbenzene	ND	340	ug8Kg
1,3-DocchiSrSethane	ND	340	ug8Kg
1,3-DocchiSrSprSpane	ND	340	ug8Kg
1,3,/ -TrocchiSrSbenzene	ND	340	ug8Kg
1,3,/ -TrocchiSrSprSpane	ND	340	ug8Kg
1,3,2-TrocchiSrSbenzene	ND	340	ug8Kg
1,3,2-Tromethyibenzene	ND	340	ug8Kg
1,/ -DocchiSrSbenzene	ND	340	ug8Kg
1,/ -DocchiSrSprSpane	ND	340	ug8Kg
1,/ ,4-Tromethyibenzene	ND	340	ug8Kg
1,2-DocchiSrSbenzene	ND	340	ug8Kg
3-7utanSne	ND	4,000	ug8Kg
3-ChiSrStSiuene	ND	340	ug8Kg
3,3-DocchiSrSprSpane	ND	340	ug8Kg
2-ChiSrStSiuene	ND	340	ug8Kg
2-Methyi-3-PentanSne	ND	340	ug8Kg
AcetSne	ND	4,000	ug8Kg
7enzene	ND	340	ug8Kg
7rSmSbenzene	ND	340	ug8Kg
7rSmSchiSrSmethane	ND	340	ug8Kg
7rSmSdocchiSrSmethane	ND	340	ug8Kg
7rSmSfSrm	ND	340	ug8Kg
7rSmSmethane	ND	340	ug8Kg
CarbSn TetrachiSrocde	ND	340	ug8Kg
ChiSrSbenzene	ND	340	ug8Kg
ChiSrSethane	ND	340	ug8Kg
ChiSrSfSrm	ND	340	ug8Kg
ChiSrSmethane	ND	340	ug8Kg
cos-1,3-DocchiSrSethene	ND	340	ug8Kg
cos-1,/ -DocchiSrSprSpene	ND	340	ug8Kg
DobrSmSchiSrSmethane	ND	340	ug8Kg

Enthalpy Analytical - Orange Analytical Report

Lab #: 296339 **Project#:** 156/ .00/ 0B000

Client: RSux AssScoates **Location:** A7&I FSundry

489228-007 Analyte	Result	RL	Units
DobrSmSmethane	ND	340	ug8Kg
Ethyibenzene	ND	340	ug8Kg
FreSn 11/	ND	340	ug8Kg
FreSn 13	ND	340	ug8Kg
HexachiSrSbutadoene	ND	340	ug8Kg
IsSprSpyibenzene	ND	340	ug8Kg
Methyiene ChiSrode	ND	400	ug8Kg
MT7E	ND	340	ug8Kg
n-7utyibenzene	ND	340	ug8Kg
Naphthaiene	ND	340	ug8Kg
para-IsSprSpyi TSiuene	ND	340	ug8Kg
Propylbenzene	**400**	340	ug8Kg
sec-7utyibenzene	ND	340	ug8Kg
Btyrene	ND	340	ug8Kg
tert-7utyibenzene	ND	340	ug8Kg
TetrachiSrSethene	ND	340	ug8Kg
TSiuene	ND	340	ug8Kg
trans-1,3-DochiSrSethene	ND	340	ug8Kg
trans-1,/ -DochiSrSprSpene	ND	340	ug8Kg
TrochiSrSethene	ND	340	ug8Kg
TrochiSrSfiuSrSmethane	ND	340	ug8Kg
Vonyi ChiSrode	ND	340	ug8Kg
m,p-Xyienes	ND	400	ug8Kg
S-Xyiene	ND	340	ug8Kg

489228-007 Surrogate	%REC	Limits
DobrSmSfiuSrSmethane	63	50-124
1,3-DochiSrSethane-d2	69	50-124
TSiuene-d9	100	50-124
7rSmSfiuSrSbenzene	69	50-124

Legend

ND: NSt Detected

RL: RepSrtng Lomt

Enthalpy Analytical - Orange Analytical Report

Lab #: 8/ E00/ **Project#:** 12E968393S333

Client: Roux5 ssociates **Location:** B&I5Foundry

Field ID:	MW-10-.63	**Diln Fac:**	3678/ .	**Analyzed:**	32491409
Lab ID:	8/ E00/ -33/	**Batch#:**	91E000	**Prep:**	PA 5 39.
Matrix:	Soil	**Sampled:**	3240. 409	**Analysis:**	PA 5/ 073B
Basis:	as5received	**Received:**	32407409	**Analyst:**	HMN

489228-008 Analyte	Result	RL	Units
TAH5Gasoline	ND	367	mg4Kg
1,1-Dichloroethane	ND	960	ug4Kg
1,1-Dichloroethene	ND	960	ug4Kg
1,1-Dichloropropene	ND	960	ug4Kg
1,1,1-Trichloroethane	ND	960	ug4Kg
1,1,1,0-Tetrachloroethane	ND	960	ug4Kg
1,1,0-Trichloroethane	ND	960	ug4Kg
1,1,0,0-Tetrachloroethane	ND	960	ug4Kg
1,0-Dibromo-9-Chloropropane	ND	960	ug4Kg
1,0-Dibromoethane	ND	960	ug4Kg
1,0-Dichlorobenzene	ND	960	ug4Kg
1,0-Dichloroethane	ND	960	ug4Kg
1,0-Dichloropropane	ND	960	ug4Kg
1,0,9-Trichlorobenzene	ND	960	ug4Kg
1,0,9-Trichloropropane	ND	960	ug4Kg
1,0,8-Trichlorobenzene	ND	960	ug4Kg
1,0,8-Trimethylbenzene	ND	960	ug4Kg
1,9-Dichlorobenzene	ND	960	ug4Kg
1,9-Dichloropropane	ND	960	ug4Kg
1,9,. -Trimethylbenzene	ND	960	ug4Kg
1,8-Dichlorobenzene	ND	960	ug4Kg
0-Butanone	ND	7.	ug4Kg
0-Chlorotoluene	ND	960	ug4Kg
0,0-Dichloropropane	ND	960	ug4Kg
8-Chlorotoluene	ND	960	ug4Kg
8-Methyl-0-Aentanone	ND	960	ug4Kg
cetone	ND	7.	ug4Kg
Benzene	ND	960	ug4Kg
Bromobenzene	ND	960	ug4Kg
Bromochloromethane	ND	960	ug4Kg
Bromodichloromethane	ND	960	ug4Kg
Bromoform	ND	960	ug4Kg
Bromomethane	ND	960	ug4Kg
Carbon5Tetrachloride	ND	960	ug4Kg
Chlorobenzene	ND	960	ug4Kg
Chloroethane	ND	960	ug4Kg
Chloroform	ND	960	ug4Kg
Chloromethane	ND	960	ug4Kg
cis-1,0-Dichloroethene	ND	960	ug4Kg
cis-1,9-Dichloropropene	ND	960	ug4Kg
Dibromochloromethane	ND	960	ug4Kg

Enthalpy Analytical - Orange Analytical Report

Lab #: 8/ E00/ **Project#:** 12E96 8393S333

Client: Roux5 ssociates **Location:** B&I5 Foundry

489228-008 Analyte	Result	RL	Units
Dibromomethane	ND	960	ug4Kg
Pthylbenzene	ND	960	ug4Kg
Freon5I19	ND	960	ug4Kg
Freon5I0	ND	960	ug4Kg
Hexachlorobutadiene	ND	960	ug4Kg
Isopropylbenzene	ND	960	ug4Kg
Methylene5Chloride	ND	76	ug4Kg
MTBP	ND	960	ug4Kg
n-Butylbenzene	ND	960	ug4Kg
Naphthalene	ND	960	ug4Kg
para-Isopropyl5Toluene	ND	960	ug4Kg
Aropylbenzene	ND	960	ug4Kg
sec-Butylbenzene	ND	960	ug4Kg
Styrene	ND	960	ug4Kg
tert-Butylbenzene	ND	960	ug4Kg
Tetrachloroethene	ND	960	ug4Kg
Toluene	ND	960	ug4Kg
trans-1,0-Dichloroethene	ND	960	ug4Kg
trans-1,9-Dichloropropene	ND	960	ug4Kg
Trichloroethene	ND	960	ug4Kg
Trichlorofluoromethane	ND	960	ug4Kg
Vinyl5Chloride	ND	960	ug4Kg
m,p-Xylenes	ND	76	ug4Kg
o-Xylene	ND	960	ug4Kg

489228-008 Surrogate	%REC	Limits
Dibromofluoromethane	E/	23-18.
1,0-Dichloroethane-d8	EE	23-18.
Toluene-d/	E/	23-18.
Bromofluorobenzene	133	23-18.

Legend

ND: Not5Detected

RL: Reporting5Limit

Enthalpy Analytical - Orange Analytical Report

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	MW-12-10.0	**DilN Fac:**	0.6443	**Analyzed:**	07/31/23
Lab ID:	489228-009	**Batch#:**	319222	**Prep:**	EPA 5035
Matrix:	Soil	**Sampled:**	07/25/23	**Analysis:**	EPA 8260B
Basis:	as received	**Received:**	07/26/23	**Analyst:**	HMN

489228-009 Analyte	Result	RL	Units
TPH Gasoline	ND	0.6	mg/Kg
1,1-Dichloroethane	ND	3.2	ug/Kg
1,1-Dichloroethene	ND	3.2	ug/Kg
1,1-Dichloropropene	ND	3.2	ug/Kg
1,1,1-Trichloroethane	ND	3.2	ug/Kg
1,1,1,2-Tetrachloroethane	ND	3.2	ug/Kg
1,1,2-Trichloroethane	ND	3.2	ug/Kg
1,1,2,2-Tetrachloroethane	ND	3.2	ug/Kg
1,2-Dibromo-3-Chloropropane	ND	3.2	ug/Kg
1,2-Dibromoethane	ND	3.2	ug/Kg
1,2-Dichlorobenzene	ND	3.2	ug/Kg
1,2-Dichloroethane	ND	3.2	ug/Kg
1,2-Dichloropropane	ND	3.2	ug/Kg
1,2,3-Trichlorobenzene	ND	3.2	ug/Kg
1,2,3-Trichloropropane	ND	3.2	ug/Kg
1,2,4-Trichlorobenzene	ND	3.2	ug/Kg
1,2,4-Trimethylbenzene	ND	3.2	ug/Kg
1,3-Dichlorobenzene	ND	3.2	ug/Kg
1,3-Dichloropropane	ND	3.2	ug/Kg
1,3,5-Trimethylbenzene	ND	3.2	ug/Kg
1,4-Dichlorobenzene	ND	3.2	ug/Kg
2-Butanone	ND	64	ug/Kg
2-Chlorotoluene	ND	3.2	ug/Kg
2,2-Dichloropropane	ND	3.2	ug/Kg
4-Chlorotoluene	ND	3.2	ug/Kg
4-Methyl-2-Pentanone	ND	3.2	ug/Kg
Acetone	ND	64	ug/Kg
Benzene	ND	3.2	ug/Kg
Bromobenzene	ND	3.2	ug/Kg
Bromochloromethane	ND	3.2	ug/Kg
Bromodichloromethane	ND	3.2	ug/Kg
Bromoform	ND	3.2	ug/Kg
Bromomethane	ND	3.2	ug/Kg
Carbon Tetrachloride	ND	3.2	ug/Kg
Chlorobenzene	ND	3.2	ug/Kg
Chloroethane	ND	3.2	ug/Kg
Chloroform	ND	3.2	ug/Kg
Chloromethane	ND	3.2	ug/Kg
cis-1,2-Dichloroethene	ND	3.2	ug/Kg
cis-1,3-Dichloropropene	ND	3.2	ug/Kg
Dibromochloromethane	ND	3.2	ug/Kg

Enthalpy Analytical - Orange Analytical Report

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

489228-009 Analyte	Result	RL	Units
Dibromomethane	ND	3.2	ug/Kg
Ethylbenzene	ND	3.2	ug/Kg
Freon 113	ND	3.2	ug/Kg
Freon 12	ND	3.2	ug/Kg
Hexachlorobutadiene	ND	3.2	ug/Kg
Isopropylbenzene	ND	3.2	ug/Kg
Methylene Chloride	ND	6.4	ug/Kg
MTBE	ND	3.2	ug/Kg
n-Butylbenzene	ND	3.2	ug/Kg
Naphthalene	ND	3.2	ug/Kg
para-Isopropyl Toluene	ND	3.2	ug/Kg
Propylbenzene	ND	3.2	ug/Kg
sec-Butylbenzene	ND	3.2	ug/Kg
Styrene	ND	3.2	ug/Kg
tert-Butylbenzene	ND	3.2	ug/Kg
Tetrachloroethene	ND	3.2	ug/Kg
Toluene	ND	3.2	ug/Kg
trans-1,2-Dichloroethene	ND	3.2	ug/Kg
trans-1,3-Dichloropropene	ND	3.2	ug/Kg
Trichloroethene	ND	3.2	ug/Kg
Trichlorofluoromethane	ND	3.2	ug/Kg
Vinyl Chloride	**9.1**	3.2	ug/Kg
m,p-Xylenes	ND	6.4	ug/Kg
o-Xylene	ND	3.2	ug/Kg

489228-009 Surrogate	%REC	Limits
Dibromofluoromethane	101	70-145
1,2-Dichloroethane-d4	103	70-145
Toluene-d8	99	70-145
Bromofluorobenzene	102	70-145

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report

Lab #: 789008 **Project#:** 1493.6636S666

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	MW-10-15.6	**DiIn Fac:**	6.407/	**Analyzed:**	642082203
Lab ID:	789008-616	**Batch#:**	319100	**Prep:**	EPA 5635
Matrix:	Soil	**Sampled:**	642052203	**Analysis:**	EPA 80/ 6B
Basis:	as received	**Received:**	6420/ 203	**Analyst:**	LYZ

489228-010 Analyte	Result	RL	Units
TPH Gasoline	ND	6.4	mg2Kg
1,1-Dichloroethane	ND	3./	ug2Kg
1,1-Dichloroethene	**19**	3./	ug2Kg
1,1-Dichloropropene	ND	3./	ug2Kg
1,1,1-Trichloroethane	ND	3./	ug2Kg
1,1,1,0-Tetrachloroethane	ND	3./	ug2Kg
1,1,0-Trichloroethane	ND	3./	ug2Kg
1,1,0,0-Tetrachloroethane	ND	3./	ug2Kg
1,0-Dibromo-3-Chloropropane	ND	3./	ug2Kg
1,0-Dibromoethane	ND	3./	ug2Kg
1,0-Dichlorobenzene	ND	3./	ug2Kg
1,0-Dichloroethane	ND	3./	ug2Kg
1,0-Dichloropropane	ND	3./	ug2Kg
1,0,3-Trichlorobenzene	ND	3./	ug2Kg
1,0,3-Trichloropropane	ND	3./	ug2Kg
1,0,7-Trichlorobenzene	ND	3./	ug2Kg
1,0,7-Trimethylbenzene	ND	3./	ug2Kg
1,3-Dichlorobenzene	ND	3./	ug2Kg
1,3-Dichloropropane	ND	3./	ug2Kg
1,3,5-Trimethylbenzene	ND	3./	ug2Kg
1,7-Dichlorobenzene	ND	3./	ug2Kg
0-Butanone	ND	40	ug2Kg
0-Chlorotoluene	ND	3./	ug2Kg
0,0-Dichloropropane	ND	3./	ug2Kg
7-Chlorotoluene	ND	3./	ug2Kg
7-Methyl-0-Pentanone	ND	3./	ug2Kg
Acetone	ND	40	ug2Kg
Benzene	ND	3./	ug2Kg
Bromobenzene	ND	3./	ug2Kg
Bromochloromethane	ND	3./	ug2Kg
Bromodichloromethane	ND	3./	ug2Kg
Bromoform	ND	3./	ug2Kg
Bromomethane	ND	3./	ug2Kg
Carbon Tetrachloride	ND	3./	ug2Kg
Chlorobenzene	ND	3./	ug2Kg
Chloroethane	ND	3./	ug2Kg
Chloroform	ND	3./	ug2Kg
Chloromethane	ND	3./	ug2Kg
cis-1,0-Dichloroethene	ND	3./	ug2Kg
cis-1,3-Dichloropropene	ND	3./	ug2Kg
Dibromochloromethane	ND	3./	ug2Kg

Enthalpy Analytical - Orange Analytical Report

Lab #: 789008 **Project#:** 1493.6636S666

Client: Roux Associates **Location:** AB&I Foundry

489228-010 Analyte	Result	RL	Units
Dibromomethane	ND	3./	ug/Kg
Ethylbenzene	ND	3./	ug/Kg
Freon 113	ND	3./	ug/Kg
Freon 10	ND	3./	ug/Kg
Hexachlorobutadiene	ND	3./	ug/Kg
Isopropylbenzene	ND	3./	ug/Kg
Methylene Chloride	ND	4.0	ug/Kg
MTBE	ND	3./	ug/Kg
n-Butylbenzene	ND	3./	ug/Kg
Naphthalene	ND	3./	ug/Kg
para-Isopropyl Toluene	ND	3./	ug/Kg
Propylbenzene	ND	3./	ug/Kg
sec-Butylbenzene	ND	3./	ug/Kg
Styrene	ND	3./	ug/Kg
tert-Butylbenzene	ND	3./	ug/Kg
Tetrachloroethene	ND	3./	ug/Kg
Toluene	ND	3./	ug/Kg
trans-1,0-Dichloroethene	ND	3./	ug/Kg
trans-1,3-Dichloropropene	ND	3./	ug/Kg
Trichloroethene	ND	3./	ug/Kg
Trichlorofluoromethane	ND	3./	ug/Kg
Vinyl Chloride	ND	3./	ug/Kg
m,p-Xylenes	ND	4.0	ug/Kg
o-Xylene	ND	3./	ug/Kg

489228-010 Surrogate	%REC	Limits
Dibromofluoromethane	96	46-175
1,0-Dichloroethane-d7	83	46-175
Toluene-d8	97	46-175
Bromofluorobenzene	98	46-175

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report

Lab #: 483008 **Project#:** 1/ 37.5575S555

Client: RouxAPssociates **Location:** PB&IAFoundry

Field ID:	MW-10-05.5	**DiIn Fac:**	5.6447	**Analyzed:**	5/ 2082 07
Lab ID:	483008-511	**Batch#:**	713100	**Prep:**	9 EPA 57
Matrix:	Soil	**Sampled:**	5/ 20 207	**Analysis:**	9 EPA 8065B
Basis:	asAeceived	**Received:**	5/ 2062 07	**Analyst:**	LYZ

489228-011 Analyte	Result	RL	Units
TEHAGasoline	ND	5.6	mg2Kg
1,1-Dichloroethane	ND	7.0	ug2Kg
1,1-Dichloroethene	**57**	7.0	ug2Kg
1,1-Dichloropropene	ND	7.0	ug2Kg
1,1,1-Trichloroethane	ND	7.0	ug2Kg
1,1,1,0-Tetrachloroethane	ND	7.0	ug2Kg
1,1,0-Trichloroethane	ND	7.0	ug2Kg
1,1,0,0-Tetrachloroethane	ND	7.0	ug2Kg
1,0-Dibromo-7-Chloropropane	ND	7.0	ug2Kg
1,0-Dibromoethane	ND	7.0	ug2Kg
1,0-Dichlorobenzene	ND	7.0	ug2Kg
1,0-Dichloroethane	ND	7.0	ug2Kg
1,0-Dichloropropane	ND	7.0	ug2Kg
1,0,7-Trichlorobenzene	ND	7.0	ug2Kg
1,0,7-Trichloropropane	ND	7.0	ug2Kg
1,0,4-Trichlorobenzene	ND	7.0	ug2Kg
1,0,4-Trimethylbenzene	ND	7.0	ug2Kg
1,7-Dichlorobenzene	ND	7.0	ug2Kg
1,7-Dichloropropane	ND	7.0	ug2Kg
1,7, -Trimethylbenzene	ND	7.0	ug2Kg
1,4-Dichlorobenzene	ND	7.0	ug2Kg
0-Butanone	ND	64	ug2Kg
0-Chlorotoluene	ND	7.0	ug2Kg
0,0-Dichloropropane	ND	7.0	ug2Kg
4-Chlorotoluene	ND	7.0	ug2Kg
4-Methyl-0-Eentanone	ND	7.0	ug2Kg
Pcetone	ND	64	ug2Kg
Benzene	ND	7.0	ug2Kg
Bromobenzene	ND	7.0	ug2Kg
Bromochloromethane	ND	7.0	ug2Kg
Bromodichloromethane	ND	7.0	ug2Kg
Bromoform	ND	7.0	ug2Kg
Bromomethane	ND	7.0	ug2Kg
CarbonATetrachloride	ND	7.0	ug2Kg
Chlorobenzene	ND	7.0	ug2Kg
Chloroethane	ND	7.0	ug2Kg
Chloroform	ND	7.0	ug2Kg
Chloromethane	ND	7.0	ug2Kg
cis-1,0-Dichloroethene	ND	7.0	ug2Kg
cis-1,7-Dichloropropene	ND	7.0	ug2Kg
Dibromochloromethane	ND	7.0	ug2Kg

Enthalpy Analytical - Orange Analytical Report

Lab #: 483008 **Project#:** 1/ 37.5575S555

Client: RouxAPssociates **Location:** PB&IAFoundry

489228-011 Analyte	Result	RL	Units
Dibromomethane	ND	7.0	ug2Kg
9thylbenzene	ND	7.0	ug2Kg
FreonA117	ND	7.0	ug2Kg
FreonA10	ND	7.0	ug2Kg
Hexachlorobutadiene	ND	7.0	ug2Kg
Isopropylbenzene	ND	7.0	ug2Kg
MethyleneAChloride	ND	6.4	ug2Kg
MTB9	ND	7.0	ug2Kg
n-Butylbenzene	ND	7.0	ug2Kg
Naphthalene	ND	7.0	ug2Kg
para-IsopropylAToluene	ND	7.0	ug2Kg
Eropylbenzene	ND	7.0	ug2Kg
sec-Butylbenzene	ND	7.0	ug2Kg
Styrene	ND	7.0	ug2Kg
tert-Butylbenzene	ND	7.0	ug2Kg
Tetrachloroethene	ND	7.0	ug2Kg
Toluene	ND	7.0	ug2Kg
trans-1,0-Dichloroethene	ND	7.0	ug2Kg
trans-1,7-Dichloropropene	ND	7.0	ug2Kg
Trichloroethene	ND	7.0	ug2Kg
Trichlorofluoromethane	ND	7.0	ug2Kg
VinylAChloride	ND	7.0	ug2Kg
m,p-Xylenes	ND	6.4	ug2Kg
o-Xylene	ND	7.0	ug2Kg

489228-011 Surrogate	%REC	Limits
Dibromofluoromethane	31	/ 5-14
1,0-Dichloroethane-d4	8/	/ 5-14
Toluene-d8	34	/ 5-14
Bromofluorobenzene	151	/ 5-14

Legend

ND: NotADetected

RL: ReportingALimit

Enthalpy Analytical - Orange Analytical Report

Lab #: 789008 **Project#:** 1/ 93.6636S666

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	MW-10-05.6	**DilnFac:**	6.4750	**Analyzed:**	6/ 208203
Lab ID:	789008-610	**Batch#:**	319100	**Prep:**	EPA 5635
Matrix:	Soil	**Sampled:**	6/ 205203	**Analysis:**	EPA 8046B
Basis:	as received	**Received:**	6/ 204203	**Analyst:**	LYZ

489228-012 Analyte	Result	RL	Units
TPH Gasoline	ND	6.4	mg2Kg
1,1-Dichloroethane	ND	3.0	ug2Kg
1,1-Dichloroethene	**28**	3.0	ug2Kg
1,1-Dichloropropene	ND	3.0	ug2Kg
1,1,1-Trichloroethane	ND	3.0	ug2Kg
1,1,1,0-Tetrachloroethane	ND	3.0	ug2Kg
1,1,0-Trichloroethane	ND	3.0	ug2Kg
1,1,0,0-Tetrachloroethane	ND	3.0	ug2Kg
1,0-Dibromo-3-Chloropropane	ND	3.0	ug2Kg
1,0-Dibromoethane	ND	3.0	ug2Kg
1,0-Dichlorobenzene	ND	3.0	ug2Kg
1,0-Dichloroethane	ND	3.0	ug2Kg
1,0-Dichloropropane	ND	3.0	ug2Kg
1,0,3-Trichlorobenzene	ND	3.0	ug2Kg
1,0,3-Trichloropropane	ND	3.0	ug2Kg
1,0,7-Trichlorobenzene	ND	3.0	ug2Kg
1,0,7-Trimethylbenzene	ND	3.0	ug2Kg
1,3-Dichlorobenzene	ND	3.0	ug2Kg
1,3-Dichloropropane	ND	3.0	ug2Kg
1,3,5-Trimethylbenzene	ND	3.0	ug2Kg
1,7-Dichlorobenzene	ND	3.0	ug2Kg
0-Butanone	ND	45	ug2Kg
0-Chlorotoluene	ND	3.0	ug2Kg
0,0-Dichloropropane	ND	3.0	ug2Kg
7-Chlorotoluene	ND	3.0	ug2Kg
7-Methyl-0-Pentanone	ND	3.0	ug2Kg
Acetone	ND	45	ug2Kg
Benzene	ND	3.0	ug2Kg
Bromobenzene	ND	3.0	ug2Kg
Bromochloromethane	ND	3.0	ug2Kg
Bromodichloromethane	ND	3.0	ug2Kg
Bromoform	ND	3.0	ug2Kg
Bromomethane	ND	3.0	ug2Kg
Carbon Tetrachloride	ND	3.0	ug2Kg
Chlorobenzene	ND	3.0	ug2Kg
Chloroethane	ND	3.0	ug2Kg
Chloroform	ND	3.0	ug2Kg
Chloromethane	ND	3.0	ug2Kg
cis-1,0-Dichloroethene	ND	3.0	ug2Kg
cis-1,3-Dichloropropene	ND	3.0	ug2Kg
Dibromochloromethane	ND	3.0	ug2Kg

Enthalpy Analytical - Orange Analytical Report

Lab #: 789008 **Project#:** 1/ 93.6636S666

Client: Roux Associates **Location:** AB&I Foundry

489228-012 Analyte	Result	RL	Units
Dibromomethane	ND	3.0	ug/Kg
Ethylbenzene	ND	3.0	ug/Kg
Freon 113	ND	3.0	ug/Kg
Freon 10	ND	3.0	ug/Kg
Hexachlorobutadiene	ND	3.0	ug/Kg
Isopropylbenzene	ND	3.0	ug/Kg
Methylene Chloride	ND	4.5	ug/Kg
MTBE	ND	3.0	ug/Kg
n-Butylbenzene	ND	3.0	ug/Kg
Naphthalene	ND	3.0	ug/Kg
para-Isopropyl Toluene	ND	3.0	ug/Kg
Propylbenzene	ND	3.0	ug/Kg
sec-Butylbenzene	ND	3.0	ug/Kg
Styrene	ND	3.0	ug/Kg
tert-Butylbenzene	ND	3.0	ug/Kg
Tetrachloroethene	ND	3.0	ug/Kg
Toluene	ND	3.0	ug/Kg
trans-1,0-Dichloroethene	ND	3.0	ug/Kg
trans-1,3-Dichloropropene	ND	3.0	ug/Kg
Trichloroethene	ND	3.0	ug/Kg
Trichlorofluoromethane	ND	3.0	ug/Kg
Vinyl Chloride	ND	3.0	ug/Kg
m,p-Xylenes	ND	4.5	ug/Kg
o-Xylene	ND	3.0	ug/Kg

489228-012 Surrogate	%REC	Limits
Dibromofluoromethane	93	/ 6-175
1,0-Dichloroethane-d7	88	/ 6-175
Toluene-d8	95	/ 6-175
Bromofluorobenzene	99	/ 6-175

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: BS **Diln Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC1082857 **Batch#:** 319122 **Analysis:** EPA 8260B

Matrix: Soil **Analyzed:** 07/27/23 **Analyst:** EJB

QC1082857 Analyte	Spiked	Result	%REC	Limits	Units
TPH Gasoline		NA			
1,1-Dichloroethene	50.00	45.43	91	70-131	ug/Kg
Benzene	50.00	50.14	100	70-130	ug/Kg
Chlorobenzene	50.00	50.96	102	70-130	ug/Kg
MTBE	50.00	44.42	89	69-130	ug/Kg
Toluene	50.00	50.06	100	70-130	ug/Kg
Trichloroethene	50.00	53.43	107	70-130	ug/Kg

QC1082857 Surrogate	%REC	Limits
Dibromofluoromethane	94	70-130
1,2-Dichloroethane-d4	85	70-145
Toluene-d8	98	70-145
Bromofluorobenzene	100	70-145

Type: BSD **Diln Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC1082858 **Batch#:** 319122 **Analysis:** EPA 8260B

Matrix: Soil **Analyzed:** 07/27/23 **Analyst:** LYZ

QC1082858 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
TPH Gasoline		NA					
1,1-Dichloroethene	50.00	42.73	85	70-131	ug/Kg	6	33
Benzene	50.00	45.78	92	70-130	ug/Kg	9	30
Chlorobenzene	50.00	46.56	93	70-130	ug/Kg	9	30
MTBE	50.00	40.04	80	69-130	ug/Kg	10	30
Toluene	50.00	45.75	92	70-130	ug/Kg	9	30
Trichloroethene	50.00	48.93	98	70-130	ug/Kg	9	30

QC1082858 Surrogate	%REC	Limits
Dibromofluoromethane	92	70-130
1,2-Dichloroethane-d4	84	70-145
Toluene-d8	97	70-145
Bromofluorobenzene	96	70-145

Legend

NA: Not Analyzed

RPD: Relative Percent Difference

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: BS **Diln Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC1082859 **Batch#:** 319122 **Analysis:** EPA 8260B

Matrix: Soil **Analyzed:** 07/27/23 **Analyst:** LYZ

QC1082859 Analyte	Spiked	Result	%REC	Limits	Units
TPH Gasoline	0.5000	0.4004	80	70-130	mg/Kg
1,1-Dichloroethene		NA			
Benzene		NA			
Chlorobenzene		NA			
MTBE		NA			
Toluene		NA			
Trichloroethene		NA			

QC1082859 Surrogate	%REC	Limits
Dibromofluoromethane	91	70-130
1,2-Dichloroethane-d4	85	70-145
Toluene-d8	96	70-145
Bromofluorobenzene	98	70-145

Type: BSD **Diln Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC1082860 **Batch#:** 319122 **Analysis:** EPA 8260B

Matrix: Soil **Analyzed:** 07/27/23 **Analyst:** LYZ

QC1082860 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
TPH Gasoline	0.5000	0.4416	88	70-130	mg/Kg	10	20
1,1-Dichloroethene		NA					
Benzene		NA					
Chlorobenzene		NA					
MTBE		NA					
Toluene		NA					
Trichloroethene		NA					

QC1082860 Surrogate	%REC	Limits
Dibromofluoromethane	93	70-130
1,2-Dichloroethane-d4	85	70-145
Toluene-d8	97	70-145
Bromofluorobenzene	100	70-145

Legend

NA: Not Analyzed

RPD: Relative Percent Difference

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: BLANK **Dil'n Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC1082863 **Batch#:** 319122 **Analysis:** EPA 8260B

Matrix: Soil **Analyzed:** 07/28/23 **Analyst:** LYZ

QC1082863 Analyte	Result	RL	Units
TPH Gasoline	ND	1.0	mg/Kg
1,1-Dichloroethane	ND	5.0	ug/Kg
1,1-Dichloroethene	ND	5.0	ug/Kg
1,1-Dichloropropene	ND	5.0	ug/Kg
1,1,1-Trichloroethane	ND	5.0	ug/Kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg
1,1,2-Trichloroethane	ND	5.0	ug/Kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg
1,2-Dibromo-3-Chloropropane	ND	5.0	ug/Kg
1,2-Dibromoethane	ND	5.0	ug/Kg
1,2-Dichlorobenzene	ND	5.0	ug/Kg
1,2-Dichloroethane	ND	5.0	ug/Kg
1,2-Dichloropropane	ND	5.0	ug/Kg
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg
1,2,3-Trichloropropane	ND	5.0	ug/Kg
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg
1,3-Dichlorobenzene	ND	5.0	ug/Kg
1,3-Dichloropropane	ND	5.0	ug/Kg
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg
1,4-Dichlorobenzene	ND	5.0	ug/Kg
2-Butanone	ND	100	ug/Kg
2-Chlorotoluene	ND	5.0	ug/Kg
2,2-Dichloropropane	ND	5.0	ug/Kg
4-Chlorotoluene	ND	5.0	ug/Kg
4-Methyl-2-Pentanone	ND	5.0	ug/Kg
Acetone	ND	100	ug/Kg
Benzene	ND	5.0	ug/Kg
Bromobenzene	ND	5.0	ug/Kg
Bromochloromethane	ND	5.0	ug/Kg
Bromodichloromethane	ND	5.0	ug/Kg
Bromoform	ND	5.0	ug/Kg
Bromomethane	ND	5.0	ug/Kg
Carbon Tetrachloride	ND	5.0	ug/Kg
Chlorobenzene	ND	5.0	ug/Kg
Chloroethane	ND	5.0	ug/Kg
Chloroform	ND	5.0	ug/Kg
Chloromethane	ND	5.0	ug/Kg
cis-1,2-Dichloroethene	ND	5.0	ug/Kg
cis-1,3-Dichloropropene	ND	5.0	ug/Kg
Dibromochloromethane	ND	5.0	ug/Kg
Dibromomethane	ND	5.0	ug/Kg

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

QC1082863 Analyte	Result	RL	Units
Ethylbenzene	ND	5.0	ug/Kg
Freon 113	ND	5.0	ug/Kg
Freon 12	ND	5.0	ug/Kg
Hexachlorobutadiene	ND	5.0	ug/Kg
Isopropylbenzene	ND	5.0	ug/Kg
Methylene Chloride	ND	10	ug/Kg
MTBE	ND	5.0	ug/Kg
n-Butylbenzene	ND	5.0	ug/Kg
Naphthalene	ND	5.0	ug/Kg
para-Isopropyl Toluene	ND	5.0	ug/Kg
Propylbenzene	ND	5.0	ug/Kg
sec-Butylbenzene	ND	5.0	ug/Kg
Styrene	ND	5.0	ug/Kg
tert-Butylbenzene	ND	5.0	ug/Kg
Tetrachloroethene	ND	5.0	ug/Kg
Toluene	ND	5.0	ug/Kg
trans-1,2-Dichloroethene	ND	5.0	ug/Kg
trans-1,3-Dichloropropene	ND	5.0	ug/Kg
Trichloroethene	ND	5.0	ug/Kg
Trichlorofluoromethane	ND	5.0	ug/Kg
Vinyl Chloride	ND	5.0	ug/Kg
m,p-Xylenes	ND	10	ug/Kg
o-Xylene	ND	5.0	ug/Kg

QC1082863 Surrogate	%REC	Limits
Dibromofluoromethane	92	70-130
1,2-Dichloroethane-d4	86	70-145
Toluene-d8	96	70-145
Bromofluorobenzene	97	70-145

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: BLANK **Dil'n Fac:** 50.00 **Prep:** EPA 5030B

Lab ID: QC1083218 **Batch#:** 319222 **Analysis:** EPA 8260B

Matrix: Soil **Analyzed:** 07/31/23 **Analyst:** EJB

QC1083218 Analyte	Result	RL	Units
TPH Gasoline	ND	50	mg/Kg
1,1-Dichloroethane	ND	250	ug/Kg
1,1-Dichloroethene	ND	250	ug/Kg
1,1-Dichloropropene	ND	250	ug/Kg
1,1,1-Trichloroethane	ND	250	ug/Kg
1,1,1,2-Tetrachloroethane	ND	250	ug/Kg
1,1,2-Trichloroethane	ND	250	ug/Kg
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg
1,2-Dibromo-3-Chloropropane	ND	250	ug/Kg
1,2-Dibromoethane	ND	250	ug/Kg
1,2-Dichlorobenzene	ND	250	ug/Kg
1,2-Dichloroethane	ND	250	ug/Kg
1,2-Dichloropropane	ND	250	ug/Kg
1,2,3-Trichlorobenzene	ND	250	ug/Kg
1,2,3-Trichloropropane	ND	250	ug/Kg
1,2,4-Trichlorobenzene	ND	250	ug/Kg
1,2,4-Trimethylbenzene	ND	250	ug/Kg
1,3-Dichlorobenzene	ND	250	ug/Kg
1,3-Dichloropropane	ND	250	ug/Kg
1,3,5-Trimethylbenzene	ND	250	ug/Kg
1,4-Dichlorobenzene	ND	250	ug/Kg
2-Butanone	ND	5,000	ug/Kg
2-Chlorotoluene	ND	250	ug/Kg
2,2-Dichloropropane	ND	250	ug/Kg
4-Chlorotoluene	ND	250	ug/Kg
4-Methyl-2-Pentanone	ND	250	ug/Kg
Acetone	ND	5,000	ug/Kg
Benzene	ND	250	ug/Kg
Bromobenzene	ND	250	ug/Kg
Bromochloromethane	ND	250	ug/Kg
Bromodichloromethane	ND	250	ug/Kg
Bromoform	ND	250	ug/Kg
Bromomethane	ND	250	ug/Kg
Carbon Tetrachloride	ND	250	ug/Kg
Chlorobenzene	ND	250	ug/Kg
Chloroethane	ND	250	ug/Kg
Chloroform	ND	250	ug/Kg
Chloromethane	ND	250	ug/Kg
cis-1,2-Dichloroethene	ND	250	ug/Kg
cis-1,3-Dichloropropene	ND	250	ug/Kg
Dibromochloromethane	ND	250	ug/Kg
Dibromomethane	ND	250	ug/Kg

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

QC1083218 Analyte	Result	RL	Units
Ethylbenzene	ND	250	ug/Kg
Freon 113	ND	250	ug/Kg
Freon 12	ND	250	ug/Kg
Hexachlorobutadiene	ND	250	ug/Kg
Isopropylbenzene	ND	250	ug/Kg
Methylene Chloride	ND	500	ug/Kg
MTBE	ND	250	ug/Kg
n-Butylbenzene	ND	250	ug/Kg
Naphthalene	ND	250	ug/Kg
para-Isopropyl Toluene	ND	250	ug/Kg
Propylbenzene	ND	250	ug/Kg
sec-Butylbenzene	ND	250	ug/Kg
Styrene	ND	250	ug/Kg
tert-Butylbenzene	ND	250	ug/Kg
Tetrachloroethene	ND	250	ug/Kg
Toluene	ND	250	ug/Kg
trans-1,2-Dichloroethene	ND	250	ug/Kg
trans-1,3-Dichloropropene	ND	250	ug/Kg
Trichloroethene	ND	250	ug/Kg
Trichlorofluoromethane	ND	250	ug/Kg
Vinyl Chloride	ND	250	ug/Kg
m,p-Xylenes	ND	500	ug/Kg
o-Xylene	ND	250	ug/Kg

QC1083218 Surrogate	%REC	Limits
Dibromofluoromethane	96	70-130
1,2-Dichloroethane-d4	99	70-145
Toluene-d8	98	70-145
Bromofluorobenzene	98	70-145

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: BS **Diln Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC1083219 **Batch#:** 319222 **Analysis:** EPA 8260B

Matrix: Soil **Analyzed:** 07/31/23 **Analyst:** EJB

QC1083219 Analyte	Spiked	Result	%REC	Limits	Units
TPH Gasoline		NA			
1,1-Dichloroethene	50.00	51.53	103	70-131	ug/Kg
Benzene	50.00	48.74	97	70-130	ug/Kg
Chlorobenzene	50.00	48.17	96	70-130	ug/Kg
MTBE	50.00	46.32	93	69-130	ug/Kg
Toluene	50.00	49.56	99	70-130	ug/Kg
Trichloroethene	50.00	49.10	98	70-130	ug/Kg

QC1083219 Surrogate	%REC	Limits
Dibromofluoromethane	100	70-130
1,2-Dichloroethane-d4	97	70-145
Toluene-d8	101	70-145
Bromofluorobenzene	103	70-145

Type: BSD **Diln Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC1083220 **Batch#:** 319222 **Analysis:** EPA 8260B

Matrix: Soil **Analyzed:** 07/31/23 **Analyst:** EJB

QC1083220 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
TPH Gasoline		NA					
1,1-Dichloroethene	50.00	46.40	93	70-131	ug/Kg	10	33
Benzene	50.00	46.54	93	70-130	ug/Kg	5	30
Chlorobenzene	50.00	45.98	92	70-130	ug/Kg	5	30
MTBE	50.00	45.96	92	69-130	ug/Kg	1	30
Toluene	50.00	46.76	94	70-130	ug/Kg	6	30
Trichloroethene	50.00	47.61	95	70-130	ug/Kg	3	30

QC1083220 Surrogate	%REC	Limits
Dibromofluoromethane	102	70-130
1,2-Dichloroethane-d4	99	70-145
Toluene-d8	100	70-145
Bromofluorobenzene	101	70-145

Legend

NA: Not Analyzed

RPD: Relative Percent Difference

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 489228 **Project#:** 579Q0 . Q S. . .

Client: Roux Associates **Location:** AB&I Foundry

Type: BLANK **Diln Fac:** 50 . . **Prep:** EPA 3. Q B

Lab ID: C1 5. 8Q225 **Batch#:** Q59222 **Analysis:** EPA 826. B

Matrix: Soil **Analyzed:** . 7/Q5/2Q **Analyst:** EJB

QC1083221 Analyte	Result	RL	Units
TPH Gasoline	ND	50	mg/Kg
5,5-Dichloroethane	ND	30	ug/Kg
5,5-Dichloroethene	ND	30	ug/Kg
5,5-Dichloropropene	ND	30	ug/Kg
5,5,5-Trichloroethane	ND	30	ug/Kg
5,5,5,2-Tetrachloroethane	ND	30	ug/Kg
5,5,2-Trichloroethane	ND	30	ug/Kg
5,5,2,2-Tetrachloroethane	ND	30	ug/Kg
5,2-Dibromo-Q-1 hloropropane	ND	30	ug/Kg
5,2-Dibromoethane	ND	30	ug/Kg
5,2-Dichlorobenzene	ND	30	ug/Kg
5,2-Dichloroethane	ND	30	ug/Kg
5,2-Dichloropropane	ND	30	ug/Kg
5,2,Q-Trichlorobenzene	ND	30	ug/Kg
5,2,Q-Trichloropropane	ND	30	ug/Kg
5,2,4-Trichlorobenzene	ND	30	ug/Kg
5,2,4-Trimethylbenzene	ND	30	ug/Kg
5,Q-Dichlorobenzene	ND	30	ug/Kg
5,Q-Dichloropropane	ND	30	ug/Kg
5,Q3-Trimethylbenzene	ND	30	ug/Kg
5,4-Dichlorobenzene	ND	30	ug/Kg
2-Butanone	ND	5. .	ug/Kg
2-1 hlorotoluene	ND	30	ug/Kg
2,2-Dichloropropane	ND	30	ug/Kg
4-1 hlorotoluene	ND	30	ug/Kg
4-Methyl-2-Pentanone	ND	30	ug/Kg
Acetone	ND	5. .	ug/Kg
Benzene	ND	30	ug/Kg
Bromobenzene	ND	30	ug/Kg
Bromochloromethane	ND	30	ug/Kg
Bromodichloromethane	ND	30	ug/Kg
Bromoform	ND	30	ug/Kg
Bromomethane	ND	30	ug/Kg
1 arbon Tetrachloride	ND	30	ug/Kg
1 hlorobenzene	ND	30	ug/Kg
1 hloroethane	ND	30	ug/Kg
1 hloroform	ND	30	ug/Kg
1 hloromethane	ND	30	ug/Kg
cis-5,2-Dichloroethene	ND	30	ug/Kg
cis-5,Q-Dichloropropene	ND	30	ug/Kg
Dibromochloromethane	ND	30	ug/Kg
Dibromomethane	ND	30	ug/Kg

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 489228 **Project#:** 579QQ . Q S. . .

Client: Roux Associates **Location:** AB&I Foundry

QC1083221 Analyte	Result	RL	Units
Ethylbenzene	ND	30	ug/Kg
Freon 55Q	ND	30	ug/Kg
Freon 52	ND	30	ug/Kg
Hexachlorobutadiene	ND	30	ug/Kg
Isopropylbenzene	ND	30	ug/Kg
Methylene 1 hloride	ND	5.	ug/Kg
MTBE	ND	30	ug/Kg
n-Butylbenzene	ND	30	ug/Kg
Naphthalene	ND	30	ug/Kg
para-Isopropyl Toluene	ND	30	ug/Kg
Propylbenzene	ND	30	ug/Kg
sec-Butylbenzene	ND	30	ug/Kg
Styrene	ND	30	ug/Kg
tert-Butylbenzene	ND	30	ug/Kg
Tetrachloroethene	ND	30	ug/Kg
Toluene	ND	30	ug/Kg
trans-5,2-Dichloroethene	ND	30	ug/Kg
trans-5,Q-Dichloropropene	ND	30	ug/Kg
Trichloroethene	ND	30	ug/Kg
Trichlorofluoromethane	ND	30	ug/Kg
Vinyl 1 hloride	ND	30	ug/Kg
m,p-Xylenes	ND	5.	ug/Kg
o-Xylene	ND	30	ug/Kg

QC1083221 Surrogate	%REC	Limits
Dibromofluoromethane	96	7. -5Q.
5,2-Dichloroethane-d4	98	7. -543
Toluene-d8	98	7. -543
Bromofluorobenzene	5. 5	7. -543

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: N89228 **Project#:** 1793.0030S000

Client: Romx Assot iak€s **Location:** AB&I Formdgy

Type: BS **Diln Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC1083222 **Batch#:** 319222 **Analysis:** EPA 8260B

Matrix: Soil **Analyzed:** 07/31/23 **Analyst:** EJB

QC1083222 Analyte	Spiked	Result	%REC	Limits	Units
TPH Gasoline	0.5000	0.N153	83	70,130	- D/c D
1h1,r it ulogpeKiene		z A			
Ben4ene		z A			
Culogpben4ene		z A			
MTBE		z A			
Tolmene		z A			
Tgit ulogpeKiene		z A			

QC1083222 Surrogate	%REC	Limits
r ibgp- oflmogp- eKiane	97	70,130
1h2,r it ulogpeKiane,dN	97	70,1N5
Tolmene,d8	100	70,1N5
Bgp- oflmogpben4ene	101	70,1N5

Type: BSr **Diln Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC1083223 **Batch#:** 319222 **Analysis:** EPA 8260B

Matrix: Soil **Analyzed:** 07/31/23 **Analyst:** EJB

QC1083223 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
TPH Gasoline	0.5000	0.N599	92	70,130	- D/c D	10	20
1h1,r it ulogpeKiene		z A					
Ben4ene		z A					
Culogpben4ene		z A					
MTBE		z A					
Tolmene		z A					
Tgit ulogpeKiene		z A					

QC1083223 Surrogate	%REC	Limits
r ibgp- oflmogp- eKiane	97	70,130
1h2,r it ulogpeKiane,dN	97	70,1N5
Tolmene,d8	100	70,1N5
Bgp- oflmogpben4ene	99	70,1N5

LeDend

NA: z okAnaly4ed

RPD: Relakive Pegt enKr iffegent e

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 289oo8 **Project#:** 1h93.0030S000

Client: Ri r x Assi Klaœs **Location:** AB&I Fi r ndDy

Type: BS **Diln Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC1082139 **Batch#:** 319536 **Analysis:** EPA 8o60B

Matrix: Si l7 **Analyzed:** 08/03/o3 **Analyst:** LYZ

QC1084139 Analyte	Spiked	Result	%REC	Limits	Units
TPH Gasi 7ne		4 A			
1-1rg lK, 7 D eç ene	50.00	58.hh	118	h0m131	r t /Nt
Benzene	50.00	5o.11	102	h0m130	r t /Nt
C, 7 D benzene	50.00	51.06	10o	h0m130	r t /Nt
MTBE	50.00	20.10	80	69m130	r t /Nt
Ti 7r ene	50.00	5o.00	102	h0m130	r t /Nt
TDK, 7 D eç ene	50.00	51.1h	10o	h0m130	r t /Nt

QC1084139 Surrogate	%REC	Limits
g lbD u i f7r i D u eç ane	103	h0m130
1-org lK, 7 D eç anem2	100	h0m125
Ti 7r enem8	10o	h0m125
BD u i f7r i D benzene	101	h0m125

Type: BSg **Diln Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC1082120 **Batch#:** 319536 **Analysis:** EPA 8o60B

Matrix: Si l7 **Analyzed:** 08/03/o3 **Analyst:** LYZ

QC1084140 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
TPH Gasi 7ne		4 A					
1-1rg lK, 7 D eç ene	50.00	55.85	11o	h0m131	r t /Nt	5	33
Benzene	50.00	50.08	100	h0m130	r t /Nt	2	30
C, 7 D benzene	50.00	29.11	98	h0m130	r t /Nt	2	30
MTBE	50.00	38.h2	hh	69m130	r t /Nt	3	30
Ti 7r ene	50.00	50.o1	100	h0m130	r t /Nt	2	30
TDK, 7 D eç ene	50.00	28.h3	9h	h0m130	r t /Nt	5	30

QC1084140 Surrogate	%REC	Limits
g lbD u i f7r i D u eç ane	10o	h0m130
1-org lK, 7 D eç anem2	99	h0m125
Ti 7r enem8	101	h0m125
BD u i f7r i D benzene	101	h0m125

Let end

NA: 4 i cAna7yzed

RPD: Re7adve PeDKencg IffeDenKe

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 289oo8 **Project#:** 1493.0030S000

Client: Ri ux Assi clates **Location:** AB&I Fi undry

Type: BS **Diln Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC1082121 **Batch#:** 319536 **Analysis:** EPA 8o60B

Matrix: Si l7 **Analyzed:** 08/03/o3 **Analyst:** LYZ

QC1084141 Analyte	Spiked	Result	%REC	Limits	Units
TPH Gasi 7ne	0.5000	0.5420	115	40-130	mg/Kg
1,1-Dlch7 ri ethene		NA			
Benzene		NA			
Ch7 ri benzene		NA			
MTBE		NA			
Ti 7uene		NA			
Trlch7 ri ethene		NA			

QC1084141 Surrogate	%REC	Limits
Dlbri mi f7ui ri methane	99	40-130
1,o-Dlch7 ri ethane-d2	100	40-125
Ti 7uene-d8	100	40-125
Bri mi f7ui ri benzene	101	40-125

Type: BSD **Diln Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC108212o **Batch#:** 319536 **Analysis:** EPA 8o60B

Matrix: Si l7 **Analyzed:** 08/03/o3 **Analyst:** LYZ

QC1084142 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
TPH Gasi 7ne	0.5000	0.5236	109	40-130	mg/Kg	5	o0
1,1-Dlch7 ri ethene		NA					
Benzene		NA					
Ch7 ri benzene		NA					
MTBE		NA					
Ti 7uene		NA					
Trlch7 ri ethene		NA					

QC1084142 Surrogate	%REC	Limits
Dlbri mi f7ui ri methane	100	40-130
1,o-Dlch7 ri ethane-d2	101	40-125
Ti 7uene-d8	100	40-125
Bri mi f7ui ri benzene	99	40-125

Legend

NA: Ni t Ana7yzed

RPD: Re7atlve Percent Dlfference

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: BLANK **Dil'n Fac:** 50.00 **Prep:** EPA 5030B

Lab ID: QC1084144 **Batch#:** 319536 **Analysis:** EPA 8260B

Matrix: Soil **Analyzed:** 08/03/23 **Analyst:** HMN

QC1084144 Analyte	Result	RL	Units
TPH Gasoline	ND	50	mg/Kg
1,1-Dichloroethane	ND	250	ug/Kg
1,1-Dichloroethene	ND	250	ug/Kg
1,1-Dichloropropene	ND	250	ug/Kg
1,1,1-Trichloroethane	ND	250	ug/Kg
1,1,1,2-Tetrachloroethane	ND	250	ug/Kg
1,1,2-Trichloroethane	ND	250	ug/Kg
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg
1,2-Dibromo-3-Chloropropane	ND	250	ug/Kg
1,2-Dibromoethane	ND	250	ug/Kg
1,2-Dichlorobenzene	ND	250	ug/Kg
1,2-Dichloroethane	ND	250	ug/Kg
1,2-Dichloropropane	ND	250	ug/Kg
1,2,3-Trichlorobenzene	ND	250	ug/Kg
1,2,3-Trichloropropane	ND	250	ug/Kg
1,2,4-Trichlorobenzene	ND	250	ug/Kg
1,2,4-Trimethylbenzene	ND	250	ug/Kg
1,3-Dichlorobenzene	ND	250	ug/Kg
1,3-Dichloropropane	ND	250	ug/Kg
1,3,5-Trimethylbenzene	ND	250	ug/Kg
1,4-Dichlorobenzene	ND	250	ug/Kg
2-Butanone	ND	5,000	ug/Kg
2-Chlorotoluene	ND	250	ug/Kg
2,2-Dichloropropane	ND	250	ug/Kg
4-Chlorotoluene	ND	250	ug/Kg
4-Methyl-2-Pentanone	ND	250	ug/Kg
Acetone	ND	5,000	ug/Kg
Benzene	ND	250	ug/Kg
Bromobenzene	ND	250	ug/Kg
Bromochloromethane	ND	250	ug/Kg
Bromodichloromethane	ND	250	ug/Kg
Bromoform	ND	250	ug/Kg
Bromomethane	ND	250	ug/Kg
Carbon Tetrachloride	ND	250	ug/Kg
Chlorobenzene	ND	250	ug/Kg
Chloroethane	ND	250	ug/Kg
Chloroform	ND	250	ug/Kg
Chloromethane	ND	250	ug/Kg
cis-1,2-Dichloroethene	ND	250	ug/Kg
cis-1,3-Dichloropropene	ND	250	ug/Kg
Dibromochloromethane	ND	250	ug/Kg
Dibromomethane	ND	250	ug/Kg

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

QC1084144 Analyte	Result	RL	Units
Ethylbenzene	ND	250	ug/Kg
Freon 113	ND	250	ug/Kg
Freon 12	ND	250	ug/Kg
Hexachlorobutadiene	ND	250	ug/Kg
Isopropylbenzene	ND	250	ug/Kg
Methylene Chloride	ND	500	ug/Kg
MTBE	ND	250	ug/Kg
n-Butylbenzene	ND	250	ug/Kg
Naphthalene	ND	250	ug/Kg
para-Isopropyl Toluene	ND	250	ug/Kg
Propylbenzene	ND	250	ug/Kg
sec-Butylbenzene	ND	250	ug/Kg
Styrene	ND	250	ug/Kg
tert-Butylbenzene	ND	250	ug/Kg
Tetrachloroethene	ND	250	ug/Kg
Toluene	ND	250	ug/Kg
trans-1,2-Dichloroethene	ND	250	ug/Kg
trans-1,3-Dichloropropene	ND	250	ug/Kg
Trichloroethene	ND	250	ug/Kg
Trichlorofluoromethane	ND	250	ug/Kg
Vinyl Chloride	ND	250	ug/Kg
m,p-Xylenes	ND	500	ug/Kg
o-Xylene	ND	250	ug/Kg

QC1084144 Surrogate	%REC	Limits
Dibromofluoromethane	99	70-130
1,2-Dichloroethane-d4	100	70-145
Toluene-d8	100	70-145
Bromofluorobenzene	97	70-145

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 489228 **Project#:** 579Q0 . Q S. . .

Client: Roux Associates **Location:** AB&I Foundry

Type: BLANK **Diln Fac:** 50 . . **Prep:** EPA 3. Q B

Lab ID: C1 5. 84543 **Batch#:** Q593Q6 **Analysis:** EPA 826. B

Matrix: Soil **Analyzed:** . 8/. Q2Q **Analyst:** HMN

QC1084145 Analyte	Result	RL	Units
TPH Gasoline	ND	50	mg/Kg
5,5-Dichloroethane	ND	30	ug/Kg
5,5-Dichloroethene	ND	30	ug/Kg
5,5-Dichloropropene	ND	30	ug/Kg
5,5,5-Trichloroethane	ND	30	ug/Kg
5,5,5,2-Tetrachloroethane	ND	30	ug/Kg
5,5,2-Trichloroethane	ND	30	ug/Kg
5,5,2,2-Tetrachloroethane	ND	30	ug/Kg
5,2-Dibromo-Q-1 hloropropane	ND	30	ug/Kg
5,2-Dibromoethane	ND	30	ug/Kg
5,2-Dichlorobenzene	ND	30	ug/Kg
5,2-Dichloroethane	ND	30	ug/Kg
5,2-Dichloropropane	ND	30	ug/Kg
5,2,Q-Trichlorobenzene	ND	30	ug/Kg
5,2,Q-Trichloropropane	ND	30	ug/Kg
5,2,4-Trichlorobenzene	ND	30	ug/Kg
5,2,4-Trimethylbenzene	ND	30	ug/Kg
5,Q-Dichlorobenzene	ND	30	ug/Kg
5,Q-Dichloropropane	ND	30	ug/Kg
5,Q3-Trimethylbenzene	ND	30	ug/Kg
5,4-Dichlorobenzene	ND	30	ug/Kg
2-Butanone	ND	5. .	ug/Kg
2-1 hlorotoluene	ND	30	ug/Kg
2,2-Dichloropropane	ND	30	ug/Kg
4-1 hlorotoluene	ND	30	ug/Kg
4-Methyl-2-Pentanone	ND	30	ug/Kg
Acetone	ND	5. .	ug/Kg
Benzene	ND	30	ug/Kg
Bromobenzene	ND	30	ug/Kg
Bromochloromethane	ND	30	ug/Kg
Bromodichloromethane	ND	30	ug/Kg
Bromoform	ND	30	ug/Kg
Bromomethane	ND	30	ug/Kg
1 arbon Tetrachloride	ND	30	ug/Kg
1 hlorobenzene	ND	30	ug/Kg
1 hloroethane	ND	30	ug/Kg
1 hloroform	ND	30	ug/Kg
1 hloromethane	ND	30	ug/Kg
cis-5,2-Dichloroethene	ND	30	ug/Kg
cis-5,Q-Dichloropropene	ND	30	ug/Kg
Dibromochloromethane	ND	30	ug/Kg
Dibromomethane	ND	30	ug/Kg

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 489228 **Project#:** 579QQ . Q S. . .

Client: Roux Associates **Location:** AB&I Foundry

QC1084145 Analyte	Result	RL	Units
Ethylbenzene	ND	30	ug/Kg
Freon 55Q	ND	30	ug/Kg
Freon 52	ND	30	ug/Kg
Hexachlorobutadiene	ND	30	ug/Kg
Isopropylbenzene	ND	30	ug/Kg
Methylene 1 hloride	ND	5.	ug/Kg
MTBE	ND	30	ug/Kg
n-Butylbenzene	ND	30	ug/Kg
Naphthalene	ND	30	ug/Kg
para-Isopropyl Toluene	ND	30	ug/Kg
Propylbenzene	ND	30	ug/Kg
sec-Butylbenzene	ND	30	ug/Kg
Styrene	ND	30	ug/Kg
tert-Butylbenzene	ND	30	ug/Kg
Tetrachloroethene	ND	30	ug/Kg
Toluene	ND	30	ug/Kg
trans-5,2-Dichloroethene	ND	30	ug/Kg
trans-5,Q-Dichloropropene	ND	30	ug/Kg
Trichloroethene	ND	30	ug/Kg
Trichlorofluoromethane	ND	30	ug/Kg
Vinyl 1 hloride	ND	30	ug/Kg
m,p-Xylenes	ND	5.	ug/Kg
o-Xylene	ND	30	ug/Kg

QC1084145 Surrogate	%REC	Limits
Dibromofluoromethane	5. .	7. -5Q
5,2-Dichloroethane-d4	5. 5	7. -543
Toluene-d8	5. 5	7. -543
Bromofluorobenzene	98	7. -543

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

California Title 22 Metals

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-10-5.0 **Matrix:** Soil **Sampled:** 07/26/23 **Prepared:** 07/28/23

Lab ID: 489228-001 **Basis:** as received **Received:** 07/26/23 **Analyzed:** 07/28/23

489228-001 Analyte	Result	RL	Units	Diln Fac	Batch#	Prep	Analysis	Analyst
Antimony	ND	0.96	mg/Kg	1.000	319139	EPA 3050B	EPA 6020	JCP
Arsenic	**7.2**	0.96	mg/Kg	1.000	319139	EPA 3050B	EPA 6020	JCP
Barium	**260**	9.6	mg/Kg	10.00	319139	EPA 3050B	EPA 6020	JCP
Beryllium	ND	0.96	mg/Kg	1.000	319139	EPA 3050B	EPA 6020	JCP
Cadmium	ND	0.48	mg/Kg	1.000	319139	EPA 3050B	EPA 6020	JCP
Chromium	**67**	0.96	mg/Kg	1.000	319139	EPA 3050B	EPA 6020	JCP
Cobalt	**10**	0.96	mg/Kg	1.000	319139	EPA 3050B	EPA 6020	JCP
Copper	**37**	0.96	mg/Kg	1.000	319139	EPA 3050B	EPA 6020	JCP
Lead	**10**	0.48	mg/Kg	1.000	319139	EPA 3050B	EPA 6020	JCP
Mercury	ND	0.16	mg/Kg	1.000	319143	METHOD	EPA 7471A	KAM
Molybdenum	ND	0.96	mg/Kg	1.000	319139	EPA 3050B	EPA 6020	JCP
Nickel	**56**	0.96	mg/Kg	1.000	319139	EPA 3050B	EPA 6020	JCP
Selenium	ND	1.9	mg/Kg	1.000	319139	EPA 3050B	EPA 6020	JCP
Silver	ND	0.48	mg/Kg	1.000	319139	EPA 3050B	EPA 6020	JCP
Thallium	ND	0.96	mg/Kg	1.000	319139	EPA 3050B	EPA 6020	JCP
Vanadium	**66**	1.9	mg/Kg	1.000	319139	EPA 3050B	EPA 6020	JCP
Zinc	**74**	4.8	mg/Kg	1.000	319139	EPA 3050B	EPA 6020	JCP

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

7alif. bPia TiRe 22 s ePalt

map h: s r44 **Lb. jexRh:** 13r a500a0e000

7 liePR: RcuxodSSc7/. nlS **m xaR. P:** dB&IdFcuA6im

Field ID: MW-10-1050 **Mat it :** . Soil 7l /2l 6 **r exeiSed:** 0384984a

map ID: s r44 -004 **DilP Fax:** 15000 **LbeBabed:** 0384 84a

s aRic: ec/v **vaA Bled:** 0384984a **nPalyzed:** 0384 84a

489228-002 nPalyRe	r et 1lR	r m	uPiR	MaRxUh	LbeB	nPalyt it	nPalyt R
dAn/t cAm	y N	05i 3	t D8gD	a1r 1ar	KEdoa0P0B	KEdo9040	JCE
nbt ePix	**8#4**	05i 3	t D8gD	a1r 1ar	KEdoa0P0B	KEdo9040	JCE
Mabi1A	**290**	05i 3	t D8gD	a1r 1ar	KEdoa0P0B	KEdo9040	JCE
Bl imw/ut	y N	05i 3	t D8gD	a1r 1ar	KEdoa0P0B	KEdo9040	JCE
C. 6t /ut	y N	05sr	t D8gD	a1r 1ar	KEdoa0P0B	KEdo9040	JCE
7 Ub. Ai1A	**6C**	05i 3	t D8gD	a1r 1ar	KEdoa0P0B	KEdo9040	JCE
7 . palR	**o2**	05i 3	t D8gD	a1r 1ar	KEdoa0P0B	KEdo9040	JCE
7 . BBeb	**34**	05i 3	t D8gD	a1r 1ar	KEdoa0P0B	KEdo9040	JCE
mead	**9#b**	05sr	t D8gD	a1r 1ar	KEdoa0P0B	KEdo9040	JCE
Ml i7uim	y N	05lP	t D8gD	a1r 1sa	MKTHON	KEdo8s31d	gdM
Mcvmb6l Aut	y N	05i 3	t D8gD	a1r 1ar	KEdoa0P0B	KEdo9040	JCE
Nixkel	**5C**	05i 3	t D8gD	a1r 1ar	KEdoa0P0B	KEdo9040	JCE
el vl A/ut	y N	15i	t D8gD	a1r 1ar	KEdoa0P0B	KEdo9040	JCE
e/\2l i	y N	05sr	t D8gD	a1r 1ar	KEdoa0P0B	KEdo9040	JCE
Th. w/ut	y N	05i 3	t D8gD	a1r 1ar	KEdoa0P0B	KEdo9040	JCE
VaPadi1A	**66**	15i	t D8gD	a1r 1ar	KEdoa0P0B	KEdo9040	JCE
ZiPx	**69**	s5i	t D8gD	a1r 1ar	KEdoa0P0B	KEdo9040	JCE

LlDlA6

ND: y cmNl ri 7rl 6

r m: RIpcinlADbL/t /n

ENTHALPY ANALYTICAL

CalifobPia TiRe 22 s eRalt

map #: r e99r
LbojexR#: 18es.00s0c 000
CliePR: RvuxiAoov/ 2St7o
moxaRioP: AB&liFvun3ly

Field ID: MW-10-15.0
Mat it : Soil7/ 72673
r exeiSed: 0849a49s
map ID: r e99r-00s
DilP Fax: 1.000
LbeBabed: 0849r 49s
s aRic: c v2l
vaA Bled: 0849a49s
nPalyzed: 0849r 49s

489228-001 nPalyRe	r et ulR	r m	UPiR	MaRxh#	LbeB	nPalyt it	nPalyt R
Ant2mvny	ND	0.e5	mg4Kg	s1e1se	EPAis050B	EPAia090	JCP
nbt ePix	**479**	0.e5	mg4Kg	s1e1se	EPAis050B	EPAia090	JCP
MabiuA	**. 60**	0.e5	mg4Kg	s1e1se	EPAis050B	EPAia090	JCP
B7lyd2um	ND	0.e5	mg4Kg	s1e1se	EPAis050B	EPAia090	JCP
CS3m2um	ND	0. r	mg4Kg	s1e1se	EPAis050B	EPAia090	JCP
ChboA iuA	**36**	0.e5	mg4Kg	s1e1se	EPAis050B	EPAia090	JCP
CopalR	**. 1**	0.e5	mg4Kg	s1e1se	EPAis050B	EPAia090	JCP
CoBBeb	**21**	0.e5	mg4Kg	s1e1se	EPAis050B	EPAia090	JCP
mead	**874**	0. r	mg4Kg	s1e1se	EPAis050B	EPAia090	JCP
M7l/ uly	ND	0.1a	mg4Kg	s1e1 s	METHOD	EPAi8 81A	KAM
Mvdyb37num	ND	0.e5	mg4Kg	s1e1se	EPAis050B	EPAia090	JCP
Nixkel	**55**	0.e5	mg4Kg	s1e1se	EPAis050B	EPAia090	JCP
c7d7n2um	ND	1.e	mg4Kg	s1e1se	EPAis050B	EPAia090	JCP
c2667l	ND	0. r	mg4Kg	s1e1se	EPAis050B	EPAia090	JCP
ThSd2um	ND	0.e5	mg4Kg	s1e1se	EPAis050B	EPAia090	JCP
VaPadiuA	**42**	1.e	mg4Kg	s1e1se	EPAis050B	EPAia090	JCP
ZiPx	**48**	.r	mg4Kg	s1e1se	EPAis050B	EPAia090	JCP

L7g7n3
ND: NvtiD7t7/ t73
r m: R7pvlt2ngiL2n2

ENTHALPY ANALYTICAL

California Title 22 Metals

Lab #: ar 99a **Project#:** 18r s5 . s. e. . .

Client: RcuxiAooc/ 2St7o **Location:** AB&liFcun3ly

Field ID: MW-11-05 **Basis:** Soil 7/ 72673 **Prepared:** . 849a49s

Lab ID: ar 99a-. . **Sampled:** . 84904 9s

Matrix: e c2v **Received:** . 849d49s

489228-004 Analyte	Result	RL	Units	Diln Fac	Batch#	Analyzed	Prep	Analysis	Analyst
Ant2mcny	ND	. 5r	mg4Kg	15 . .	s1r 1sr	. 849a49s	EPAis. 0. B	EPAid. 9.	JCP
Arsenic	**9.4**	. 5r	mg4Kg	15 . .	s1r 1sr	. 849a49s	EPAis. 0. B	EPAid. 9.	JCP
Barium	**300**	. 5r	mg4Kg	15 . .	s1r 1sr	. 849a49s	EPAis. 0. B	EPAid. 9.	JCP
B7lyw2um	ND	. 5r	mg4Kg	15 . .	s1r 1sr	. 849a49s	EPAis. 0. B	EPAid. 9.	JCP
Cadmium	**3.0**	. 50.	mg4Kg	15 . .	s1r 1sr	. 849a49s	EPAis. 0. B	EPAid. 9.	JCP
Chromium	**89**	. 5r	mg4Kg	15 . .	s1r 1sr	. 849a49s	EPAis. 0. B	EPAid. 9.	JCP
Cobalt	**34**	. 5r	mg4Kg	15 . .	s1r 1sr	. 849a49s	EPAis. 0. B	EPAid. 9.	JCP
Copper	**49**	. 5r	mg4Kg	15 . .	s1r 1sr	. 849a49s	EPAis. 0. B	EPAid. 9.	JCP
Lead	**76**	. 50.	mg4Kg	15 . .	s1r 1sr	. 849a49s	EPAis. 0. B	EPAid. 9.	JCP
Mercury	**0.20**	. 5l	mg4Kg	15 . .	s1r1 s	. 849a49s	METHOD	EPAi8 81A	KAM
Mcwyb37num	ND	. 5r	mg4Kg	15 . .	s1r 1sr	. 849a49s	EPAis. 0. B	EPAid. 9.	JCP
Nickel	**220**	. 5r	mg4Kg	15 . .	s1r 1sr	. 849a49s	EPAis. 0. B	EPAid. 9.	JCP
e7v7n2um	ND	95	mg4Kg	15 . .	s1r 1sr	. 849a49s	EPAis. 0. B	EPAid. 9.	JCP
e2671	ND	. 50.	mg4Kg	15 . .	s1r 1sr	. 849a49s	EPAis. 0. B	EPAid. 9.	JCP
ThSw2um	ND	. 5r	mg4Kg	15 . .	s1r 1sr	. 849a49s	EPAis. 0. B	EPAid. 9.	JCP
Vanadium	**70**	95	mg4Kg	15 . .	s1r 1sr	. 849a49s	EPAis. 0. B	EPAid. 9.	JCP
Zinc	**2,200**	r r	mg4Kg	9. 5 .	s1r 1sr	. 84s149s	EPAis. 0. B	EPAid. 9.	JCP

L7g7n3

ND: NctiD7t7/ t73

RL: R7pcIt2ngiL2n2

ENTHALPY ANALYTICAL

California Title 22 Metals

Lab #: s r44 **Project#:** 13ra500a0c000

Client: RvuxoASSv7/.tl S **Location:** AB&IdFvun6iy

Field ID: MW-11-1050 **Basis:** .Soil 7l /2l 6 **Received:** 0384984a

Lab ID: s r44 -00e **DilnFac:** 15000 **Prepared:** 0384 84a

Matrix: cv/d **Sampled:** 0384e84a **Analyzed:** 0384 84a

489228-005 Analyte	Result	RL	Units	Batch#	Prep	Analysis	Analyst
Ant/mvny	ND	05r3	mg8Kg	a1r1ar	EPAca0e0B	EPAc9040	JCP
Arsenic	**5.1**	05r3	mg8Kg	a1r1ar	EPAca0e0B	EPAc9040	JCP
Barium	**320**	05r3	mg8Kg	a1r1ar	EPAca0e0B	EPAc9040	JCP
Bliyddum	ND	05r3	mg8Kg	a1r1ar	EPAca0e0B	EPAc9040	JCP
C.6m/um	ND	05sr	mg8Kg	a1r1ar	EPAca0e0B	EPAc9040	JCP
Chromium	**59**	05r3	mg8Kg	a1r1ar	EPAca0e0B	EPAc9040	JCP
Cobalt	**9.5**	05r3	mg8Kg	a1r1ar	EPAca0e0B	EPAc9040	JCP
Copper	**34**	05r3	mg8Kg	a1r1ar	EPAca0e0B	EPAc9040	JCP
Lead	**15**	05sr	mg8Kg	a1r1ar	EPAca0e0B	EPAc9040	JCP
Mli7uiy	ND	05l9	mg8Kg	a1r1sa	METHOD	EPAc8s31A	KAM
Mvdyb6lnum	ND	05r3	mg8Kg	a1r1ar	EPAca0e0B	EPAc9040	JCP
Nickel	**55**	05r3	mg8Kg	a1r1ar	EPAca0e0B	EPAc9040	JCP
cldn/um	ND	15r	mg8Kg	a1r1ar	EPAca0e0B	EPAc9040	JCP
c/d2li	ND	05sr	mg8Kg	a1r1ar	EPAca0e0B	EPAc9040	JCP
Th.ddum	ND	05r3	mg8Kg	a1r1ar	EPAca0e0B	EPAc9040	JCP
Vanadium	**47**	15r	mg8Kg	a1r1ar	EPAca0e0B	EPAc9040	JCP
Zinc	**78**	s5r	mg8Kg	a1r1ar	EPAca0e0B	EPAc9040	JCP

LIgln6

ND: NvtoDltl7tl6

RL: Rlpvit/ngdL/m/t

ENTHALPY ANALYTICAL

CalifobPia TiRe 22 s eRalt

map #: 0 r 99 **LbojexR#:** 18r s5 . s. e. . .

CliePR: RcuxiAooc/2St7o **moxaRioP:** AB&liFcun3ly

Field ID: MW-11-105 **Mat it :** Soil7/72673 **r exeiSed:** . 849a49s

map ID: 0 r99 -. . a **DilP Fax:** 15 . . **LbeBabed:** . 849 49s

s aRic: ec2v **vaA Bled:** . 849d49s **nPalyzed:** . 849 49s

489228-001 nPalyRe	r et ulR	r m	UPiR	MaRxh#	LbeB	nPalyt it	nPalyt R
Ant2mcny	ND	. 5 8	mg4Kg	s1r 1sr	EPAis. d. B	EPAia. 9.	JCP
nbt ePix	**17**	. 5 8	mg4Kg	s1r 1sr	EPAis. d. B	EPAia. 9.	JCP
MabiuA	**6. 0**	. 5 8	mg4Kg	s1r 1sr	EPAis. d. B	EPAia. 9.	JCP
B7lyw2um	ND	. 5 8	mg4Kg	s1r 1sr	EPAis. d. B	EPAia. 9.	JCP
CS3m2um	ND	. 50r	mg4Kg	s1r 1sr	EPAis. d. B	EPAia. 9.	JCP
ChboA iuA	**39**	. 5 8	mg4Kg	s1r 1sr	EPAis. d. B	EPAia. 9.	JCP
CopaIR	**6N**	. 5 8	mg4Kg	s1r 1sr	EPAis. d. B	EPAia. 9.	JCP
CoBBeb	**2.**	. 5 8	mg4Kg	s1r 1sr	EPAis. d. B	EPAia. 9.	JCP
mead	**63**	. 50r	mg4Kg	s1r 1sr	EPAis. d. B	EPAia. 9.	JCP
M7l/uly	ND	. 5 a	mg4Kg	s1r 10s	METHOD	EPAi8081A	KAM
Mcwyb37num	ND	. 5 8	mg4Kg	s1r 1sr	EPAis. d. B	EPAia. 9.	JCP
kix5el	**49**	. 5 8	mg4Kg	s1r 1sr	EPAis. d. B	EPAia. 9.	JCP
e7v7n2um	ND	15	mg4Kg	s1r 1sr	EPAis. d. B	EPAia. 9.	JCP
e2667l	ND	. 50r	mg4Kg	s1r 1sr	EPAis. d. B	EPAia. 9.	JCP
ThSw2um	ND	. 5 8	mg4Kg	s1r 1sr	EPAis. d. B	EPAia. 9.	JCP
VaPadiuA	**N0**	15	mg4Kg	s1r 1sr	EPAis. d. B	EPAia. 9.	JCP
ZiPx	**NN**	05	mg4Kg	s1r 1sr	EPAis. d. B	EPAia. 9.	JCP

L7g7n3

kD: NctiD7t7/t73

r m: R7pcIt2ngiL2n2

ENTHALPY ANALYTICAL

California Title 22 Metals

Lab #: r e99r **Project#:** 18es5 . s. c . . .

Client: RvuxiAoov/ 2St7o **Location:** AB&liFvun3ly

Field ID: MW-11-105 **Basis:** Soil7/ 72673 **Received:** . 849a49s

Lab ID: r e99r -. . 8 **DiIn Fac:** 15 . . **Prepared:** . 849r 49s

Matrix: c v2l **Sampled:** . 84904 9s **Analyzed:** . 849r 49s

489228-005 Analyte	Result	RL	Units	Batch#	Prep	Analysis	Analyst
Ant2mvny	ND	. 5ea	mg4Kg	s1e1se	EPAis. 0. B	EPAia. 9.	JCP
Arsenic	**. 18**	. 5ea	mg4Kg	s1e1se	EPAis. 0. B	EPAia. 9.	JCP
Barium	**390**	. 5ea	mg4Kg	s1e1se	EPAis. 0. B	EPAia. 9.	JCP
B7lyd2um	ND	. 5ea	mg4Kg	s1e1se	EPAis. 0. B	EPAia. 9.	JCP
CS3m2um	ND	. 5 r	mg4Kg	s1e1se	EPAis. 0. B	EPAia. 9.	JCP
Chromium	**N.**	. 5ea	mg4Kg	s1e1se	EPAis. 0. B	EPAia. 9.	JCP
Cobalt	**32**	. 5ea	mg4Kg	s1e1se	EPAis. 0. B	EPAia. 9.	JCP
Copper	**22**	. 5ea	mg4Kg	s1e1se	EPAis. 0. B	EPAia. 9.	JCP
Lead	**81N**	. 5 r	mg4Kg	s1e1se	EPAis. 0. B	EPAia. 9.	JCP
M7l/ uly	ND	. 510	mg4Kg	s1e1 s	METHOD	EPAi8 81A	KAM
Mvdyb37num	ND	. 5ea	mg4Kg	s1e1se	EPAis. 0. B	EPAia. 9.	JCP
k icVel	**52**	. 5ea	mg4Kg	s1e1se	EPAis. 0. B	EPAia. 9.	JCP
c 7d7n2um	ND	15e	mg4Kg	s1e1se	EPAis. 0. B	EPAia. 9.	JCP
c 2667l	ND	. 5 r	mg4Kg	s1e1se	EPAis. 0. B	EPAia. 9.	JCP
ThSd2um	ND	. 5ea	mg4Kg	s1e1se	EPAis. 0. B	EPAia. 9.	JCP
7anadium	**. 4**	15e	mg4Kg	s1e1se	EPAis. 0. B	EPAia. 9.	JCP
Zinc	**N4**	5r	mg4Kg	s1e1se	EPAis. 0. B	EPAia. 9.	JCP

L7g7n3

k D: NvtiD7t7/ t73

RL: R7pvlt2ngiL2n2

ENTHALPY ANALYTICAL

. alifox2ia TiBe zz b eBalt

map U: ar 00a
. lie2B: RcuxlAi i c26ot/ i
r xojecBJ: 14r s.SSsSe SSS
mocaBo2: AB&llFcun87y

Field ID: MW-10-5.S
map ID: ar 00a-SSa
b aBxis: e c6v
Mat it : oi l7/ 2/ 63/ 8
PaL Sled: S49059 0s
Received: S490d90s
r xeSaxed: S490a90s

Anyzzn4B8n 9 2al- Be	Ret 0lB	Rm 1 2iB	Dil2 Fac	MaBcuU	9 2al- hed	r xeS	9 2al- t it	9 2al- t B
Ant6mcny	ND	S.r d mg9Kg	1.SSS	s1r 1sr	S490a90s	EPAlsS5SB	EPAldS0S	JCP
9 xt e2ic	**z#n**	S.r d mg9Kg	1.SSS	s1r 1sr	S490a90s	EPAlsS5SB	EPAldS0S	JCP
Maxi0L	**z78**	S.r d mg9Kg	1.SSS	s1r 1sr	S490a90s	EPAlsS5SB	EPAldS0S	JCP
B/ 7yw6um	ND	S.r d mg9Kg	1.SSS	s1r 1sr	S490a90s	EPAlsS5SB	EPAldS0S	JCP
. adL i0L	**8#6C**	S. a mg9Kg	1.SSS	s1r 1sr	S490a90s	EPAlsS5SB	EPAldS0S	JCP
. uxoL i0L	**zn**	S.r d mg9Kg	1.SSS	s1r 1sr	S490a90s	EPAlsS5SB	EPAldS0S	JCP
. opalB	**7#3**	S.r d mg9Kg	1.SSS	s1r 1sr	S490a90s	EPAlsS5SB	EPAldS0S	JCP
. oSSex	**zN**	S.r d mg9Kg	1.SSS	s1r 1sr	S490a90s	EPAlsS5SB	EPAldS0S	JCP
mead	**nN**	S. a mg9Kg	1.SSS	s1r 1sr	S490a90s	EPAlsS5SB	EPAldS0S	JCP
M/ 72u7y	ND	S.1d mg9Kg	1.SSS	s1r1 s	S490a90s	METHOD	EPAl4 41A	KAM
Mcwyb8/ num	ND	S.r d mg9Kg	1.SSS	s1r 1sr	S490a90s	EPAlsS5SB	EPAldS0S	JCP
k ic5el	**zn**	S.r d mg9Kg	1.SSS	s1r 1sr	S490a90s	EPAlsS5SB	EPAldS0S	JCP
e/ V n6um	ND	1.r mg9Kg	1.SSS	s1r 1sr	S490a90s	EPAlsS5SB	EPAldS0S	JCP
e68/ 7	ND	S. a mg9Kg	1.SSS	s1r 1sr	S490a90s	EPAlsS5SB	EPAldS0S	JCP
Thow6um	ND	S.r d mg9Kg	1.SSS	s1r 1sr	S490a90s	EPAlsS5SB	EPAldS0S	JCP
Va2adi0L	**zA**	1.r mg9Kg	1.SSS	s1r 1sr	S490a90s	EPAlsS5SB	EPAldS0S	JCP
Zi2c	**Cy8**	r d mg9Kg	0S.SS	s1r 1sr	S49s190s	EPAlsS5SB	EPAldS0S	JCP

L/ g/ n8
k D: NctlD/ t/ 2t/ 8
Rm: R/ pc7t6ngIL6m6

ENTHALPY ANALYTICAL

CalifobPia TiRe 22 s ePalt

map h: s r 00 **LbojexRh:** 18r a.55a5e555

CliePR: RcuxiAooc/2St7o **moxaRioP:** AB&liFcun3ly

Field ID: MW-10-15.5 **Mat it :** Soil7/72673 **r exeiSed:** 584094 0a

map ID: s r 00 -55r **DilP Fax:** 1.555 **LbeBabed:** 584 0 40a

s aRic: e c2v **vaA Bled:** 584 0d40a **nPalyzed:** 584 0 40a

489228-009 nPalyRe	r et 1IR	r m	uPiR	MaRxUh	LbeB	nPalyt it	nPalyt R
Ant2mcny	ND	5.r d	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
nbt ePix	**#7**	5.r d	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
Mabi1A	**600**	5.r d	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
B7lyw2um	ND	5.r d	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
CS3m2um	ND	5.s	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
CUboA i1A	**##**	5.r d	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
CopaIR	**38**	5.r d	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
CoBBeb	**64**	5.r d	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
mead	**3N**	5.s	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
s ebx1by	**0739**	5.19	mg4Kg	a1r 1sa	METHOD	EPAi8s81A	KAM
Mcwyb37num	ND	5.r d	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
k ix5el	**#0**	5.r d	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
e7v7n2um	ND	1.r	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
e2367l	ND	5.s	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
ThSw2um	ND	5.r d	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
VaPadi1A	**. 9**	1.r	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
ZiPx	**#9**	s.	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP

L7g7n3

kD: NctiD7t7/t73

r m: R7pcIt2ngiL2n2

ENTHALPY ANALYTICAL

California Title 22 Metals

Lab #: r e00r **Project#:** 14es.SSs Sc SSS

Client: RvuxlAi i v26ot/ i **Location:** AB&llFvun87y

Field ID: MW-10-15.S **Basis:** oi l7 2/ 63/ 8 **Received:** S490a90s

Lab ID: r e00r -S1S **DiIn Fac:** 1.SSS **Prepared:** S490r 90s

Matrix: c v6l **Sampled:** S490590s **Analyzed:** S490r 90s

489228-010 Analyte	Result	RL	Units	Batch#	Prep	Analysis	Analyst
Ant6mvny	ND	S.er	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
Arsenic	**6.6**	S.er	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
Barium	**130**	S.er	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
B/ 7ydd6um	ND	S.er	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
Co8m6um	ND	S. e	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
Chromium	**52**	S.er	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
Cobalt	**12**	S.er	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
Copper	**24**	S.er	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
Lead	**11**	S. e	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
M/ 72u7y	ND	S.15	mg9Kg	s1e1 s	METHOD	EPAl4 41A	KAM
Mvdyb8/ num	ND	S.er	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
Nickel	**62**	S.er	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
c/ dn6um	ND	0.S	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
c6d8/ 7	ND	S. e	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
Thodd6um	ND	S.er	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
Vanadium	**44**	0.S	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
Zinc	**53**	.e	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP

L/ g/ n8

ND: NvtlD/ t/ 2t/ 8

RL: R/ pv76ngIL6n6

ENTHALPY ANALYTICAL

CalifobPia TiRe 22 s ePalt

map #: s r 00 **LbojexR#:** 18r a.55a5e555

CliePR: RcuxiAooc/2St7o **moxaRioP:** AB&liFcun3ly

Field ID: MW-10-05.5 **Mat it :** Soil7/72673 **r exeiSed:** 584094 0a

map ID: s r 00 -511 **DilP Fax:** 1.555 **LbeBabed:** 584 0 40a

s aRic: ec2v **vaA Bled:** 5840d40a **nPalyzed:** 584 0 40a

489228-011 nPalyRe	r et ulR	r m	UPiR	MaRxh#	LbeB	nPalyt it	nPalyt R
Ant2mcny	ND	5.r d	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
nbt ePix	**7.6**	5.r d	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
MabiuA	**200**	5.r d	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
B7lyw2um	ND	5.r d	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
CS3m2um	ND	5.s	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
ChboA iuA	**32**	5.r d	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
CopaIR	**16**	5.r d	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
CoBBeb	**26**	5.r d	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
mead	**11**	5.s	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
M7l/uly	ND	5.1d	mg4Kg	a1r 1sa	METHOD	EPAi8s81A	KAM
Mcwyb37num	ND	5.r d	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
Nixkel	**35**	5.r d	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
e7v7n2um	ND	1.r	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
e2667l	ND	5.s	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
ThSw2um	ND	5.r d	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
VaPadiuA	**45**	1.r	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP
ZiPx	**32**	s.	mg4Kg	a1r 1ar	EPAia5d5B	EPAi9505	JCP

L7g7n3

ND: NctiD7t7/t73

r m: R7pcIt2ngiL2n2

ENTHALPY ANALYTICAL

California Title 22 Metals

Lab #: r e00r **Project#:** 14es.SSs Sc SSS

Client: RvuxlAi i v26ot/ i **Location:** AB&llFvun87y

Field ID: MW-10-05.S **Basis:** oi l7/ 2/ 63/ 8 **Received:** S490a90s

Lab ID: r e00r -S10 **DiIn Fac:** 1.SSS **Prepared:** S490r 90s

Matrix: c v6l **Sampled:** S490590s **Analyzed:** S490r 90s

489228-012 Analyte	Result	RL	Units	Batch#	Prep	Analysis	Analyst
Ant6mvny	ND	S.e4	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
Arsenic	**16**	S.e4	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
Barium	**210**	S.e4	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
B/ 7ydd6um	ND	S.e4	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
Co8m6um	ND	S. e	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
Chromium	**56**	S.e4	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
Cobalt	**15**	S.e4	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
Copper	**39**	S.e4	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
Lead	**17**	S. e	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
M/ 72u7y	ND	S.15	mg9Kg	s1e1 s	METHOD	EPAl4 41A	KAM
Mvdyb8/ num	ND	S.e4	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
Nickel	**61**	S.e4	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
c/ dn6um	ND	1.e	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
c68/ 7	ND	S. e	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
Thodd6um	ND	S.e4	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
Vanadium	**75**	1.e	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP
Zinc	**90**	.e	mg9Kg	s1e1se	EPAlsS5SB	EPAlaS0S	JCP

L/ g/ n8

ND: NvtlD/ t/ 2t/ 8

RL: R/ pv76ngIL6n6

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: BLANK **Batch#:** 319139 **Analysis:** EPA 6020

Lab ID: QC1082935 **Prepared:** 07/28/23 **Analyst:** JCP

Matrix: Soil **Analyzed:** 07/28/23

DilN Fac: 1.000 **Prep:** EPA 3050B

QC1082935 Analyte	Result	RL	Units
Antimony	ND	1.0	mg/Kg
Arsenic	ND	1.0	mg/Kg
Barium	ND	1.0	mg/Kg
Beryllium	ND	1.0	mg/Kg
Cadmium	ND	0.50	mg/Kg
Chromium	ND	1.0	mg/Kg
Cobalt	ND	1.0	mg/Kg
Copper	ND	1.0	mg/Kg
Lead	ND	0.50	mg/Kg
Molybdenum	ND	1.0	mg/Kg
Nickel	ND	1.0	mg/Kg
Selenium	ND	2.0	mg/Kg
Silver	ND	0.50	mg/Kg
Thallium	ND	1.0	mg/Kg
Vanadium	ND	2.0	mg/Kg
Zinc	ND	5.0	mg/Kg

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: LCS **Batch#:** 319139 **Analysis:** EPA 6020

Lab ID: QC1082936 **Prepared:** 07/28/23 **Analyst:** JCP

Matrix: Soil **Analyzed:** 07/28/23

DilN Fac: 1.000 **Prep:** EPA 3050B

QC1082936 Analyte	Spiked	Result	%REC	Limits	Units
Antimony	100.0	99.47	99	80-120	mg/Kg
Arsenic	100.0	102.0	102	80-120	mg/Kg
Barium	100.0	103.2	103	80-120	mg/Kg
Beryllium	100.0	104.4	104	80-120	mg/Kg
Cadmium	100.0	103.6	104	80-120	mg/Kg
Chromium	100.0	100.9	101	80-120	mg/Kg
Cobalt	100.0	107.4	107	80-120	mg/Kg
Copper	100.0	105.7	106	80-120	mg/Kg
Lead	100.0	102.5	103	80-120	mg/Kg
Molybdenum	100.0	98.31	98	80-120	mg/Kg
Nickel	100.0	106.4	106	80-120	mg/Kg
Selenium	100.0	100.8	101	80-120	mg/Kg
Silver	50.00	51.44	103	80-120	mg/Kg
Thallium	100.0	99.53	100	80-120	mg/Kg
Vanadium	100.0	100.2	100	80-120	mg/Kg
Zinc	100.0	104.9	105	80-120	mg/Kg

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-10-5.0 **Basis:** as received **Analyzed:** 07/28/23

Type: MS **Batch#:** 319139 **Prep:** EPA 3050B

MSS Lab ID: 489228-001 **Sampled:** 07/26/23 **Analysis:** EPA 6020

Lab ID: QC1082937 **Received:** 07/26/23 **Analyst:** JCP

Matrix: Soil **Prepared:** 07/28/23

QC1082937 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units	Diln Fac
Antimony	0.5960	99.01	34.58	34 *	75-125	mg/Kg	1.000
Arsenic	7.225	99.01	104.4	98	75-125	mg/Kg	1.000
Barium	261.9	99.01	525.5	266 *	75-125	mg/Kg	10.00
Beryllium	0.8104	99.01	92.98	93	75-125	mg/Kg	1.000
Cadmium	<0.2781	99.01	99.19	100	75-125	mg/Kg	1.000
Chromium	67.48	99.01	158.3	92	75-125	mg/Kg	1.000
Cobalt	10.30	99.01	105.4	96	75-125	mg/Kg	1.000
Copper	36.78	99.01	125.4	90	75-125	mg/Kg	1.000
Lead	10.09	99.01	106.2	97	75-125	mg/Kg	1.000
Molybdenum	0.7250	99.01	81.05	81	75-125	mg/Kg	1.000
Nickel	55.57	99.01	147.1	92	75-125	mg/Kg	1.000
Selenium	<0.9378	99.01	98.74	100	75-125	mg/Kg	1.000
Silver	<0.1761	49.50	47.66	96	75-125	mg/Kg	1.000
Thallium	<0.4514	99.01	96.30	97	75-125	mg/Kg	1.000
Vanadium	66.04	99.01	164.4	99	75-125	mg/Kg	1.000
Zinc	73.99	99.01	170.2	97	75-125	mg/Kg	1.000

Field ID: MW-10-5.0 **Basis:** as received **Analyzed:** 07/28/23

Type: MSD **Batch#:** 319139 **Prep:** EPA 3050B

MSS Lab ID: 489228-001 **Sampled:** 07/26/23 **Analysis:** EPA 6020

Lab ID: QC1082938 **Received:** 07/26/23 **Analyst:** JCP

Matrix: Soil **Prepared:** 07/28/23

QC1082938 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim	Diln Fac
Antimony	99.01	38.61	38 *	75-125	mg/Kg	11	20	1.000
Arsenic	99.01	104.2	98	75-125	mg/Kg	0	20	1.000
Barium	99.01	452.0	192 *	75-125	mg/Kg	15	20	10.00
Beryllium	99.01	91.73	92	75-125	mg/Kg	1	20	1.000
Cadmium	99.01	99.04	100	75-125	mg/Kg	0	20	1.000
Chromium	99.01	159.0	92	75-125	mg/Kg	0	20	1.000
Cobalt	99.01	108.3	99	75-125	mg/Kg	3	20	1.000
Copper	99.01	128.7	93	75-125	mg/Kg	3	20	1.000
Lead	99.01	108.7	100	75-125	mg/Kg	2	20	1.000
Molybdenum	99.01	81.17	81	75-125	mg/Kg	0	20	1.000
Nickel	99.01	148.6	94	75-125	mg/Kg	1	20	1.000
Selenium	99.01	98.41	99	75-125	mg/Kg	0	20	1.000
Silver	49.50	48.18	97	75-125	mg/Kg	1	20	1.000
Thallium	99.01	97.06	98	75-125	mg/Kg	1	20	1.000
Vanadium	99.01	160.9	96	75-125	mg/Kg	2	20	1.000
Zinc	99.01	172.8	100	75-125	mg/Kg	2	20	1.000

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Legend

*: Value is outside QC limits

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-10-5.0 **Basis:** as received **Prep:** EPA 3050B

Type: Post Digest Spike **Batch#:** 319139 **Analysis:** EPA 6020

MSS Lab ID: 489228-001 **Sampled:** 07/26/23 **Analyst:** JCP

Lab ID: QC1082939 **Received:** 07/26/23

Matrix: Soil **Analyzed:** 07/28/23

QC1082939 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units	Diln Fac
Antimony	0.5960	96.15	92.27	95	75-125	mg/Kg	1.000
Arsenic	7.225	96.15	103.9	101	75-125	mg/Kg	1.000
Barium	261.9	96.15	355.1	97	75-125	mg/Kg	10.00
Beryllium	0.8104	96.15	87.85	91	75-125	mg/Kg	1.000
Cadmium	<0.2781	96.15	97.75	102	75-125	mg/Kg	1.000
Chromium	67.48	96.15	153.9	90	75-125	mg/Kg	1.000
Cobalt	10.30	96.15	100.3	94	75-125	mg/Kg	1.000
Copper	36.78	96.15	124.6	91	75-125	mg/Kg	1.000
Lead	10.09	96.15	105.1	99	75-125	mg/Kg	1.000
Molybdenum	0.7250	96.15	86.04	89	75-125	mg/Kg	1.000
Nickel	55.57	96.15	142.9	91	75-125	mg/Kg	1.000
Selenium	<0.9378	96.15	100.7	105	75-125	mg/Kg	1.000
Silver	<0.1761	48.08	47.81	99	75-125	mg/Kg	1.000
Thallium	<0.4514	96.15	93.13	97	75-125	mg/Kg	1.000
Vanadium	66.04	96.15	152.5	90	75-125	mg/Kg	1.000
Zinc	73.99	96.15	174.7	105	75-125	mg/Kg	1.000

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: BLANK **Batch#:** 319143 **Analysis:** EPA 7471A

Lab ID: QC1082944 **Prepared:** 07/28/23 **Analyst:** KAM

Matrix: Soil **Analyzed:** 07/28/23

DilIn Fac: 1.000 **Prep:** METHOD

QC1082944 Analyte	Result	RL	Units
Mercury	ND	0.14	mg/Kg

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: LCS **Batch#:** 319143 **Analysis:** EPA 7471A

Lab ID: QC1082945 **Prepared:** 07/28/23 **Analyst:** KAM

Matrix: Soil **Analyzed:** 07/28/23

DilIn Fac: 1.000 **Prep:** METHOD

QC1082945 Analyte	Spiked	Result	%REC	Limits	Units
Mercury	0.8333	0.7693	92	80-120	mg/Kg

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 489228 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	MW-10-5.0	**Basis:**	as received	**Prepared:**	07/28/23
Type:	MS	**Diln Fac:**	1.000	**Analyzed:**	07/28/23
MSS Lab ID:	489228-001	**Batch#:**	319143	**Prep:**	METHOD
Lab ID:	QC1082946	**Sampled:**	07/26/23	**Analysis:**	EPA 7471A
Matrix:	Soil	**Received:**	07/26/23	**Analyst:**	KAM

QC1082946 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
Mercury	0.05199	0.8621	0.8643	94	75-125	mg/Kg

Field ID:	MW-10-5.0	**Basis:**	as received	**Prepared:**	07/28/23
Type:	MSD	**Diln Fac:**	1.000	**Analyzed:**	07/28/23
MSS Lab ID:	489228-001	**Batch#:**	319143	**Prep:**	METHOD
Lab ID:	QC1082947	**Sampled:**	07/26/23	**Analysis:**	EPA 7471A
Matrix:	Soil	**Received:**	07/26/23	**Analyst:**	KAM

QC1082947 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Mercury	0.8621	0.8487	92	75-125	mg/Kg	2	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

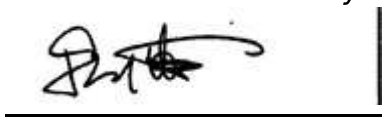
Lab Job Number: 489390
Report Level: II
Report Date: 08/07/2023

Analytical Report *prepared for:*

Richard Maxwell
Roux Associates
555 12th Street
Suite 250
Oakland, CA 94607

Project: 1793.0030S000 - AB&I Foundry

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Richard Maxwell
Roux Associates
555 12th Street
Suite 250
Oakland, CA 94607

Lab Job #:	489390
Project No:	1793.0030S000
Location:	AB&I Foundry
Date Received:	07/28/23

Sample ID	Lab ID	Collected	Matrix
MW-14-5.0	489390-001	07/28/23 11:20	Soil
MW-14-10.0	489390-002	07/28/23 11:30	Soil
MW-14-15.0	489390-003	07/28/23 11:40	Soil
MW-15-5.0	489390-004	07/28/23 08:35	Soil
MW-15-10.0	489390-005	07/28/23 09:00	Soil
MW-15-15.0	489390-006	07/28/23 09:15	Soil
MW-16-5.0	489390-007	07/27/23 08:55	Soil
MW-16-10.0	489390-008	07/27/23 09:30	Soil
MW-16-15.0	489390-009	07/27/23 09:50	Soil
MW-17-5.0	489390-010	07/26/23 13:30	Soil
MW-17-10.0	489390-011	07/26/23 13:45	Soil
MW-17-15.0	489390-012	07/26/23 14:25	Soil

ENTHALPY ANALYTICAL

Case Narrative

Roux Associates	Lab Job Number: 489P90
555 12th Street	Project No: 179P.00P0S000
Suite 250	Location: AB&I Foundry
Oakland, CA 94607	Date Received: 07/28/2P
Richard Maxwell	

This data package contains sample and QC results for twelve soil samples, requested for the above referenced project on 07/28/2P. The samples were received cold and intact.

TPH-Extractables by GC (EPA 8015M):

- MW-16-5.0 (lab # 489P90-007) was diluted due to the dark color of the sample extract.
- No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):

No analytical problems were encountered.

Metals (EPA 6020 and EPA 7471A):

- Low recovery was observed for mercury in the MS of MW-16-5.0 (lab # 489P90-007); the LCS was within limits. High recovery was also observed for mercury in the MSD of MW-16-5.0 (lab # 489P90-007); the LCS was within limits. High RPD was also observed for mercury in the MS/MSD of MW-16-5.0 (lab # 489P90-007).
- Low recoveries were observed for a number of analytes in the MS/MSD of MW-14-5.0 (lab # 489P90-001); the LCS was within limits, and the associated RPDs were within limits.
- Low recoveries were observed for chromium, antimony, and vanadium in the MS/MSD of MW-16-5.0 (lab # 489P90-007); the LCS was within limits. High recoveries were observed for a number of analytes; the LCS was within limits. High RPD was also observed for a number of analytes.
- No other analytical problems were encountered.

ENTHALPY ANALYTICAL

DetectroA Ssmma3n

Richard Maxwell
Roux Associates
555 12th Street
Suite 250
Oakland, CA 94607

Lab Job #: 489390
Project No: 1793.0030S000
Location: AB&I Foundry
Date Received: 07/28/23

Sample ID: MW-10-5.L **ba4 ID: 08929L-LL1** **Collected: L7/68/62 11:6L**
Mat3ri : Sorl

08929L-LL1 x AaInte	y eRsIt	u sal	QAtR	y b
Method: EPA 6020 Prep Method: EPA 3050B				
Arsenic	**6.2**		mg/Kg	0.99
Barium	**6UL**		mg/Kg	0.99
Chromium	**55**		mg/Kg	0.99
Cobalt	**7.5**		mg/Kg	0.99
Copper	**68**		mg/Kg	0.99
Lead	**7.L**		mg/Kg	0.50
Nickel	**00**		mg/Kg	0.99
Vanadium	**02**		mg/Kg	2.0
Zinc	**58**		mg/Kg	5.0

Sample ID: MW-10-1L.L **ba4 ID: 08929L-LL6** **Collected: L7/68/62 11:2L**
Mat3ri : Sorl

08929L-LL6 x AaInte	y eRsIt	u sal	QAtR	y b
Method: EPA 6020 Prep Method: EPA 3050B				
Arsenic	**5.7**		mg/Kg	0.96
Barium	**12L**		mg/Kg	0.96
Chromium	**0U**		mg/Kg	0.96
Cobalt	**16**		mg/Kg	0.96
Copper	**61**		mg/Kg	0.96
Lead	**5.9**		mg/Kg	0.48
Nickel	**U1**		mg/Kg	0.96
Vanadium	**22**		mg/Kg	1.9
Zinc	**0U**		mg/Kg	4.8

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

DetectroA Ssmma3n

Sample ID: MW-10-15.L	ba4 ID: 08929L-LL2	Collected: L7/68/62 11:0L
	Mat3ri : Sorl	

08929L-LL2 x AaInte		y eRslt	u sal	QArtR	y b
Method: EPA 6020 Prep Method: EPA 3050B					
	Arsenic	**0.7**		mg/Kg	0.98
	Barium	**82**		mg/Kg	0.98
	Chromium	**22**		mg/Kg	0.98
	Cobalt	**8.1**		mg/Kg	0.98
	Copper	**1U**		mg/Kg	0.98
	Lead	**0.2**		mg/Kg	0.49
	Nickel	**28**		mg/Kg	0.98
	Vanadium	**68**		mg/Kg	2.0
	Zinc	**28**		mg/Kg	4.9
Method: EPA 7471A Prep Method: METHOD					
	Mercury	**L.U6**		mg/Kg	0.16

Sample ID: MW-15-5.L	ba4 ID: 08929L-LL0	Collected: L7/68/62 L8:25
	Mat3ri : Sorl	

08929L-LL0 x AaInte		y eRslt	u sal	QArtR	y b
Method: EPA 6020 Prep Method: EPA 3050B					
	Arsenic	**2.5**		mg/Kg	0.97
	Barium	**11L**		mg/Kg	0.97
	Chromium	**68**		mg/Kg	0.97
	Cobalt	**U.9**		mg/Kg	0.97
	Copper	**12**		mg/Kg	0.97
	Lead	**0.1**		mg/Kg	0.49
	Nickel	**20**		mg/Kg	0.97
	Vanadium	**60**		mg/Kg	1.9
	Zinc	**2L**		mg/Kg	4.9

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

DetectroA Ssmma3n

Sample ID: MW-15-1L.L	ba4 ID: 08929L-LL5	Collected: L7/68/62 L9:LL
	Mat3ri : Sorl	

08929L-LL5 x AaInte		y eRsIt	u sal	QAtR	y b
Method: EPA 6020 Prep Method: EPA 3050B					
	Arsenic	0.U		mg/Kg	0.96
	Barium	16L		mg/Kg	0.96
	Chromium	26		mg/Kg	0.96
	Cobalt	9.L		mg/Kg	0.96
	Copper	10		mg/Kg	0.96
	Lead	0.7		mg/Kg	0.48
	Nickel	28		mg/Kg	0.96
	Vanadium	67		mg/Kg	1.9
	Zinc	20		mg/Kg	4.8

Sample ID: MW-15-15.L	ba4 ID: 08929L-LLU	Collected: L7/68/62 L9:15
	Mat3ri : Sorl	

08929L-LLU x AaInte		y eRsIt	u sal	QAtR	y b
Method: EPA 6020 Prep Method: EPA 3050B					
	Arsenic	6.U		mg/Kg	0.99
	Barium	16L		mg/Kg	0.99
	Chromium	06		mg/Kg	0.99
	Cobalt	8.7		mg/Kg	0.99
	Copper	6L		mg/Kg	0.99
	Lead	5.7		mg/Kg	0.50
	Nickel	08		mg/Kg	0.99
	Vanadium	20		mg/Kg	2.0
	Zinc	05		mg/Kg	5.0

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ENTHALPY ANALYTICAL

DetectroA Ssmma3n

Sample ID: MW-1U-5.L	ba4 ID: 08929L-LL7	Collected: L7/67/62 L8:55
	Mat3ri : Sorl	

08929L-LL7 x AaInte		y eRslt	u sal	QAtR	y b
Method: EPA 6020 Prep Method: EPA 3050B					
	Antimony	6.9		mg/Kg	0.99
	Arsenic	12		mg/Kg	0.99
	Barium	6LL		mg/Kg	20
	Cadmium	6.U		mg/Kg	0.50
	Chromium	8L		mg/Kg	0.99
	Cobalt	17		mg/Kg	0.99
	Copper	16L		mg/Kg	20
	Lead	U2L		mg/Kg	9.9
	Molybdenum	1.5		mg/Kg	0.99
	Nickel	00		mg/Kg	0.99
	Vanadium	96		mg/Kg	2.0
	Zinc	ULL		mg/Kg	99
Method: EPA 7471A Prep Method: METHOD					
	Mercury	6.9		mg/Kg	0.32
Method: EPA 8015M Prep Method: EPA 3580M					
	DRO C10-C28	U0L		mg/Kg	50
	ORO C28-C44	1,1LL		mg/Kg	100

Sample ID: MW-1U-1L.L	ba4 ID: 08929L-LL8	Collected: L7/67/62 L9:2L
	Mat3ri : Sorl	

08929L-LL8 x AaInte		y eRslt	u sal	QAtR	y b
Method: EPA 6020 Prep Method: EPA 3050B					
	Arsenic	5.5		mg/Kg	0.96
	Barium	88		mg/Kg	0.96
	Chromium	U6		mg/Kg	0.96
	Cobalt	17		mg/Kg	0.96
	Copper	0L		mg/Kg	0.96
	Lead	10		mg/Kg	0.48
	Nickel	25		mg/Kg	0.96
	Vanadium	9L		mg/Kg	1.9
	Zinc	96		mg/Kg	4.8
Method: EPA 8260B Prep Method: EPA 5035					
	Acetone	7L		ug/Kg	64

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ENTHALPY ANALYTICAL

DetectroA Ssmma3n

Sample ID: MW-1U-15.L	ba4 ID: 08929L-LL9	Collected: L7/67/62 L9:5L
	Mat3ri : Sorl	

08929L-LL9 x AaInte		y eRsIt	u sal	QAtR	y b
Method: EPA 6020 Prep Method: EPA 3050B					
	Arsenic	5.2		mg/Kg	0.97
	Barium	12L		mg/Kg	0.97
	Chromium	25		mg/Kg	0.97
	Cobalt	9.2		mg/Kg	0.97
	Copper	18		mg/Kg	0.97
	Lead	5.U		mg/Kg	0.49
	Nickel	07		mg/Kg	0.97
	Vanadium	2L		mg/Kg	1.9
	Zinc	0L		mg/Kg	4.9

Sample ID: MW-17-5.L	ba4 ID: 08929L-L1L	Collected: L7/6U/62 12:2L
	Mat3ri : Sorl	

08929L-L1L x AaInte		y eRsIt	u sal	QAtR	y b
Method: EPA 6020 Prep Method: EPA 3050B					
	Arsenic	7.5		mg/Kg	0.98
	Barium	10L		mg/Kg	0.98
	Chromium	58		mg/Kg	0.98
	Cobalt	11		mg/Kg	0.98
	Copper	27		mg/Kg	0.98
	Lead	12		mg/Kg	0.49
	Nickel	50		mg/Kg	0.98
	Vanadium	50		mg/Kg	2.0
	Zinc	86		mg/Kg	4.9

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

DetectroA Ssmma3n

Sample ID: MW-17-1L.L	ba4 ID: 08929L-L11	Collected: L7/6U/62 12:05
	Mat3ri : Sorl	

08929L-L11 x AaInte		y eRsIt	u sal	QAtR	y b
Method: EPA 6020 Prep Method: EPA 3050B					
	Arsenic	U.9		mg/Kg	0.96
	Barium	0LL		mg/Kg	0.96
	Chromium	U0		mg/Kg	0.96
	Cobalt	11		mg/Kg	0.96
	Copper	20		mg/Kg	0.96
	Lead	8.0		mg/Kg	0.48
	Nickel	56		mg/Kg	0.96
	Vanadium	U0		mg/Kg	1.9
	Zinc	U1		mg/Kg	4.8

Sample ID: MW-17-15.L	ba4 ID: 08929L-L16	Collected: L7/6U/62 10:65
	Mat3ri : Sorl	

08929L-L16 x AaInte		y eRsIt	u sal	QAtR	y b
Method: EPA 6020 Prep Method: EPA 3050B					
	Arsenic	5.8		mg/Kg	0.96
	Barium	6LL		mg/Kg	0.96
	Chromium	U2		mg/Kg	0.96
	Cobalt	11		mg/Kg	0.96
	Copper	20		mg/Kg	0.96
	Lead	U.7		mg/Kg	0.48
	Nickel	52		mg/Kg	0.96
	Vanadium	59		mg/Kg	1.9
	Zinc	UL		mg/Kg	4.8

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY

Chain of Custody Record — Lab No: 489390 — Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Berkeley
2323 5th Street, Berkeley, CA 94710
Phone 510-486-0900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	ROUX	Name:	ABX1
Report To:	Richard Maxwell & Harold Rush.	Number:	1793.003DS
Email:	rmaxwell@rouxinc.com hrush@rouxinc.com	P.O. #:	
Address:	555 12th Street, suite 250	Address:	7825 San Leandro Street
	Oakland, CA.		Oakland, CA.
Phone:	(918) 967-6035	Global ID:	
		Sampled By:	J. Aguayo.

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs by 8260B	TPH-g, TPH-d + TPH-mo by 8260B / 8015	CAM 17 by 6020	Test Instructions / Comments
1	MW-14-5.0	7/28/23	1120	S	4	6	X	X	X	
2	MW-14-10.0	7/28/23	1130	S	4	6	X	X	X	
3	MW-14-15.0.	7/28/23	1140	S	4	6	X	X	X	
4	MW-15-5.0	7/28/23	0835	S	4	6	X	X	X	
5	MW-15-10.0	7/28/23	0900.	S	4	6	X	X	X	
6	MW-15-15.0	7/28/23	0915.	S	4	6	X	X	X	
7	MW-16-5.0	7/27/23	0855	S	4	6	X	X	X	
8	MW-16-10.0	7/27/23	0930	S	4	6	X	X	X	
9	MW-16-15.0	7/27/23	0950	S	4	6	X	X	X	
10	MW-17-5.0	7/26/23	1330	S	4	6	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Jessica Aguayo	ROUX - STAFF GEOLOGIST	7/28/23 1544
1 Received By:			ROUX	7/28/23 15:44
2 Relinquished By:		Amber Hurt	EA	7-28-23 1632
2 Received By:		Katherine Noh	EA	7/29/23 08:00
3 Relinquished By:				
3 Received By:				

ENTHALPY

Chain of Custody Record

Lab No: 489390

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Berkeley

2323 5th Street, Berkeley, CA 94710

Phone 510-486-0900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	ROUX	Name:	AB&I
Report To:	Richard Maxwell + Harold Rush	Number:	1793.003.05
Email:	rmaxwell@rouxinc.com + hrush@rouxinc.com	P.O. #:	
Address:	555 12th street, suite 250	Address:	7825 San Leandro Street.
	Oakland CA		Oakland.
Phone:	(415) 967-6035.	Global ID:	
		Sampled By:	J. Agramont

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: VOCs by 8260B	TPH-g, TPH-d + TPH-mo by 8015.	CAM 17 by 6010.	Test Instructions / Comments
1	MW-17-10.0	7/26/23	1345	S	4	6	X	X	X	
2	MW-17-15.0	7/26/23	1425.	S	4	6	X	X	X	
3										
4										
5										
6										
7										
8										
9										
10										

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Jessica Agramont	ROUX - Staff Hydrologist II	7/28/23 1544
1 Received By:		Marcus M Yee	EA	7/28/23 15:44
2 Relinquished By:		Annina Hurt	EA	7-28-23 1632
2 Received By:		Katherine Noh	EA	7/29/23 0800
3 Relinquished By:				
3 Received By:				

SAMPLE RECEIPT CHECKLIST

ENTHALPY

Section 1: General Info

Date Received: 7/28/23 Login # 489390 Client: Rous

Section 2: Shipping / Custody

Shipping Info: _____

Are custody seals present? ~~o~~ No o Yes If yes, where? o on cooler, o on samples, o on package

Custody seals intact on arrival? ☐ Yes ☐ No ☐ N/A Date: _____ # of seals _____ ☐ Signature ☐ Initials

Section 3: Condition / Packaging ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen**

Date Opened 7/28/23 By (print) AM (sign) _____

o Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)

If no cooler: Sample Temp (°C): _____

How many coolers? 1 Temp (°C): #1: 11.3 #2: _____ #3: _____ #4: _____ #5: _____ #6: _____

Temperature measured using o Thermometer ID: _____, or IR Gun # o B o C

Type of ice used : ~~o~~ Wet, o Blue/Gel, o None Temperature blank(s) included? ☐ Yes, ☐ No

Section 4: Containers / Labels / Samples	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable?	✓		
Were Method 5035 sampling containers present? Transferred to freezer @:	✓		
Did all containers arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?		✓	
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?		✓	
Are bubbles > 6mm present in VOA samples?			
Was the client contacted about this delivery? Contacted: _____ By: _____ Date:		✓	

Section 5: Preservatives	YES	NO	N/A
Are the samples appropriately preserved? (if yes, skip the rest of section 5)			
Did any samples / containers require preservation upon receipt?			
Did you document your preservative check in the bench book?			

Preservative added:

o H2SO4 lot#	added to samples	Date/Time
o HCL lot#	added to samples	Date/Time
o HNO3 lot#	added to samples	Date/Time
o CrVI Buffer lot#	added to samples	Date/Time

Section 6: Explanations / Comments

One container of sample -002 Sample ID does not match identifiers by time.

COC lists 4 containers per sample → 3 included and labeled, 1 jar & 4 VOAs

Date Logged 7/28/23 By (print) AM (sign) _____

Date Labeled 7.28-23 By (print) ARH (sign) _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Roux Associates Project: AB&I Foundry

Date Received: 7/29/23 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3-6 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.7 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?	✔		
If custody seals are present, were they intact?	✔		
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?	✔		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

489390

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 7/29/23

8:00

#2

2.7/3.6

SOUTHWEST AIRLINES

Printed on:
28 JUL 19:17

526 OAK 9126 3944

ONT

PC# 2 OF 3

DG G

LOT WT 100 LB (45.4 KG)

OAK WN 259 29 JUL 06:10

STN FLT DATE ETD LOT 01

PC ID: 0002
PC WT: 33LB

S

526 91263944 0002

ENTHALPY ANALYTICAL

Extractable Carbon Chain

Lab #: 489390 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-14-5.0 **Diln Fac:** 1.000 **Analyzed:** 08/01/23
Type: SAMPLE **Batch#:** 319307 **Prep:** EPA 3580M
Lab ID: 489390-001 **Sampled:** 07/28/23 **Analysis:** EPA 8015M
Matrix: Soil **Received:** 07/28/23 **Analyst:** SME
Basis: as received **Prepared:** 08/01/23

489390-001 Analyte	Result	RL	Units
DRO C10-C28	ND	10	mg/Kg
ORO C28-C44	ND	20	mg/Kg

489390-001 Surrogate	%REC	Limits
n-Triacontane	85	70-130

Field ID: MW-14-10.0 **Diln Fac:** 1.000 **Analyzed:** 08/01/23
Type: SAMPLE **Batch#:** 319307 **Prep:** EPA 3580M
Lab ID: 489390-002 **Sampled:** 07/28/23 **Analysis:** EPA 8015M
Matrix: Soil **Received:** 07/28/23 **Analyst:** SME
Basis: as received **Prepared:** 08/01/23

489390-002 Analyte	Result	RL	Units
DRO C10-C28	ND	9.9	mg/Kg
ORO C28-C44	ND	20	mg/Kg

489390-002 Surrogate	%REC	Limits
n-Triacontane	82	70-130

Field ID: MW-14-15.0 **Diln Fac:** 1.000 **Analyzed:** 08/01/23
Type: SAMPLE **Batch#:** 319307 **Prep:** EPA 3580M
Lab ID: 489390-003 **Sampled:** 07/28/23 **Analysis:** EPA 8015M
Matrix: Soil **Received:** 07/28/23 **Analyst:** SME
Basis: as received **Prepared:** 08/01/23

489390-003 Analyte	Result	RL	Units
DRO C10-C28	ND	10	mg/Kg
ORO C28-C44	ND	20	mg/Kg

489390-003 Surrogate	%REC	Limits
n-Triacontane	79	70-130

ENTHALPY ANALYTICAL

Extractable Carbon Chain

Lab #: 489390 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-15-5.0 **Diln Fac:** 1.000 **Analyzed:** 08/01/23
Type: SAMPLE **Batch#:** 319307 **Prep:** EPA 3580M
Lab ID: 489390-004 **Sampled:** 07/28/23 **Analysis:** EPA 8015M
Matrix: Soil **Received:** 07/28/23 **Analyst:** SME
Basis: as received **Prepared:** 08/01/23

489390-004 Analyte	Result	RL	Units
DRO C10-C28	ND	9.9	mg/Kg
ORO C28-C44	ND	20	mg/Kg

489390-004 Surrogate	%REC	Limits
n-Triacontane	82	70-130

Field ID: MW-15-10.0 **Diln Fac:** 1.000 **Analyzed:** 08/01/23
Type: SAMPLE **Batch#:** 319307 **Prep:** EPA 3580M
Lab ID: 489390-005 **Sampled:** 07/28/23 **Analysis:** EPA 8015M
Matrix: Soil **Received:** 07/28/23 **Analyst:** SME
Basis: as received **Prepared:** 08/01/23

489390-005 Analyte	Result	RL	Units
DRO C10-C28	ND	10	mg/Kg
ORO C28-C44	ND	20	mg/Kg

489390-005 Surrogate	%REC	Limits
n-Triacontane	93	70-130

Field ID: MW-15-15.0 **Diln Fac:** 1.000 **Analyzed:** 08/01/23
Type: SAMPLE **Batch#:** 319307 **Prep:** EPA 3580M
Lab ID: 489390-006 **Sampled:** 07/28/23 **Analysis:** EPA 8015M
Matrix: Soil **Received:** 07/28/23 **Analyst:** SME
Basis: as received **Prepared:** 08/01/23

489390-006 Analyte	Result	RL	Units
DRO C10-C28	ND	10	mg/Kg
ORO C28-C44	ND	20	mg/Kg

489390-006 Surrogate	%REC	Limits
n-Triacontane	94	70-130

ENTHALPY ANALYTICAL

Extractable Carbon Chain

Lab #: 489390 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-16-5.0 **Diln Fac:** 5.000 **Analyzed:** 08/01/23
Type: SAMPLE **Batch#:** 319307 **Prep:** EPA 3580M
Lab ID: 489390-007 **Sampled:** 07/27/23 **Analysis:** EPA 8015M
Matrix: Soil **Received:** 07/28/23 **Analyst:** SME
Basis: as received **Prepared:** 08/01/23

489390-007 Analyte	Result	RL	Units
DRO C10-C28	**640**	50	mg/Kg
ORO C28-C44	**1,100**	100	mg/Kg

489390-007 Surrogate	%REC	Limits
n-Triacontane	112	70-130

Field ID: MW-16-10.0 **Diln Fac:** 1.000 **Analyzed:** 08/01/23
Type: SAMPLE **Batch#:** 319307 **Prep:** EPA 3580M
Lab ID: 489390-008 **Sampled:** 07/27/23 **Analysis:** EPA 8015M
Matrix: Soil **Received:** 07/28/23 **Analyst:** SME
Basis: as received **Prepared:** 08/01/23

489390-008 Analyte	Result	RL	Units
DRO C10-C28	ND	9.9	mg/Kg
ORO C28-C44	ND	20	mg/Kg

489390-008 Surrogate	%REC	Limits
n-Triacontane	97	70-130

Field ID: MW-16-15.0 **Diln Fac:** 1.000 **Analyzed:** 08/01/23
Type: SAMPLE **Batch#:** 319307 **Prep:** EPA 3580M
Lab ID: 489390-009 **Sampled:** 07/27/23 **Analysis:** EPA 8015M
Matrix: Soil **Received:** 07/28/23 **Analyst:** SME
Basis: as received **Prepared:** 08/01/23

489390-009 Analyte	Result	RL	Units
DRO C10-C28	ND	9.9	mg/Kg
ORO C28-C44	ND	20	mg/Kg

489390-009 Surrogate	%REC	Limits
n-Triacontane	85	70-130

ENTHALPY ANALYTICAL

Extractable Carbon Chain

Lab #: 489390 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-17-5.0 **Diln Fac:** 1.000 **Analyzed:** 08/01/23
Type: SAMPLE **Batch#:** 319307 **Prep:** EPA 3580M
Lab ID: 489390-010 **Sampled:** 07/26/23 **Analysis:** EPA 8015M
Matrix: Soil **Received:** 07/28/23 **Analyst:** SME
Basis: as received **Prepared:** 08/01/23

489390-010 Analyte	Result	RL	Units
DRO C10-C28	ND	9.9	mg/Kg
ORO C28-C44	ND	20	mg/Kg

489390-010 Surrogate	%REC	Limits
n-Triacontane	89	70-130

Field ID: MW-17-10.0 **Diln Fac:** 1.000 **Analyzed:** 08/01/23
Type: SAMPLE **Batch#:** 319307 **Prep:** EPA 3580M
Lab ID: 489390-011 **Sampled:** 07/26/23 **Analysis:** EPA 8015M
Matrix: Soil **Received:** 07/28/23 **Analyst:** SME
Basis: as received **Prepared:** 08/01/23

489390-011 Analyte	Result	RL	Units
DRO C10-C28	ND	9.9	mg/Kg
ORO C28-C44	ND	20	mg/Kg

489390-011 Surrogate	%REC	Limits
n-Triacontane	92	70-130

Field ID: MW-17-15.0 **Diln Fac:** 1.000 **Analyzed:** 08/01/23
Type: SAMPLE **Batch#:** 319307 **Prep:** EPA 3580M
Lab ID: 489390-012 **Sampled:** 07/26/23 **Analysis:** EPA 8015M
Matrix: Soil **Received:** 07/28/23 **Analyst:** SME
Basis: as received **Prepared:** 08/01/23

489390-012 Analyte	Result	RL	Units
DRO C10-C28	ND	10	mg/Kg
ORO C28-C44	ND	20	mg/Kg

489390-012 Surrogate	%REC	Limits
n-Triacontane	96	70-130

ENTHALPY ANALYTICAL

Extractable Carbon Chain

Lab #: 489390 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: BLANK **Batch#:** 319307 **Analysis:** EPA 8015M

Lab ID: QC1083520 **Prepared:** 08/01/23 **Analyst:** SME

Matrix: Soil **Analyzed:** 08/01/23

DilIn Fac: 1.000 **Prep:** EPA 3580M

QC1083520 Analyte	Result	RL	Units
DRO C10-C28	ND	10	mg/Kg
ORO C28-C44	ND	20	mg/Kg

QC1083520 Surrogate	%REC	Limits
n-Triacontane	77	70-130

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Extractable Carbon Chain: Batch QC

Lab #: 489390 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: LCS **Batch#:** 319307 **Analysis:** EPA 8015M

Lab ID: QC1083521 **Prepared:** 08/01/23 **Analyst:** SME

Matrix: Soil **Analyzed:** 08/01/23

DilIn Fac: 1.000 **Prep:** EPA 3580M

QC1083521 Analyte	Spiked	Result	%REC	Limits	Units
Diesel C10-C28	248.8	265.1	107	76-122	mg/Kg

QC1083521 Surrogate	%REC	Limits
n-Triacontane	88	70-130

ENTHALPY ANALYTICAL

Extractable Carbon Chain: Batch QC

Lab #: 489390 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	MW-16-15.0	**Basis:**	as received	**Prepared:**	08/01/23
Type:	MS	**DiIn Fac:**	1.000	**Analyzed:**	08/01/23
MSS Lab ID:	489390-009	**Batch#:**	319307	**Prep:**	EPA 3580M
Lab ID:	QC1083526	**Sampled:**	07/27/23	**Analysis:**	EPA 8015M
Matrix:	Soil	**Received:**	07/28/23	**Analyst:**	SME

QC1083526 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
Diesel C10-C28	1.294	249.0	277.3	111	62-126	mg/Kg

QC1083526 Surrogate	%REC	Limits
n-Triacontane	89	70-130

Field ID:	MW-16-15.0	**Basis:**	as received	**Prepared:**	08/01/23
Type:	MSD	**DiIn Fac:**	1.000	**Analyzed:**	08/01/23
MSS Lab ID:	489390-009	**Batch#:**	319307	**Prep:**	EPA 3580M
Lab ID:	QC1083527	**Sampled:**	07/27/23	**Analysis:**	EPA 8015M
Matrix:	Soil	**Received:**	07/28/23	**Analyst:**	SME

QC1083527 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Diesel C10-C28	249.0	265.3	106	62-126	mg/Kg	4	35

QC1083527 Surrogate	%REC	Limits
n-Triacontane	89	70-130

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 08E4E3 **Project#:** 1/ E46 343S333

Client: Roux5 ssociates **Location:** B&I5Foundry

Field ID:	MW-10-. 63	**Diln Fac:**	3678 8/	**Analyzed:**	3/ 24 12 94
Lab ID:	08E4E3-331	**Batch#:**	41E973	**Prep:**	PA 5 34.
Matrix:	Soil	**Sampled:**	3/ 29 8 29 94	**Analysis:**	PA 5 8973B
Basis:	as5received	**Received:**	3/ 29 8 29 94	**Analyst:**	HMN

489390-001 Analyte	Result	RL	Units
TAH5Gasoline	ND	36	mg2Kg
1,1-Dichloroethane	ND	46 0	ug2Kg
1,1-Dichloroethene	ND	46 0	ug2Kg
1,1-Dichloropropene	ND	46 0	ug2Kg
1,1,1-Trichloroethane	ND	46 0	ug2Kg
1,1,1,9-Tetrachloroethane	ND	46 0	ug2Kg
1,1,9-Trichloroethane	ND	46 0	ug2Kg
1,1,9,9-Tetrachloroethane	ND	46 0	ug2Kg
1,9-Dibromo-4-Chloropropane	ND	46 0	ug2Kg
1,9-Dibromoethane	ND	46 0	ug2Kg
1,9-Dichlorobenzene	ND	46 0	ug2Kg
1,9-Dichloroethane	ND	46 0	ug2Kg
1,9-Dichloropropane	ND	46 0	ug2Kg
1,9,4-Trichlorobenzene	ND	46 0	ug2Kg
1,9,4-Trichloropropane	ND	46 0	ug2Kg
1,9,0-Trichlorobenzene	ND	46 0	ug2Kg
1,9,0-Trimethylbenzene	ND	46 0	ug2Kg
1,4-Dichlorobenzene	ND	46 0	ug2Kg
1,4-Dichloropropane	ND	46 0	ug2Kg
1,4,. -Trimethylbenzene	ND	46 0	ug2Kg
1,0-Dichlorobenzene	ND	46 0	ug2Kg
9-Butanone	ND	7E	ug2Kg
9-Chlorotoluene	ND	46 0	ug2Kg
9,9-Dichloropropane	ND	46 0	ug2Kg
0-Chlorotoluene	ND	46 0	ug2Kg
0-Methyl-9-Aentanone	ND	. 67	ug2Kg
cetone	ND	7E	ug2Kg
Benzene	ND	46 0	ug2Kg
Bromobenzene	ND	46 0	ug2Kg
Bromochloromethane	ND	46 0	ug2Kg
Bromodichloromethane	ND	46 0	ug2Kg
Bromoform	ND	46 0	ug2Kg
Bromomethane	ND	46 0	ug2Kg
Carbon5Tetrachloride	ND	46 0	ug2Kg
Chlorobenzene	ND	46 0	ug2Kg
Chloroethane	ND	46 0	ug2Kg
Chloroform	ND	46 0	ug2Kg
Chloromethane	ND	46 0	ug2Kg
cis-1,9-Dichloroethene	ND	46 0	ug2Kg
cis-1,4-Dichloropropene	ND	46 0	ug2Kg
Dibromochloromethane	ND	46 0	ug2Kg

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 08E4E3 **Project#:** 1/ E46 8343S333

Client: Roux5 ssociates **Location:** B&I5Foundry

489390-001 Analyte	Result	RL	Units
Dibromomethane	ND	460	ug2Kg
Pthylbenzene	ND	460	ug2Kg
Freon5l14	ND	460	ug2Kg
Freon5l9	ND	460	ug2Kg
Hexachlorobutadiene	ND	460	ug2Kg
Isopropylbenzene	ND	460	ug2Kg
Methylene5Chloride	ND	76E	ug2Kg
MTBP	ND	460	ug2Kg
n-Butylbenzene	ND	460	ug2Kg
Naphthalene	ND	460	ug2Kg
para-Isopropyl5Toluene	ND	460	ug2Kg
Aropylbenzene	ND	460	ug2Kg
sec-Butylbenzene	ND	460	ug2Kg
Styrene	ND	460	ug2Kg
tert-Butylbenzene	ND	460	ug2Kg
Tetrachloroethene	ND	460	ug2Kg
Toluene	ND	460	ug2Kg
trans-1,9-Dichloroethene	ND	460	ug2Kg
trans-1,4-Dichloropropene	ND	460	ug2Kg
Trichloroethene	ND	460	ug2Kg
Trichlorofluoromethane	ND	460	ug2Kg
Vinyl5Chloride	ND	460	ug2Kg
m,p-Xylenes	ND	76E	ug2Kg
o-Xylene	ND	460	ug2Kg

489390-001 Surrogate	%REC	Limits
Dibromofluoromethane	130	/ 3-10.
1,9-Dichloroethane-d0	111	/ 3-10.
Toluene-d8	13E	/ 3-10.
Bromofluorobenzene	138	/ 3-10.

Legend

ND: Not5Detected

RL: Reporting5Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 09E4E. **Project#:** 1/ E46 . 4. S. . .

Client: Roux5 ssociates **Location:** B&l5Foundry

Field ID: MW-10-1. 6	**DiIn Fac:** . 6378.	**Analyzed:** . / 2412 74	
Lab ID: 09E4E. -. . 7	**Batch#:** 41E73.	**Prep:** PA 5B. 48	
Matrix: Soil	**Sampled:** . / 2792 74	**Analysis:** PA 5973. B	
Basis: as5eceived	**Received:** . / 2792 74	**Analyst:** HMN	

489390-002 Analyte	Result	RL	Units
TAH5Gasoline	ND	. 63	mg2Kg
1,1-Dichloroethane	ND	461	ug2Kg
1,1-Dichloroethene	ND	461	ug2Kg
1,1-Dichloropropene	ND	461	ug2Kg
1,1,1-Trichloroethane	ND	461	ug2Kg
1,1,1,7-Tetrachloroethane	ND	461	ug2Kg
1,1,7-Trichloroethane	ND	461	ug2Kg
1,1,7,7-Tetrachloroethane	ND	461	ug2Kg
1,7-Dibromo-4-Chloropropane	ND	461	ug2Kg
1,7-Dibromoethane	ND	461	ug2Kg
1,7-Dichlorobenzene	ND	461	ug2Kg
1,7-Dichloroethane	ND	461	ug2Kg
1,7-Dichloropropane	ND	461	ug2Kg
1,7,4-Trichlorobenzene	ND	461	ug2Kg
1,7,4-Trichloropropane	ND	461	ug2Kg
1,7,0-Trichlorobenzene	ND	461	ug2Kg
1,7,0-Trimethylbenzene	ND	461	ug2Kg
1,4-Dichlorobenzene	ND	461	ug2Kg
1,4-Dichloropropane	ND	461	ug2Kg
1,4,8-Trimethylbenzene	ND	461	ug2Kg
1,0-Dichlorobenzene	ND	461	ug2Kg
7-Butanone	ND	34	ug2Kg
7-Chlorotoluene	ND	461	ug2Kg
7,7-Dichloropropane	ND	461	ug2Kg
0-Chlorotoluene	ND	461	ug2Kg
0-Methyl-7-Aentanone	ND	861	ug2Kg
cetone	ND	34	ug2Kg
Benzene	ND	461	ug2Kg
Bromobenzene	ND	461	ug2Kg
Bromochloromethane	ND	461	ug2Kg
Bromodichloromethane	ND	461	ug2Kg
Bromoform	ND	461	ug2Kg
Bromomethane	ND	461	ug2Kg
Carbon5Tetrachloride	ND	461	ug2Kg
Chlorobenzene	ND	461	ug2Kg
Chloroethane	ND	461	ug2Kg
Chloroform	ND	461	ug2Kg
Chloromethane	ND	461	ug2Kg
cis-1,7-Dichloroethene	ND	461	ug2Kg
cis-1,4-Dichloropropene	ND	461	ug2Kg
Dibromochloromethane	ND	461	ug2Kg

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 09E4E. **Project#:** 1/ E46 . 4. S. . .

Client: Roux5 ssociates **Location:** B&I5Foundry

489390-002 Analyte	Result	RL	Units
Dibromomethane	ND	46l	ug2Kg
Pthylbenzene	ND	46l	ug2Kg
Freon5l14	ND	46l	ug2Kg
Freon5l7	ND	46l	ug2Kg
Hexachlorobutadiene	ND	46l	ug2Kg
Isopropylbenzene	ND	46l	ug2Kg
Methylene5Chloride	ND	36l4	ug2Kg
MTBP	ND	46l	ug2Kg
n-Butylbenzene	ND	46l	ug2Kg
Naphthalene	ND	46l	ug2Kg
para-Isopropyl5Toluene	ND	46l	ug2Kg
Aropylbenzene	ND	46l	ug2Kg
sec-Butylbenzene	ND	46l	ug2Kg
Styrene	ND	46l	ug2Kg
tert-Butylbenzene	ND	46l	ug2Kg
Tetrachloroethene	ND	46l	ug2Kg
Toluene	ND	46l	ug2Kg
trans-1,7-Dichloroethene	ND	46l	ug2Kg
trans-1,4-Dichloropropene	ND	46l	ug2Kg
Trichloroethene	ND	46l	ug2Kg
Trichlorofluoromethane	ND	46l	ug2Kg
Vinyl5Chloride	ND	46l	ug2Kg
m,p-Xylenes	ND	36l4	ug2Kg
o-Xylene	ND	46l	ug2Kg

489390-002 Surrogate	%REC	Limits
Dibromofluoromethane	EE	/ . -108
1,7-Dichloroethane-d0	1. 8	/ . -108
Toluene-d9	1. 4	/ . -108
Bromofluorobenzene	1. E	/ . -108

Legend

ND: Not5Detected

RL: Reporting5Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 09E8E3 **Project#:** 1/ E86383S333

Client: Roux5 ssociates **Location:** B&I5Foundry

Field ID: MW-10-1. 63 **Diln Fac:** 36783. **Analyzed:** 3/ 2831248

Lab ID: 09E8E3-338 **Batch#:** 81E473 **Prep:** PA 5 38.

Matrix: Soil **Sampled:** 3/ 249248 **Analysis:** PA 59473B

Basis: as5eceived **Received:** 3/ 249248 **Analyst:** HMN

489390-003 Analyte	Result	RL	Units
TAH5Gasoline	ND	367	mg2Kg
1,1-Dichloroethane	ND	864	ug2Kg
1,1-Dichloroethene	ND	864	ug2Kg
1,1-Dichloropropene	ND	864	ug2Kg
1,1,1-Trichloroethane	ND	864	ug2Kg
1,1,1,4-Tetrachloroethane	ND	864	ug2Kg
1,1,4-Trichloroethane	ND	864	ug2Kg
1,1,4,4-Tetrachloroethane	ND	864	ug2Kg
1,4-Dibromo-8-Chloropropane	ND	864	ug2Kg
1,4-Dibromoethane	ND	864	ug2Kg
1,4-Dichlorobenzene	ND	864	ug2Kg
1,4-Dichloroethane	ND	864	ug2Kg
1,4-Dichloropropane	ND	864	ug2Kg
1,4,8-Trichlorobenzene	ND	864	ug2Kg
1,4,8-Trichloropropane	ND	864	ug2Kg
1,4,0-Trichlorobenzene	ND	864	ug2Kg
1,4,0-Trimethylbenzene	ND	864	ug2Kg
1,8-Dichlorobenzene	ND	864	ug2Kg
1,8-Dichloropropane	ND	864	ug2Kg
1,8,. -Trimethylbenzene	ND	864	ug2Kg
1,0-Dichlorobenzene	ND	864	ug2Kg
4-Butanone	ND	78	ug2Kg
4-Chlorotoluene	ND	864	ug2Kg
4,4-Dichloropropane	ND	864	ug2Kg
0-Chlorotoluene	ND	864	ug2Kg
0-Methyl-4-Aentanone	ND	. 61	ug2Kg
cetone	ND	78	ug2Kg
Benzene	ND	864	ug2Kg
Bromobenzene	ND	864	ug2Kg
Bromochloromethane	ND	864	ug2Kg
Bromodichloromethane	ND	864	ug2Kg
Bromoform	ND	864	ug2Kg
Bromomethane	ND	864	ug2Kg
Carbon5Tetrachloride	ND	864	ug2Kg
Chlorobenzene	ND	864	ug2Kg
Chloroethane	ND	864	ug2Kg
Chloroform	ND	864	ug2Kg
Chloromethane	ND	864	ug2Kg
cis-1,4-Dichloroethene	ND	864	ug2Kg
cis-1,8-Dichloropropene	ND	864	ug2Kg
Dibromochloromethane	ND	864	ug2Kg

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 09E8E3 **Project#:** 1/ E86383S333

Client: Roux5 ssociates **Location:** B&I5Foundry

489390-003 Analyte	Result	RL	Units
Dibromomethane	ND	864	ug2Kg
Pthylbenzene	ND	864	ug2Kg
Freon5l18	ND	864	ug2Kg
Freon5l4	ND	864	ug2Kg
Hexachlorobutadiene	ND	864	ug2Kg
Isopropylbenzene	ND	864	ug2Kg
Methylene5Chloride	ND	768	ug2Kg
MTBP	ND	864	ug2Kg
n-Butylbenzene	ND	864	ug2Kg
Naphthalene	ND	864	ug2Kg
para-Isopropyl5Toluene	ND	864	ug2Kg
Aropylbenzene	ND	864	ug2Kg
sec-Butylbenzene	ND	864	ug2Kg
Styrene	ND	864	ug2Kg
tert-Butylbenzene	ND	864	ug2Kg
Tetrachloroethene	ND	864	ug2Kg
Toluene	ND	864	ug2Kg
trans-1,4-Dichloroethene	ND	864	ug2Kg
trans-1,8-Dichloropropene	ND	864	ug2Kg
Trichloroethene	ND	864	ug2Kg
Trichlorofluoromethane	ND	864	ug2Kg
Vinyl5Chloride	ND	864	ug2Kg
m,p-Xylenes	ND	768	ug2Kg
o-Xylene	ND	864	ug2Kg

489390-003 Surrogate	%REC	Limits
Dibromofluoromethane	137	/ 3-10.
1,4-Dichloroethane-d0	110	/ 3-10.
Toluene-d9	131	/ 3-10.
Bromofluorobenzene	13.	/ 3-10.

Legend

ND: Not5Detected

RL: Reporting5Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 9E/ 7/ 6 **Project#:** 12/ 7.6676S666

Client: Roux5 ssociates **Location:** B&I5Foundry

Field ID:	MW-10-0.6	**Diln Fac:**	6.378/	**Analyzed:**	624/1487
Lab ID:	9E/ 7/ 6-669	**Batch#:**	71/ 836	**Prep:**	PA 50670
Matrix:	Soil	**Sampled:**	624BE487	**Analysis:**	PA 5E836B
Basis:	as5received	**Received:**	624BE487	**Analyst:**	HMN

489390-004 Analyte	Result	RL	Units
TAH5Gasoline	ND	6.3	mg4Kg
1,1-Dichloroethane	ND	7.8	ug4Kg
1,1-Dichloroethene	ND	7.8	ug4Kg
1,1-Dichloropropene	ND	7.8	ug4Kg
1,1,1-Trichloroethane	ND	7.8	ug4Kg
1,1,1,8-Tetrachloroethane	ND	7.8	ug4Kg
1,1,8-Trichloroethane	ND	7.8	ug4Kg
1,1,8,8-Tetrachloroethane	ND	7.8	ug4Kg
1,8-Dibromo-7-Chloropropane	ND	7.8	ug4Kg
1,8-Dibromoethane	ND	7.8	ug4Kg
1,8-Dichlorobenzene	ND	7.8	ug4Kg
1,8-Dichloroethane	ND	7.8	ug4Kg
1,8-Dichloropropane	ND	7.8	ug4Kg
1,8,7-Trichlorobenzene	ND	7.8	ug4Kg
1,8,7-Trichloropropane	ND	7.8	ug4Kg
1,8,9-Trichlorobenzene	ND	7.8	ug4Kg
1,8,9-Trimethylbenzene	ND	7.8	ug4Kg
1,7-Dichlorobenzene	ND	7.8	ug4Kg
1,7-Dichloropropane	ND	7.8	ug4Kg
1,7,0-Trimethylbenzene	ND	7.8	ug4Kg
1,9-Dichlorobenzene	ND	7.8	ug4Kg
8-Butanone	ND	37	ug4Kg
8-Chlorotoluene	ND	7.8	ug4Kg
8,8-Dichloropropane	ND	7.8	ug4Kg
9-Chlorotoluene	ND	7.8	ug4Kg
9-Methyl-8-Aentanone	ND	0.1	ug4Kg
cetone	ND	37	ug4Kg
Benzene	ND	7.8	ug4Kg
Bromobenzene	ND	7.8	ug4Kg
Bromochloromethane	ND	7.8	ug4Kg
Bromodichloromethane	ND	7.8	ug4Kg
Bromoform	ND	7.8	ug4Kg
Bromomethane	ND	7.8	ug4Kg
Carbon5Tetrachloride	ND	7.8	ug4Kg
Chlorobenzene	ND	7.8	ug4Kg
Chloroethane	ND	7.8	ug4Kg
Chloroform	ND	7.8	ug4Kg
Chloromethane	ND	7.8	ug4Kg
cis-1,8-Dichloroethene	ND	7.8	ug4Kg
cis-1,7-Dichloropropene	ND	7.8	ug4Kg
Dibromochloromethane	ND	7.8	ug4Kg

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 9E/ 7/ 6 **Project#:** 12/ 7.6676S666

Client: Roux5 ssociates **Location:** B&I5Foundry

489390-004 Analyte	Result	RL	Units
Dibromomethane	ND	7.8	ug4Kg
Pthylbenzene	ND	7.8	ug4Kg
Freon5I17	ND	7.8	ug4Kg
Freon5I8	ND	7.8	ug4Kg
Hexachlorobutadiene	ND	7.8	ug4Kg
Isopropylbenzene	ND	7.8	ug4Kg
Methylene5Chloride	ND	3.7	ug4Kg
MTBP	ND	7.8	ug4Kg
n-Butylbenzene	ND	7.8	ug4Kg
Naphthalene	ND	7.8	ug4Kg
para-Isopropyl5Toluene	ND	7.8	ug4Kg
Aropylbenzene	ND	7.8	ug4Kg
sec-Butylbenzene	ND	7.8	ug4Kg
Styrene	ND	7.8	ug4Kg
tert-Butylbenzene	ND	7.8	ug4Kg
Tetrachloroethene	ND	7.8	ug4Kg
Toluene	ND	7.8	ug4Kg
trans-1,8-Dichloroethene	ND	7.8	ug4Kg
trans-1,7-Dichloropropene	ND	7.8	ug4Kg
Trichloroethene	ND	7.8	ug4Kg
Trichlorofluoromethane	ND	7.8	ug4Kg
Vinyl5Chloride	ND	7.8	ug4Kg
m,p-Xylenes	ND	3.7	ug4Kg
o-Xylene	ND	7.8	ug4Kg

489390-004 Surrogate	%REC	Limits
Dibromofluoromethane	161	26-190
1,8-Dichloroethane-d9	111	26-190
Toluene-dE	167	26-190
Bromofluorobenzene	162	26-190

Legend

ND: Not5Detected

RL: Reporting5Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 9E878. **Project#:** 1/ 876 . 7. S. . .

Client: Roux5 ssociates **Location:** B&l5Foundry

Field ID: MW-10-1. 6 **DiIn Fac:** . 63738 **Analyzed:** . / 2712 47

Lab ID: 9E878. -. . 0 **Batch#:** 71843. **Prep:** PA 50. 70

Matrix: Soil **Sampled:** . / 24E247 **Analysis:** PA 5E43. B

Basis: as5eceived **Received:** . / 24E247 **Analyst:** HMN

489390-005 Analyte	Result	RL	Units
TAH5Gasoline	ND	. 63	mg2Kg
1,1-Dichloroethane	ND	764	ug2Kg
1,1-Dichloroethene	ND	764	ug2Kg
1,1-Dichloropropene	ND	764	ug2Kg
1,1,1-Trichloroethane	ND	764	ug2Kg
1,1,1,4-Tetrachloroethane	ND	764	ug2Kg
1,1,4-Trichloroethane	ND	764	ug2Kg
1,1,4,4-Tetrachloroethane	ND	764	ug2Kg
1,4-Dibromo-7-Chloropropane	ND	764	ug2Kg
1,4-Dibromoethane	ND	764	ug2Kg
1,4-Dichlorobenzene	ND	764	ug2Kg
1,4-Dichloroethane	ND	764	ug2Kg
1,4-Dichloropropane	ND	764	ug2Kg
1,4,7-Trichlorobenzene	ND	764	ug2Kg
1,4,7-Trichloropropane	ND	764	ug2Kg
1,4,9-Trichlorobenzene	ND	764	ug2Kg
1,4,9-Trimethylbenzene	ND	764	ug2Kg
1,7-Dichlorobenzene	ND	764	ug2Kg
1,7-Dichloropropane	ND	764	ug2Kg
1,7,0-Trimethylbenzene	ND	764	ug2Kg
1,9-Dichlorobenzene	ND	764	ug2Kg
4-Butanone	ND	39	ug2Kg
4-Chlorotoluene	ND	764	ug2Kg
4,4-Dichloropropane	ND	764	ug2Kg
9-Chlorotoluene	ND	764	ug2Kg
9-Methyl-4-Aentanone	ND	064	ug2Kg
cetone	ND	39	ug2Kg
Benzene	ND	764	ug2Kg
Bromobenzene	ND	764	ug2Kg
Bromochloromethane	ND	764	ug2Kg
Bromodichloromethane	ND	764	ug2Kg
Bromoform	ND	764	ug2Kg
Bromomethane	ND	764	ug2Kg
Carbon5Tetrachloride	ND	764	ug2Kg
Chlorobenzene	ND	764	ug2Kg
Chloroethane	ND	764	ug2Kg
Chloroform	ND	764	ug2Kg
Chloromethane	ND	764	ug2Kg
cis-1,4-Dichloroethene	ND	764	ug2Kg
cis-1,7-Dichloropropene	ND	764	ug2Kg
Dibromochloromethane	ND	764	ug2Kg

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 9E878. **Project#:** 1/ 876 . 7. S. . .

Client: Roux5 ssociates **Location:** B&l5Foundry

489390-005 Analyte	Result	RL	Units
Dibromomethane	ND	764	ug2Kg
Pthylbenzene	ND	764	ug2Kg
Freon5l17	ND	764	ug2Kg
Freon5l4	ND	764	ug2Kg
Hexachlorobutadiene	ND	764	ug2Kg
Isopropylbenzene	ND	764	ug2Kg
Methylene5Chloride	ND	369	ug2Kg
MTBP	ND	764	ug2Kg
n-Butylbenzene	ND	764	ug2Kg
Naphthalene	ND	764	ug2Kg
para-Isopropyl5Toluene	ND	764	ug2Kg
Aropylbenzene	ND	764	ug2Kg
sec-Butylbenzene	ND	764	ug2Kg
Styrene	ND	764	ug2Kg
tert-Butylbenzene	ND	764	ug2Kg
Tetrachloroethene	ND	764	ug2Kg
Toluene	ND	764	ug2Kg
trans-1,4-Dichloroethene	ND	764	ug2Kg
trans-1,7-Dichloropropene	ND	764	ug2Kg
Trichloroethene	ND	764	ug2Kg
Trichlorofluoromethane	ND	764	ug2Kg
Vinyl5Chloride	ND	764	ug2Kg
m,p-Xylenes	ND	369	ug2Kg
o-Xylene	ND	764	ug2Kg

489390-005 Surrogate	%REC	Limits
Dibromofluoromethane	1. 7	/ . -190
1,4-Dichloroethane-d9	11/	/ . -190
Toluene-dE	1. 7	/ . -190
Bromofluorobenzene	1. /	/ . -190

Legend

ND: Not5Detected

RL: Reporting5Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 749296 **Project#:** 1392.6626S666

Client: Roux5 ssociates **Location:** B&l5Foundry

Field ID:	MW-10-10.6	**DiIn Fac:**	6.3678	**Analyzed:**	63/21/82
Lab ID:	749296-66E	**Batch#:**	2198E6	**Prep:**	PA 50620
Matrix:	Soil	**Sampled:**	63/84/82	**Analysis:**	PA 548E6B
Basis:	as5eceived	**Received:**	63/84/82	**Analyst:**	HMN

489390-006 Analyte	Result	RL	Units
TAH5Gasoline	ND	6.3	mg/Kg
1,1-Dichloroethane	ND	2.0	ug/Kg
1,1-Dichloroethene	ND	2.0	ug/Kg
1,1-Dichloropropene	ND	2.0	ug/Kg
1,1,1-Trichloroethane	ND	2.0	ug/Kg
1,1,1,8-Tetrachloroethane	ND	2.0	ug/Kg
1,1,8-Trichloroethane	ND	2.0	ug/Kg
1,1,8,8-Tetrachloroethane	ND	2.0	ug/Kg
1,8-Dibromo-2-Chloropropane	ND	2.0	ug/Kg
1,8-Dibromoethane	ND	2.0	ug/Kg
1,8-Dichlorobenzene	ND	2.0	ug/Kg
1,8-Dichloroethane	ND	2.0	ug/Kg
1,8-Dichloropropane	ND	2.0	ug/Kg
1,8,2-Trichlorobenzene	ND	2.0	ug/Kg
1,8,2-Trichloropropane	ND	2.0	ug/Kg
1,8,7-Trichlorobenzene	ND	2.0	ug/Kg
1,8,7-Trimethylbenzene	ND	2.0	ug/Kg
1,2-Dichlorobenzene	ND	2.0	ug/Kg
1,2-Dichloropropane	ND	2.0	ug/Kg
1,2,0-Trimethylbenzene	ND	2.0	ug/Kg
1,7-Dichlorobenzene	ND	2.0	ug/Kg
8-Butanone	ND	36	ug/Kg
8-Chlorotoluene	ND	2.0	ug/Kg
8,8-Dichloropropane	ND	2.0	ug/Kg
7-Chlorotoluene	ND	2.0	ug/Kg
7-Methyl-8-Aentanone	ND	0.3	ug/Kg
cetone	ND	36	ug/Kg
Benzene	ND	2.0	ug/Kg
Bromobenzene	ND	2.0	ug/Kg
Bromochloromethane	ND	2.0	ug/Kg
Bromodichloromethane	ND	2.0	ug/Kg
Bromoform	ND	2.0	ug/Kg
Bromomethane	ND	2.0	ug/Kg
Carbon5Tetrachloride	ND	2.0	ug/Kg
Chlorobenzene	ND	2.0	ug/Kg
Chloroethane	ND	2.0	ug/Kg
Chloroform	ND	2.0	ug/Kg
Chloromethane	ND	2.0	ug/Kg
cis-1,8-Dichloroethene	ND	2.0	ug/Kg
cis-1,2-Dichloropropene	ND	2.0	ug/Kg
Dibromochloromethane	ND	2.0	ug/Kg

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 749296 **Project#:** 1392.6626S666

Client: Roux5 ssociates **Location:** B&I5Foundry

489390-006 Analyte	Result	RL	Units
Dibromomethane	ND	2.0	ug/Kg
Pthylbenzene	ND	2.0	ug/Kg
Freon5I12	ND	2.0	ug/Kg
Freon5I8	ND	2.0	ug/Kg
Hexachlorobutadiene	ND	2.0	ug/Kg
Isopropylbenzene	ND	2.0	ug/Kg
Methylene5Chloride	ND	3.6	ug/Kg
MTBP	ND	2.0	ug/Kg
n-Butylbenzene	ND	2.0	ug/Kg
Naphthalene	ND	2.0	ug/Kg
para-Isopropyl5Toluene	ND	2.0	ug/Kg
Aropylbenzene	ND	2.0	ug/Kg
sec-Butylbenzene	ND	2.0	ug/Kg
Styrene	ND	2.0	ug/Kg
tert-Butylbenzene	ND	2.0	ug/Kg
Tetrachloroethene	ND	2.0	ug/Kg
Toluene	ND	2.0	ug/Kg
trans-1,8-Dichloroethene	ND	2.0	ug/Kg
trans-1,2-Dichloropropene	ND	2.0	ug/Kg
Trichloroethene	ND	2.0	ug/Kg
Trichlorofluoromethane	ND	2.0	ug/Kg
Vinyl5Chloride	ND	2.0	ug/Kg
m,p-Xylenes	ND	3.6	ug/Kg
o-Xylene	ND	2.0	ug/Kg

489390-006 Surrogate	%REC	Limits
Dibromofluoromethane	167	36-170
1,8-Dichloroethane-d7	186	36-170
Toluene-d4	93	36-170
Bromofluorobenzene	167	36-170

Legend

ND: Not5Detected

RL: Reporting5Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 289793 **Project#:** 1E9763373S333

Client: &obl 5 ssociaes **Location:** BF H5VobmdrR

Field ID:	MW-10-.63	**Diln Fac:**	7.631	**Analyzed:**	38/32/47
Lab ID:	289793-33E	**Batch#:**	71903E	**Prep:**	PA 5 37.
Matrix:	Soil	**Sampled:**	3E/4E/47	**Analysis:**	PA 5B403B
Basis:	as5received	**Received:**	3E/48/47	**Analyst:**	HNT

489390-007 Analyte	Result	RL	Units
GAn 5Dasolime	g K	7.	, h/Th
1t1-Kiculoroepuame	g K	183	bh/Th
1t1-Kiculoroepueme	g K	183	bh/Th
1t1-KiculoroCroCeme	g K	183	bh/Th
1t1t1-Griculoroepuame	g K	183	bh/Th
1t1t1t4-Gepraculoroepuame	g K	183	bh/Th
1t1t4-Griculoroepuame	g K	183	bh/Th
1t1t4t4-Gepraculoroepuame	g K	183	bh/Th
1t4-Kizro, o-7-y uloroCroCame	g K	183	bh/Th
1t4-Kizro, oepuame	g K	183	bh/Th
1t4-Kiculorozemfeme	g K	183	bh/Th
1t4-Kiculoroepuame	g K	183	bh/Th
1t4-KiculoroCroCame	g K	183	bh/Th
1t4t7-Griculorozemfeme	g K	183	bh/Th
1t4t7-GriculoroCroCame	g K	183	bh/Th
1t4t2-Griculorozemfeme	g K	183	bh/Th
1t4t2-Gri, epuFlzemfeme	g K	183	bh/Th
1t7-Kiculorozemfeme	g K	183	bh/Th
1t7-KiculoroCroCame	g K	183	bh/Th
1t7t. -Gri, epuFlzemfeme	g K	183	bh/Th
1t2-Kiculorozemfeme	g K	183	bh/Th
4-Bbpamome	g K	7t. 33	bh/Th
4-y uloropolbeme	g K	183	bh/Th
4t4-KiculoroCroCame	g K	183	bh/Th
2-y uloropolbeme	g K	183	bh/Th
2-MepuFl-4-Aempamome	g K	183	bh/Th
cepome	g K	7t. 33	bh/Th
Bemfeme	g K	183	bh/Th
Bro, ozemfeme	g K	183	bh/Th
Bro, oculoro, epuame	g K	183	bh/Th
Bro, odiculoro, epuame	g K	183	bh/Th
Bro, oxor,	g K	183	bh/Th
Bro, o, epuame	g K	183	bh/Th
y arzomGepraculoride	g K	183	bh/Th
y ulorozemfeme	g K	183	bh/Th
y uloroepuame	g K	183	bh/Th
y uloroxor,	g K	183	bh/Th
y uloro, epuame	g K	183	bh/Th
cis-1t4-Kiculoroepueme	g K	183	bh/Th
cis-1t7-KiculoroCroCeme	g K	183	bh/Th
Kizro, oculoro, epuame	g K	183	bh/Th

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 289793 **Project#:** 1E9763373S333

Client: &obl 5 ssociapes **Location:** BF H5Vobmdr R

489390-007 Analyte	Result	RL	Units
Kizro, o, epuame	g K	183	bh/Th
PpuFlzemfeme	g K	183	bh/Th
Vreom5l17	g K	183	bh/Th
Vreom5l4	g K	183	bh/Th
n el aculorozbpadieme	g K	183	bh/Th
HsloCroCFlzemfeme	g K	183	bh/Th
MepuFleme5y uloride	g K	7. 3	bh/Th
MGBP	g K	183	bh/Th
m-BbpFlzemfeme	g K	183	bh/Th
g aCupualeme	g K	183	bh/Th
Cara-HsloCroCFl5Colbeme	g K	183	bh/Th
AroCFlzemfeme	g K	183	bh/Th
sec-BbpFlzemfeme	g K	183	bh/Th
SpFleme	g K	183	bh/Th
perp-BbpFlzemfeme	g K	183	bh/Th
Cepraculoroepueme	g K	183	bh/Th
Colbeme	g K	183	bh/Th
prams-1t4-Kiculoroepueme	g K	183	bh/Th
prams-1t7-KiculoroCroCeme	g K	183	bh/Th
Criculoroepueme	g K	183	bh/Th
Criculoroxlboro, epuame	g K	183	bh/Th
XimFl5y uloride	g K	183	bh/Th
, tC-LFleme s	g K	7. 3	bh/Th
o-LFleme	g K	183	bh/Th

489390-007 Surrogate	%REC	Limits
Kizro, oxlboro, epuame	114	E3-12.
1t4-Kiculoroepuame-d2	138	E3-12.
Colbeme-d8	134	E3-12.
Bro, oxlborozemfeme	134	E3-12.

Nehemd

ND: g op5Kepecped

RL: &eCorpimn5N, ip

ENTHALPY ANALYTICAL

P7rOeable GrOanics by C/ dMS

Lab #: 89737. **PrUject#:** 1/ 736 . 3. S. . .

/ lient: Roux Associates **LUcatiUn:** AB&I Foundry

Field ID:	MW-10-1. 6	**DiIn Fac:**	. 60378	**Analyzed:**	. / 2312 43
Lab ID:	89737. -. . 9	**Batch#:**	31740.	**Prep:**	EPA 5. 35
Matrix:	Soil	**Sampled:**	. / 24/ 243	**Analysis:**	EPA 940. B
Basis:	as received	**Received:**	. / 2492 43	**Analyst:**	HMN

489390-008 Analyte	Res7lt	RL	u nits
TPH Gasoline	ND	. 60	mg2Kg
1,1-Dichloroethane	ND	364	ug2Kg
1,1-Dichloroethene	ND	364	ug2Kg
1,1-Dichloropropene	ND	364	ug2Kg
1,1,1-Trichloroethane	ND	364	ug2Kg
1,1,1,4-Tetrachloroethane	ND	364	ug2Kg
1,1,4-Trichloroethane	ND	364	ug2Kg
1,1,4,4-Tetrachloroethane	ND	364	ug2Kg
1,4-Dibromo-3-Chloropropane	ND	364	ug2Kg
1,4-Dibromoethane	ND	364	ug2Kg
1,4-Dichlorobenzene	ND	364	ug2Kg
1,4-Dichloroethane	ND	364	ug2Kg
1,4-Dichloropropane	ND	364	ug2Kg
1,4,3-Trichlorobenzene	ND	364	ug2Kg
1,4,3-Trichloropropane	ND	364	ug2Kg
1,4,8-Trichlorobenzene	ND	364	ug2Kg
1,4,8-Trimethylbenzene	ND	364	ug2Kg
1,3-Dichlorobenzene	ND	364	ug2Kg
1,3-Dichloropropane	ND	364	ug2Kg
1,3,5-Trimethylbenzene	ND	364	ug2Kg
1,8-Dichlorobenzene	ND	364	ug2Kg
4-Butanone	ND	08	ug2Kg
4-Chlorotoluene	ND	364	ug2Kg
4,4-Dichloropropane	ND	364	ug2Kg
8-Chlorotoluene	ND	364	ug2Kg
8-Methyl-4-Pentanone	ND	564	ug2Kg
AcetUne	**g0**	08	ug2Kg
Benzene	ND	364	ug2Kg
Bromobenzene	ND	364	ug2Kg
Bromochloromethane	ND	364	ug2Kg
Bromodichloromethane	ND	364	ug2Kg
Bromoform	ND	364	ug2Kg
Bromomethane	ND	364	ug2Kg
Carbon Tetrachloride	ND	364	ug2Kg
Chlorobenzene	ND	364	ug2Kg
Chloroethane	ND	364	ug2Kg
Chloroform	ND	364	ug2Kg
Chloromethane	ND	364	ug2Kg
cis-1,4-Dichloroethene	ND	364	ug2Kg
cis-1,3-Dichloropropene	ND	364	ug2Kg
Dibromochloromethane	ND	364	ug2Kg

ENTHALPY ANALYTICAL

P7rOeable GrOanics by C/ dMS

Lab #: 89737. **PrUject#:** 1/ 736 . 3. S. . .

/ lient: Roux Associates **LUcatiUn:** AB&I Foundry

489390-008 Analyte	Res7lt	RL	units
Dibromomethane	ND	364	ug2Kg
Ethylbenzene	ND	364	ug2Kg
Freon 113	ND	364	ug2Kg
Freon 14	ND	364	ug2Kg
Hexachlorobutadiene	ND	364	ug2Kg
Isopropylbenzene	ND	364	ug2Kg
Methylene Chloride	ND	068	ug2Kg
MTBE	ND	364	ug2Kg
n-Butylbenzene	ND	364	ug2Kg
Naphthalene	ND	364	ug2Kg
para-Isopropyl Toluene	ND	364	ug2Kg
Propylbenzene	ND	364	ug2Kg
sec-Butylbenzene	ND	364	ug2Kg
Styrene	ND	364	ug2Kg
tert-Butylbenzene	ND	364	ug2Kg
Tetrachloroethene	ND	364	ug2Kg
Toluene	ND	364	ug2Kg
trans-1,4-Dichloroethene	ND	364	ug2Kg
trans-1,3-Dichloropropene	ND	364	ug2Kg
Trichloroethene	ND	364	ug2Kg
Trichlorofluoromethane	ND	364	ug2Kg
Vinyl Chloride	ND	364	ug2Kg
m,p-Xylenes	ND	068	ug2Kg
o-Xylene	ND	364	ug2Kg

489390-008 S7rrUOate	%RE/	Limits
Dibromofluoromethane	1. 8	/ . -185
1,4-Dichloroethane-d8	118	/ . -185
Toluene-d9	1. 1	/ . -185
Bromofluorobenzene	1. 9	/ . -185

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 97E4E3 **Project#:** 18E46343S333

Client: Roux5 ssociates **Location:** B&l5Foundry

Field ID:	MW-10-1.63	**Diln Fac:**	360787	**Analyzed:**	37/31/24
Lab ID:	97E4E3-33E	**Batch#:**	41E2E7	**Prep:**	PA 5 34.
Matrix:	Soil	**Sampled:**	38/28/24	**Analysis:**	PA 57203B
Basis:	as5eceived	**Received:**	38/27/24	**Analyst:**	HMN

489390-009 Analyte	Result	RL	Units
TAH5Gasoline	ND	368	mg/Kg
1,1-Dichloroethane	ND	469	ug/Kg
1,1-Dichloroethene	ND	469	ug/Kg
1,1-Dichloropropene	ND	469	ug/Kg
1,1,1-Trichloroethane	ND	469	ug/Kg
1,1,1,2-Tetrachloroethane	ND	469	ug/Kg
1,1,2-Trichloroethane	ND	469	ug/Kg
1,1,2,2-Tetrachloroethane	ND	469	ug/Kg
1,2-Dibromo-4-Chloropropane	ND	469	ug/Kg
1,2-Dibromoethane	ND	469	ug/Kg
1,2-Dichlorobenzene	ND	469	ug/Kg
1,2-Dichloroethane	ND	469	ug/Kg
1,2-Dichloropropane	ND	469	ug/Kg
1,2,4-Trichlorobenzene	ND	469	ug/Kg
1,2,4-Trichloropropane	ND	469	ug/Kg
1,2,9-Trichlorobenzene	ND	469	ug/Kg
1,2,9-Trimethylbenzene	ND	469	ug/Kg
1,4-Dichlorobenzene	ND	469	ug/Kg
1,4-Dichloropropane	ND	469	ug/Kg
1,4,. -Trimethylbenzene	ND	469	ug/Kg
1,9-Dichlorobenzene	ND	469	ug/Kg
2-Butanone	ND	0E	ug/Kg
2-Chlorotoluene	ND	469	ug/Kg
2,2-Dichloropropane	ND	469	ug/Kg
9-Chlorotoluene	ND	469	ug/Kg
9-Methyl-2-Aentanone	ND	469	ug/Kg
cetone	ND	0E	ug/Kg
Benzene	ND	469	ug/Kg
Bromobenzene	ND	469	ug/Kg
Bromochloromethane	ND	469	ug/Kg
Bromodichloromethane	ND	469	ug/Kg
Bromoform	ND	469	ug/Kg
Bromomethane	ND	469	ug/Kg
Carbon5Tetrachloride	ND	469	ug/Kg
Chlorobenzene	ND	469	ug/Kg
Chloroethane	ND	469	ug/Kg
Chloroform	ND	469	ug/Kg
Chloromethane	ND	469	ug/Kg
cis-1,2-Dichloroethene	ND	469	ug/Kg
cis-1,4-Dichloropropene	ND	469	ug/Kg
Dibromochloromethane	ND	469	ug/Kg

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 97E4E3 **Project#:** 18E46343S333

Client: Roux5 ssociates **Location:** B&I5Foundry

489390-009 Analyte	Result	RL	Units
Dibromomethane	ND	469	ug/Kg
Pthylbenzene	ND	469	ug/Kg
Freon5l14	ND	469	ug/Kg
Freon5l2	ND	469	ug/Kg
Hexachlorobutadiene	ND	469	ug/Kg
Isopropylbenzene	ND	469	ug/Kg
Methylene5Chloride	ND	06E	ug/Kg
MTBP	ND	469	ug/Kg
n-Butylbenzene	ND	469	ug/Kg
Naphthalene	ND	469	ug/Kg
para-Isopropyl5Toluene	ND	469	ug/Kg
Aropylbenzene	ND	469	ug/Kg
sec-Butylbenzene	ND	469	ug/Kg
Styrene	ND	469	ug/Kg
tert-Butylbenzene	ND	469	ug/Kg
Tetrachloroethene	ND	469	ug/Kg
Toluene	ND	469	ug/Kg
trans-1,2-Dichloroethene	ND	469	ug/Kg
trans-1,4-Dichloropropene	ND	469	ug/Kg
Trichloroethene	ND	469	ug/Kg
Trichlorofluoromethane	ND	469	ug/Kg
Vinyl5Chloride	ND	469	ug/Kg
m,p-Xylenes	ND	06E	ug/Kg
o-Xylene	ND	469	ug/Kg

489390-009 Surrogate	%REC	Limits
Dibromofluoromethane	E.	83-19.
1,2-Dichloroethane-d9	EE	83-19.
Toluene-d7	133	83-19.
Bromofluorobenzene	134	83-19.

Legend

ND: Not5Detected

RL: Reporting5Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: E28/ 83 **Project#:** 108/ 683/ 3S333

Client: Roux5 ssociates **Location:** B&I5Foundry

Field ID:	MW-10-. 63	**Diln Fac:**	3670 8/	**Analyzed:**	324 3149/
Lab ID:	E28/ 83-313	**Batch#:**	/ 18982	**Prep:**	PA 5 3/ .
Matrix:	Soil	**Sampled:**	304 9749/	**Analysis:**	PA 52973B
Basis:	as5received	**Received:**	304 9249/	**Analyst:**	HMN

489390-010 Analyte	Result	RL	Units
TAH5Gasoline	ND	360	mg4Kg
1,1-Dichloroethane	ND	/ 6E	ug4Kg
1,1-Dichloroethene	ND	/ 6E	ug4Kg
1,1-Dichloropropene	ND	/ 6E	ug4Kg
1,1,1-Trichloroethane	ND	/ 6E	ug4Kg
1,1,1,9-Tetrachloroethane	ND	/ 6E	ug4Kg
1,1,9-Trichloroethane	ND	/ 6E	ug4Kg
1,1,9,9-Tetrachloroethane	ND	/ 6E	ug4Kg
1,9-Dibromo-/ -Chloropropane	ND	/ 6E	ug4Kg
1,9-Dibromoethane	ND	/ 6E	ug4Kg
1,9-Dichlorobenzene	ND	/ 6E	ug4Kg
1,9-Dichloroethane	ND	/ 6E	ug4Kg
1,9-Dichloropropane	ND	/ 6E	ug4Kg
1,9,/ -Trichlorobenzene	ND	/ 6E	ug4Kg
1,9,/ -Trichloropropane	ND	/ 6E	ug4Kg
1,9,E-Trichlorobenzene	ND	/ 6E	ug4Kg
1,9,E-Trimethylbenzene	ND	/ 6E	ug4Kg
1,/ -Dichlorobenzene	ND	/ 6E	ug4Kg
1,/ -Dichloropropane	ND	/ 6E	ug4Kg
1,/ ,. -Trimethylbenzene	ND	/ 6E	ug4Kg
1,E-Dichlorobenzene	ND	/ 6E	ug4Kg
9-Butanone	ND	72	ug4Kg
9-Chlorotoluene	ND	/ 6E	ug4Kg
9,9-Dichloropropane	ND	/ 6E	ug4Kg
E-Chlorotoluene	ND	/ 6E	ug4Kg
E-Methyl-9-Aentanone	ND	/ 6E	ug4Kg
cetone	ND	72	ug4Kg
Benzene	ND	/ 6E	ug4Kg
Bromobenzene	ND	/ 6E	ug4Kg
Bromochloromethane	ND	/ 6E	ug4Kg
Bromodichloromethane	ND	/ 6E	ug4Kg
Bromoform	ND	/ 6E	ug4Kg
Bromomethane	ND	/ 6E	ug4Kg
Carbon5Tetrachloride	ND	/ 6E	ug4Kg
Chlorobenzene	ND	/ 6E	ug4Kg
Chloroethane	ND	/ 6E	ug4Kg
Chloroform	ND	/ 6E	ug4Kg
Chloromethane	ND	/ 6E	ug4Kg
cis-1,9-Dichloroethene	ND	/ 6E	ug4Kg
cis-1,/ -Dichloropropene	ND	/ 6E	ug4Kg
Dibromochloromethane	ND	/ 6E	ug4Kg

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: E28/ 83 **Project#:** 108/ 63/ 3S333

Client: Roux5 ssociates **Location:** B&l5Foundry

489390-010 Analyte	Result	RL	Units
Dibromomethane	ND	/ 6E	ug4Kg
Pthylbenzene	ND	/ 6E	ug4Kg
Freon5l 1/	ND	/ 6E	ug4Kg
Freon5l 9	ND	/ 6E	ug4Kg
Hexachlorobutadiene	ND	/ 6E	ug4Kg
Isopropylbenzene	ND	/ 6E	ug4Kg
Methylene5Chloride	ND	762	ug4Kg
MTBP	ND	/ 6E	ug4Kg
n-Butylbenzene	ND	/ 6E	ug4Kg
Naphthalene	ND	/ 6E	ug4Kg
para-Isopropyl5Toluene	ND	/ 6E	ug4Kg
Aropylbenzene	ND	/ 6E	ug4Kg
sec-Butylbenzene	ND	/ 6E	ug4Kg
Styrene	ND	/ 6E	ug4Kg
tert-Butylbenzene	ND	/ 6E	ug4Kg
Tetrachloroethene	ND	/ 6E	ug4Kg
Toluene	ND	/ 6E	ug4Kg
trans-1,9-Dichloroethene	ND	/ 6E	ug4Kg
trans-1,/ -Dichloropropene	ND	/ 6E	ug4Kg
Trichloroethene	ND	/ 6E	ug4Kg
Trichlorofluoromethane	ND	/ 6E	ug4Kg
Vinyl5Chloride	ND	/ 6E	ug4Kg
m,p-Xylenes	ND	762	ug4Kg
o-Xylene	ND	/ 6E	ug4Kg

489390-010 Surrogate	%REC	Limits
Dibromofluoromethane	80	03-1E.
1,9-Dichloroethane-dE	13/	03-1E.
Toluene-d2	82	03-1E.
Bromofluorobenzene	131	03-1E.

Legend

ND: Not5Detected

RL: Reporting5Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: E/ 898. **Project#:** 10896 . 9. S. . .

Client: Roux5 ssociates **Location:** B&l5Foundry

Field ID: MW-10-1. 6 **DiIn Fac:** . 63708 **Analyzed:** . / 2 1249

Lab ID: E/ 898. -. 11 **Batch#:** 91848/ **Prep:** PA 57. 97

Matrix: Soil **Sampled:** . 0243249 **Analysis:** PA 5/ 43. B

Basis: as5eceived **Received:** . 024/ 249 **Analyst:** HMN

489390-011 Analyte	Result	RL	Units
TAH5Gasoline	ND	. 60	mg2Kg
1,1-Dichloroethane	ND	969	ug2Kg
1,1-Dichloroethene	ND	969	ug2Kg
1,1-Dichloropropene	ND	969	ug2Kg
1,1,1-Trichloroethane	ND	969	ug2Kg
1,1,1,4-Tetrachloroethane	ND	969	ug2Kg
1,1,4-Trichloroethane	ND	969	ug2Kg
1,1,4,4-Tetrachloroethane	ND	969	ug2Kg
1,4-Dibromo-9-Chloropropane	ND	969	ug2Kg
1,4-Dibromoethane	ND	969	ug2Kg
1,4-Dichlorobenzene	ND	969	ug2Kg
1,4-Dichloroethane	ND	969	ug2Kg
1,4-Dichloropropane	ND	969	ug2Kg
1,4,9-Trichlorobenzene	ND	969	ug2Kg
1,4,9-Trichloropropane	ND	969	ug2Kg
1,4,E-Trichlorobenzene	ND	969	ug2Kg
1,4,E-Trimethylbenzene	ND	969	ug2Kg
1,9-Dichlorobenzene	ND	969	ug2Kg
1,9-Dichloropropane	ND	969	ug2Kg
1,9,7-Trimethylbenzene	ND	969	ug2Kg
1,E-Dichlorobenzene	ND	969	ug2Kg
4-Butanone	ND	33	ug2Kg
4-Chlorotoluene	ND	969	ug2Kg
4,4-Dichloropropane	ND	969	ug2Kg
E-Chlorotoluene	ND	969	ug2Kg
E-Methyl-4-Aentanone	ND	969	ug2Kg
cetone	ND	33	ug2Kg
Benzene	ND	969	ug2Kg
Bromobenzene	ND	969	ug2Kg
Bromochloromethane	ND	969	ug2Kg
Bromodichloromethane	ND	969	ug2Kg
Bromoform	ND	969	ug2Kg
Bromomethane	ND	969	ug2Kg
Carbon5Tetrachloride	ND	969	ug2Kg
Chlorobenzene	ND	969	ug2Kg
Chloroethane	ND	969	ug2Kg
Chloroform	ND	969	ug2Kg
Chloromethane	ND	969	ug2Kg
cis-1,4-Dichloroethene	ND	969	ug2Kg
cis-1,9-Dichloropropene	ND	969	ug2Kg
Dibromochloromethane	ND	969	ug2Kg

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: E/ 898. **Project#:** 10896 . 9. S. . .

Client: Roux5 ssociates **Location:** B&l5Foundry

489390-011 Analyte	Result	RL	Units
Dibromomethane	ND	969	ug2Kg
Pthylbenzene	ND	969	ug2Kg
Freon5l19	ND	969	ug2Kg
Freon5l4	ND	969	ug2Kg
Hexachlorobutadiene	ND	969	ug2Kg
Isopropylbenzene	ND	969	ug2Kg
Methylene5Chloride	ND	363	ug2Kg
MTBP	ND	969	ug2Kg
n-Butylbenzene	ND	969	ug2Kg
Naphthalene	ND	969	ug2Kg
para-Isopropyl5Toluene	ND	969	ug2Kg
Aropylbenzene	ND	969	ug2Kg
sec-Butylbenzene	ND	969	ug2Kg
Styrene	ND	969	ug2Kg
tert-Butylbenzene	ND	969	ug2Kg
Tetrachloroethene	ND	969	ug2Kg
Toluene	ND	969	ug2Kg
trans-1,4-Dichloroethene	ND	969	ug2Kg
trans-1,9-Dichloropropene	ND	969	ug2Kg
Trichloroethene	ND	969	ug2Kg
Trichlorofluoromethane	ND	969	ug2Kg
Vinyl5Chloride	ND	969	ug2Kg
m,p-Xylenes	ND	363	ug2Kg
o-Xylene	ND	969	ug2Kg

489390-011 Surrogate	%REC	Limits
Dibromofluoromethane	80	0. -1E7
1,4-Dichloroethane-dE	1. 9	0. -1E7
Toluene-d/	8/	0. -1E7
Bromofluorobenzene	1. .	0. -1E7

Legend

ND: Not5Detected

RL: Reporting5Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 9/ 7473 **Project#:** 10746 3435 333

Client: RSux Ass Scoates **Location:** AB&I F Sundry

Field ID:	MW-10-1. 63	**DiIn Fac:**	36 7. 8	**Analyzed:**	3/ 2312 84
Lab ID:	9/ 7473-318	**Batch#:**	41787/	**Prep:**	EPA . 34.
Matrix:	5 Soi	**Sampled:**	302 8l 2 84	**Analysis:**	EPA / 8l 3B
Basis:	as receoved	**Received:**	302 8/ 2 84	**Analyst:**	HMN

489390-012 Analyte	Result	RL	Units
TPH GasSione	ND	36	mg2Kg
1,1-DochiSrSethane	ND	463	ug2Kg
1,1-DochiSrSethene	ND	463	ug2Kg
1,1-DochiSrSprSpene	ND	463	ug2Kg
1,1,1-TrochiSrSethane	ND	463	ug2Kg
1,1,1,8-TetrachiSrSethane	ND	463	ug2Kg
1,1,8-TrochiSrSethane	ND	463	ug2Kg
1,1,8,8-TetrachiSrSethane	ND	463	ug2Kg
1,8-DobrSmS-4-ChiSrSprSpane	ND	463	ug2Kg
1,8-DobrSmSethane	ND	463	ug2Kg
1,8-DochiSrSbenzene	ND	463	ug2Kg
1,8-DochiSrSethane	ND	463	ug2Kg
1,8-DochiSrSprSpane	ND	463	ug2Kg
1,8,4-TrochiSrSbenzene	ND	463	ug2Kg
1,8,4-TrochiSrSprSpane	ND	463	ug2Kg
1,8,9-TrochiSrSbenzene	ND	463	ug2Kg
1,8,9-Tromethyibenzene	ND	463	ug2Kg
1,4-DochiSrSbenzene	ND	463	ug2Kg
1,4-DochiSrSprSpane	ND	463	ug2Kg
1,4,. -Tromethyibenzene	ND	463	ug2Kg
1,9-DochiSrSbenzene	ND	463	ug2Kg
8-ButanSne	ND	l 3	ug2Kg
8-ChiSrStSiuene	ND	463	ug2Kg
8,8-DochiSrSprSpane	ND	463	ug2Kg
9-ChiSrStSiuene	ND	463	ug2Kg
9-Methyi-8-PentanSne	ND	463	ug2Kg
AcetSne	ND	l 3	ug2Kg
Benzene	ND	463	ug2Kg
BrSmSbenzene	ND	463	ug2Kg
BrSmSchiSrSmethane	ND	463	ug2Kg
BrSmSdochiSrSmethane	ND	463	ug2Kg
BrSmSfSrm	ND	463	ug2Kg
BrSmSmethane	ND	463	ug2Kg
CarbSn TetrachiSrode	ND	463	ug2Kg
ChiSrSbenzene	ND	463	ug2Kg
ChiSrSethane	ND	463	ug2Kg
ChiSrSfSrm	ND	463	ug2Kg
ChiSrSmethane	ND	463	ug2Kg
cos-1,8-DochiSrSethene	ND	463	ug2Kg
cos-1,4-DochiSrSprSpene	ND	463	ug2Kg
DobrSmSchiSrSmethane	ND	463	ug2Kg

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 9/ 7473 **Project#:** 10746 3435 333

Client: RSux AssScoates **Location:** AB&I FSundry

489390-012 Analyte	Result	RL	Units
DdorSmSmethane	ND	463	ug2Kg
Ethyibenzene	ND	463	ug2Kg
FreSn 114	ND	463	ug2Kg
FreSn 18	ND	463	ug2Kg
HexachiSrSbutadoene	ND	463	ug2Kg
IsSprSpyibenzene	ND	463	ug2Kg
Methyiene ChiSrode	ND	I 63	ug2Kg
MTBE	ND	463	ug2Kg
n-Butyibenzene	ND	463	ug2Kg
Naphthaiene	ND	463	ug2Kg
para-IsSprSpyi TSiuene	ND	463	ug2Kg
PrSpyibenzene	ND	463	ug2Kg
sec-Butyibenzene	ND	463	ug2Kg
5tyrene	ND	463	ug2Kg
tert-Butyibenzene	ND	463	ug2Kg
TetrachiSrSethene	ND	463	ug2Kg
TSiuene	ND	463	ug2Kg
trans-1,8-DochiSrSethene	ND	463	ug2Kg
trans-1,4-DochiSrSprSpene	ND	463	ug2Kg
TrochiSrSethene	ND	463	ug2Kg
TrochiSrSfiuSrSmethane	ND	463	ug2Kg
Vonyi ChiSrode	ND	463	ug2Kg
m,p-Xyienes	ND	I 63	ug2Kg
S-Xyiene	ND	463	ug2Kg

489390-012 Surrogate	%REC	Limits
DdorSmSfiuSrSmethane	138	03-19.
1,8-DochiSrSethane-d9	13/	03-19.
TSiuene-d/	7I	03-19.
BrSmSfiuSrSbenzene	133	03-19.

Legend

ND: NSt Detected

RL: RepSrtong Lomd

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 489390 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: BS **DilnFac:** 1.000 **Prep:** EPA 5035

Lab ID: QC1083363 **Batch#:** 319260 **Analysis:** EPA 8260B

Matrix: Soil **Analyzed:** 07/31/23 **Analyst:** EJB

QC1083363 Analyte	Spiked	Result	%REC	Limits	Units
1,1-Dichloroethene	50.00	57.32	115	70-131	ug/Kg
Benzene	50.00	54.72	109	70-130	ug/Kg
Chlorobenzene	50.00	53.59	107	70-130	ug/Kg
MTBE	50.00	55.53	111	69-130	ug/Kg
Toluene	50.00	54.64	109	70-130	ug/Kg
Trichloroethene	50.00	64.09	128	70-130	ug/Kg

QC1083363 Surrogate	%REC	Limits
Dibromofluoromethane	100	70-130
1,2-Dichloroethane-d4	111	70-145
Toluene-d8	102	70-145
Bromofluorobenzene	105	70-145

Type: BSD **DilnFac:** 1.000 **Prep:** EPA 5035

Lab ID: QC1083364 **Batch#:** 319260 **Analysis:** EPA 8260B

Matrix: Soil **Analyzed:** 07/31/23 **Analyst:** EJB

QC1083364 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
1,1-Dichloroethene	50.00	52.46	105	70-131	ug/Kg	9	33
Benzene	50.00	48.78	98	70-130	ug/Kg	11	30
Chlorobenzene	50.00	47.53	95	70-130	ug/Kg	12	30
MTBE	50.00	53.70	107	69-130	ug/Kg	3	30
Toluene	50.00	45.60	91	70-130	ug/Kg	18	30
Trichloroethene	50.00	56.92	114	70-130	ug/Kg	12	30

QC1083364 Surrogate	%REC	Limits
Dibromofluoromethane	100	70-130
1,2-Dichloroethane-d4	111	70-145
Toluene-d8	99	70-145
Bromofluorobenzene	104	70-145

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 489Q9. **Project#:** 579Q0 . Q S. . .

Client: Roux Associates **Location:** AB&I Foundry

Type: BLANK **Diln Fac:** 50 . . **Prep:** EPA 3. Q3

Lab ID: C15. 8QQ23 **Batch#:** Q5962. **Analysis:** EPA 862. B

Matrix: Soil **Analyzed:** . 7/Q5/6Q **Analyst:** EJB

QC1083365 Analyte	Result	RL	Units
TPH Gasoline	ND	50	mg/Kg
5,5-Dichloroethane	ND	30	ug/Kg
5,5-Dichloroethene	ND	30	ug/Kg
5,5-Dichloropropene	ND	30	ug/Kg
5,5,5-Trichloroethane	ND	30	ug/Kg
5,5,5,6-Tetrachloroethane	ND	30	ug/Kg
5,5,6-Trichloroethane	ND	30	ug/Kg
5,5,6,6-Tetrachloroethane	ND	30	ug/Kg
5,6-Dibromo-Q-1 hloropropane	ND	30	ug/Kg
5,6-Dibromoethane	ND	30	ug/Kg
5,6-Dichlorobenzene	ND	30	ug/Kg
5,6-Dichloroethane	ND	30	ug/Kg
5,6-Dichloropropane	ND	30	ug/Kg
5,6,Q-Trichlorobenzene	ND	30	ug/Kg
5,6,Q-Trichloropropane	ND	30	ug/Kg
5,6,4-Trichlorobenzene	ND	30	ug/Kg
5,6,4-Trimethylbenzene	ND	30	ug/Kg
5,Q-Dichlorobenzene	ND	30	ug/Kg
5,Q-Dichloropropane	ND	30	ug/Kg
5,Q3-Trimethylbenzene	ND	30	ug/Kg
5,4-Dichlorobenzene	ND	30	ug/Kg
6-Butanone	ND	5. .	ug/Kg
6-1 hlorotoluene	ND	30	ug/Kg
6,6-Dichloropropane	ND	30	ug/Kg
4-1 hlorotoluene	ND	30	ug/Kg
4-Methyl-6-Pentanone	ND	865	ug/Kg
Acetone	ND	5. .	ug/Kg
Benzene	ND	30	ug/Kg
Bromobenzene	ND	30	ug/Kg
Bromochloromethane	ND	30	ug/Kg
Bromodichloromethane	ND	30	ug/Kg
Bromoform	ND	30	ug/Kg
Bromomethane	ND	30	ug/Kg
1 arbon Tetrachloride	ND	30	ug/Kg
1 hlorobenzene	ND	30	ug/Kg
1 hloroethane	ND	30	ug/Kg
1 hloroform	ND	30	ug/Kg
1 hloromethane	ND	30	ug/Kg
cis-5,6-Dichloroethene	ND	30	ug/Kg
cis-5,Q-Dichloropropene	ND	30	ug/Kg
Dibromochloromethane	ND	30	ug/Kg
Dibromomethane	ND	30	ug/Kg

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 489Q9. **Project#:** 579Q0 . Q S. . .

Client: Roux Associates **Location:** AB&I Foundry

QC1083365 Analyte	Result	RL	Units
Ethylbenzene	ND	30	ug/Kg
Freon 55Q	ND	30	ug/Kg
Freon 56	ND	30	ug/Kg
Hexachlorobutadiene	ND	30	ug/Kg
Isopropylbenzene	ND	30	ug/Kg
Methylene 1 hloride	ND	5.	ug/Kg
MTBE	ND	30	ug/Kg
n-Butylbenzene	ND	30	ug/Kg
Naphthalene	ND	30	ug/Kg
para-Isopropyl Toluene	ND	30	ug/Kg
Propylbenzene	ND	30	ug/Kg
sec-Butylbenzene	ND	30	ug/Kg
Styrene	ND	30	ug/Kg
tert-Butylbenzene	ND	30	ug/Kg
Tetrachloroethene	ND	30	ug/Kg
Toluene	ND	30	ug/Kg
trans-5,6-Dichloroethene	ND	30	ug/Kg
trans-5,Q-Dichloropropene	ND	30	ug/Kg
Trichloroethene	ND	30	ug/Kg
Trichlorofluoromethane	ND	30	ug/Kg
Vinyl 1 hloride	ND	30	ug/Kg
m,p-Xylenes	ND	5.	ug/Kg
o-Xylene	ND	30	ug/Kg

QC1083365 Surrogate	%REC	Limits
Dibromofluoromethane	97	7. -5Q.
5,6-Dichloroethane-d4	5. 8	7. -543
Toluene-d8	5. 4	7. -543
Bromofluorobenzene	5. 9	7. -543

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: N89390 **Project#:** 1793.0030S000

Client: Romx Assot iak€s **Location:** AB&I Formdgy

Type: BS **Diln Fac:** 1.000 **Prep:** EPA 5035

Lab ID: QC1083322 **Batch#:** 319620 **Analysis:** EPA 8620B

Matrix: Soil **Analyzed:** 07/31/63 **Analyst:** EJB

QC1083366 Analyte	Spiked	Result	%REC	Limits	Units
TPH Gasoline	0.5000	0.N6N5	85	70,130	- D/c D
1h1,r it ulogpeKiene		z A			
Ben4ene		z A			
Culogpben4ene		z A			
MTBE		z A			
Tolmene		z A			
Tgit ulogpeKiene		z A			

QC1083366 Surrogate	%REC	Limits
r ibgp- ofImogp- eKiane	101	70,130
1h6,r it ulogpeKiane,dN	110	70,1N5
Tolmene,d8	101	70,1N5
Bgp- ofImogpben4ene	108	70,1N5

Type: BSr **Diln Fac:** 1.000 **Prep:** EPA 5035

Lab ID: QC1083327 **Batch#:** 319620 **Analysis:** EPA 8620B

Matrix: Soil **Analyzed:** 07/31/63 **Analyst:** EJB

QC1083367 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
TPH Gasoline	0.5000	0.N3N3	87	70,130	- D/c D	6	60
1h1,r it ulogpeKiene		z A					
Ben4ene		z A					
Culogpben4ene		z A					
MTBE		z A					
Tolmene		z A					
Tgit ulogpeKiene		z A					

QC1083367 Surrogate	%REC	Limits
r ibgp- ofImogp- eKiane	92	70,130
1h6,r it ulogpeKiane,dN	102	70,1N5
Tolmene,d8	10N	70,1N5
Bgp- ofImogpben4ene	105	70,1N5

LeDend

NA: z okAnaly4ed

RPD: Relakive Pegt enKr iffegent e

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 689390 **Project#:** 1/ 93.0030S000

Client: Ri gx Assi hlart s **Location:** AB&I Fi gude y

Type: BS **Diln Fac:** 1.000 **Prep:** EPA 5035

Lab ID: QC1083663 **Batch#:** 319298 **Analysis:** EPA 82o0B

Matrix: Si l7 **Analyzed:** 0/ J31J23 **Analyst:** E, B

QC1083443 Analyte	Spiked	Result	%REC	Limits	Units
1-1Dc lhr 7 ei t mr t ut	50.00	53.o2	10/	/ 0D31	gK±K
Bt u4t ut	50.00	53.9o	108	/ 0D30	gK±K
Cr 7 ei bt u4t ut	50.00	53.65	10/	/ 0D30	gK±K
MTBE	50.00	52.6o	105	o9D30	gK±K
Ti 7gt ut	50.00	56.88	110	/ 0D30	gK±K
Tdhr 7 ei t mr t ut	50.00	55./ 2	111	/ 0D30	gK±K

QC1083443 Surrogate	%REC	Limits
c lbei mi f7gi ei mt mr aut	99	/ 0D30
1-2Dc lhr 7 ei t mr aut D6	103	/ 0D65
Ti 7gt ut D8	102	/ 0D65
Bei mi f7gi ei bt u4t ut	101	/ 0D65

Type: BSc **Diln Fac:** 1.000 **Prep:** EPA 5035

Lab ID: QC1083666 **Batch#:** 319298 **Analysis:** EPA 82o0B

Matrix: Si l7 **Analyzed:** 0/ J31J23 **Analyst:** E, B

QC1083444 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
1-1Dc lhr 7 ei t mr t ut	50.00	56.55	109	/ 0D31	gK±K	2	33
Bt u4t ut	50.00	56.9o	110	/ 0D30	gK±K	2	30
Cr 7 ei bt u4t ut	50.00	53.91	108	/ 0D30	gK±K	1	30
MTBE	50.00	52.96	10o	o9D30	gK±K	1	30
Ti 7gt ut	50.00	55./ 9	112	/ 0D30	gK±K	2	30
Tdhr 7 ei t mr t ut	50.00	55.o2	111	/ 0D30	gK±K	0	30

QC1083444 Surrogate	%REC	Limits
c lbei mi f7gi ei mt mr aut	100	/ 0D30
1-2Dc lhr 7 ei t mr aut D6	100	/ 0D65
Ti 7gt ut D8	101	/ 0D65
Bei mi f7gi ei bt u4t ut	100	/ 0D65

Lt K ud

RPD: Rt 7anlvt Pt eht unc lfft et uht

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 289390 **Project#:** 1/ 93.0030S000

Client: Ri mx Anni t lsIKh **Location:** AB&I Fi medgy

Type: BS **Diln Fac:** 1.000 **Prep:** EPA 5035

Lab ID: QC1083225 **Batch#:** 319698 **Analysis:** EPA 86o0B

Matrix: Si l7 **Analyzed:** 0/ J31J63 **Analyst:** ETB

QC1083445 Analyte	Spiked	Result	%REC	Limits	Units
HPGa sni 7eN	0.5000	0.5025	101	/ 0,130	- DJc D
1h1,r ltu7 g NKuNeN		z A			
BNe4NeN		z A			
Cu7 g bNe4NeN		z A			
MHBE		z A			
Hi 7mNeN		z A			
Hgtu7 g NKuNeN		z A			

QC1083445 Surrogate	%REC	Limits
r lbgj - i f7mi g - NKuseN	99	/ 0,130
1h6,r ltu7 g NKuseN,d2	9/	/ 0,125
Hi 7mNeN,d8	100	/ 0,125
Bgj - i f7mi g bNe4NeN	106	/ 0,125

Type: BSr **Diln Fac:** 1.000 **Prep:** EPA 5035

Lab ID: QC108322o **Batch#:** 319698 **Analysis:** EPA 86o0B

Matrix: Si l7 **Analyzed:** 0/ J31J63 **Analyst:** ETB

QC1083446 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
HPGa sni 7eN	0.5000	0.5011	100	/ 0,130	- DJc D	1	60
1h1,r ltu7 g NKuNeN		z A					
BNe4NeN		z A					
Cu7 g bNe4NeN		z A					
MHBE		z A					
Hi 7mNeN		z A					
Hgtu7 g NKuNeN		z A					

QC1083446 Surrogate	%REC	Limits
r lbgj - i f7mi g - NKuseN	9o	/ 0,130
1h6,r ltu7 g NKuseN,d2	9/	/ 0,125
Hi 7mNeN,d8	101	/ 0,125
Bgj - i f7mi g bNe4NeN	100	/ 0,125

LNDNed

NA: z i KAes7y4Nd

RPD: RNzsKvN PNgt NeKr IffNgNet N

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 489Q9. **Project#:** 5/ 9Q0 . Q S. . .

Client: Ropx AnnohisuDn **Location:** AB&I Fopef td

Type: BLANK **Diln Fac:** 50 . . **Prep:** EPA 3. Q3

Lab ID: C1 5. 8Q448 **Batch#:** Q59698 **Analysis:** EPA 862. B

Matrix: Soil **Analyzed:** . / HQ5H6Q **Analyst:** MT N

QC1083448 Analyte	Result	RL	Units
GPM a snolieD	Nm	50	g , HK,
5-5omihr lotoDur seD	Nm	30	p, HK,
5-5omihr lotoDur DeD	Nm	30	p, HK,
5-5omihr lotobtobDeD	Nm	30	p, HK,
5-5-5oGtihr lotoDur seD	Nm	30	p, HK,
5-5-5-6oGDutshr lotoDur seD	Nm	30	p, HK,
5-5-6oGtihr lotoDur seD	Nm	30	p, HK,
5-5-6-6oGDutshr lotoDur seD	Nm	30	p, HK,
5-6omiztog ocQc1 r lotobtobseD	Nm	30	p, HK,
5-6omiztog oDur seD	Nm	30	p, HK,
5-6omihr lotozDeyDeD	Nm	30	p, HK,
5-6omihr lotoDur seD	Nm	30	p, HK,
5-6omihr lotobtobseD	Nm	30	p, HK,
5-6-QoGtihr lotozDeyDeD	Nm	30	p, HK,
5-6-QoGtihr lotobtobseD	Nm	30	p, HK,
5-6-4oGtihr lotozDeyDeD	Nm	30	p, HK,
5-6-4oGtig Dur dlzDeyDeD	Nm	30	p, HK,
5-Qomihr lotozDeyDeD	Nm	30	p, HK,
5-QomihrlotobtobseD	Nm	30	p, HK,
5-Q-3oGtig Dur dlzDeyDeD	Nm	30	p, HK,
5-4omihr lotozDeyDeD	Nm	30	p, HK,
6oBpuseoeD	Nm	5. .	p, HK,
6c1 r lotowolpDeD	Nm	30	p, HK,
6-6omihr lotobtobseD	Nm	30	p, HK,
4c1 r lotowolpDeD	Nm	30	p, HK,
4cT Dur dlo6oPDeuseoeD	Nm	30	p, HK,
AhDuoeD	Nm	5. .	p, HK,
BDeyDeD	Nm	30	p, HK,
Btog ozDeyDeD	Nm	30	p, HK,
Btog ohr lotog Dur seD	Nm	30	p, HK,
Btog of ihr lotog Dur seD	Nm	30	p, HK,
Btog o7otg	Nm	30	p, HK,
Btog og Dur seD	Nm	30	p, HK,
1 stzoe GDutshr lotif D	Nm	30	p, HK,
1 r lotozDeyDeD	Nm	30	p, HK,
1 r lotoDur seD	Nm	30	p, HK,
1 r loto7otg	Nm	30	p, HK,
1 r lotog Dur seD	Nm	30	p, HK,
hinc5-6omihr lotoDur DeD	Nm	30	p, HK,
hinc5-QomihrlotobtobDeD	Nm	30	p, HK,
miztog ohr lotog Dur seD	Nm	30	p, HK,
miztog og Dur seD	Nm	30	p, HK,

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 489Q9. **Project#:** 5/ 9Q0 . Q S. . .

Client: Ropx AnnohisuDn **Location:** AB&I Fopef td

QC1083448 Analyte	Result	RL	Units
Eur dlz DeyDeD	Nm	30	p, HK,
FtDoe 55Q	Nm	30	p, HK,
FtDoe 56	Nm	30	p, HK,
MDxshr lotozpusf iDeD	Nm	30	p, HK,
Inobtobdlz DeyDeD	Nm	30	p, HK,
T Dur dlDeD 1 r lotif D	Nm	5.	p, HK,
T GBE	Nm	30	p, HK,
edBpudlz DeyDeD	Nm	30	p, HK,
Nsbr ur slDeD	Nm	30	p, HK,
bstsdnobtobdl GolpDeD	Nm	30	p, HK,
Ptobdlz DeyDeD	Nm	30	p, HK,
nDhdBpudlz DeyDeD	Nm	30	p, HK,
SudtDeD	Nm	30	p, HK,
uDtudBpudlz DeyDeD	Nm	30	p, HK,
GDutshr lotoDur DeD	Nm	30	p, HK,
GolpDeD	Nm	30	p, HK,
utsenc5-6cmihr lotoDur DeD	Nm	30	p, HK,
utsenc5-Qcmihr lotobtobDeD	Nm	30	p, HK,
Gtihr lotoDur DeD	Nm	30	p, HK,
Gtihr loto7potog Dur seD	Nm	30	p, HK,
Viedl 1 r lotif D	Nm	30	p, HK,
g -bcXdlDeDn	Nm	5.	p, HK,
ocXdlDeD	Nm	30	p, HK,

QC1083448 Surrogate	%REC	Limits
miztog o7potog Dur seD	93	/ . c5Q.
5-6cmihr lotoDur seDcf 4	9/	/ . c543
GolpDeDcf 8	5. .	/ . c543
Btog o7potoz DeyDeD	99	/ . c543

LD, Def

ND: NoumDuDhuDf

RL: RDbotiie, Lig iu

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 489390 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: BS **Dil'n Fac:** 1.000 **Prep:** EPA 5035

Lab ID: QC1084402 **Batch#:** 319607 **Analysis:** EPA 8260B

Matrix: Soil **Analyzed:** 08/04/23 **Analyst:** HMN

QC1084402 Analyte	Spiked	Result	%REC	Limits	Units
1,1-Dichloroethene	50.00	55.14	110	70-131	ug/Kg
Benzene	50.00	51.29	103	70-130	ug/Kg
Chlorobenzene	50.00	43.81	88	70-130	ug/Kg
MTBE	50.00	51.58	103	69-130	ug/Kg
Toluene	50.00	44.76	90	70-130	ug/Kg
Trichloroethene	50.00	54.64	109	70-130	ug/Kg

QC1084402 Surrogate	%REC	Limits
Dibromofluoromethane	111	70-130
1,2-Dichloroethane-d4	98	70-145
Toluene-d8	94	70-145
Bromofluorobenzene	105	70-145

Type: BSD **Dil'n Fac:** 1.000 **Prep:** EPA 5035

Lab ID: QC1084403 **Batch#:** 319607 **Analysis:** EPA 8260B

Matrix: Soil **Analyzed:** 08/04/23 **Analyst:** HMN

QC1084403 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
1,1-Dichloroethene	50.00	57.78	116	70-131	ug/Kg	5	33
Benzene	50.00	54.12	108	70-130	ug/Kg	5	30
Chlorobenzene	50.00	45.68	91	70-130	ug/Kg	4	30
MTBE	50.00	53.84	108	69-130	ug/Kg	4	30
Toluene	50.00	46.31	93	70-130	ug/Kg	3	30
Trichloroethene	50.00	56.87	114	70-130	ug/Kg	4	30

QC1084403 Surrogate	%REC	Limits
Dibromofluoromethane	112	70-130
1,2-Dichloroethane-d4	100	70-145
Toluene-d8	94	70-145
Bromofluorobenzene	105	70-145

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 489390 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: BS **Dil'n Fac:** 1.000 **Prep:** EPA 5035

Lab ID: QC1084404 **Batch#:** 319607 **Analysis:** EPA 8260B

Matrix: Soil **Analyzed:** 08/04/23 **Analyst:** HMN

QC1084404 Analyte	Spiked	Result	%REC	Limits	Units
TPH Gasoline	0.5000	0.5828	117	70-130	mg/Kg
1,1-Dichloroethene		NA			
Benzene		NA			
Chlorobenzene		NA			
MTBE		NA			
Toluene		NA			
Trichloroethene		NA			

QC1084404 Surrogate	%REC	Limits
Dibromofluoromethane	116	70-130
1,2-Dichloroethane-d4	120	70-145
Toluene-d8	97	70-145
Bromofluorobenzene	103	70-145

Type: BSD **Dil'n Fac:** 1.000 **Prep:** EPA 5035

Lab ID: QC1084405 **Batch#:** 319607 **Analysis:** EPA 8260B

Matrix: Soil **Analyzed:** 08/04/23 **Analyst:** HMN

QC1084405 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
TPH Gasoline	0.5000	0.6365	127	70-130	mg/Kg	9	20
1,1-Dichloroethene		NA					
Benzene		NA					
Chlorobenzene		NA					
MTBE		NA					
Toluene		NA					
Trichloroethene		NA					

QC1084405 Surrogate	%REC	Limits
Dibromofluoromethane	117	70-130
1,2-Dichloroethane-d4	121	70-145
Toluene-d8	95	70-145
Bromofluorobenzene	105	70-145

Legend

NA: Not Analyzed

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 486Q6. **Project#:** 596Q0 . Q o . . .

Client: Ri px Anni hlsuDn **Location:** AB&I Fi pef td

Type: BLANK **Diln Fac:** 50 . . **Prep:** EPA 3. Q3

Lab ID: C15. 844. 9 **Batch#:** Q562. 9 **Analysis:** EPA 8S2. B

Matrix: oi l/ **Analyzed:** . 8H4HSQ **Analyst:** MT N

QC1083304 Analyte	Result	RL	Units
GPMasni /leD	Nm	50	g , HK,
5-5omlhr /i ti DurseD	Nm	30	p, HK,
5-5omlhr /i ti DurDeD	Nm	30	p, HK,
5-5omlhr /i ti bti bDeD	Nm	30	p, HK,
5-5-5oGtlhr /i ti DurseD	Nm	30	p, HK,
5-5-5-SoGDutshr /i ti DurseD	Nm	30	p, HK,
5-5-SoGtlhr /i ti DurseD	Nm	30	p, HK,
5-5-S-SoGDutshr /i ti DurseD	Nm	30	p, HK,
5-Somlzti g i cQc1 r /i ti bti bseD	Nm	30	p, HK,
5-Somlzti g i DurseD	Nm	30	p, HK,
5-Somlhr /i ti zDeyDeD	Nm	30	p, HK,
5-Somlhr /i ti DurseD	Nm	30	p, HK,
5-Somlhr /i ti bti bseD	Nm	30	p, HK,
5-S-QoGtlhr /i ti zDeyDeD	Nm	30	p, HK,
5-S-QoGtlhr /i ti bti bseD	Nm	30	p, HK,
5-S-4oGtlhr /i ti zDeyDeD	Nm	30	p, HK,
5-S-4oGtlg Durd/zDeyDeD	Nm	30	p, HK,
5-Qomlhr /i ti zDeyDeD	Nm	30	p, HK,
5-Qomlhr /i ti bti bseD	Nm	30	p, HK,
5-Q-3oGtlg Durd/zDeyDeD	Nm	30	p, HK,
5-4omlhr /i ti zDeyDeD	Nm	30	p, HK,
ScBpusei eD	Nm	5. .	p, HK,
Sc1 r /i ti ui /pDeD	Nm	30	p, HK,
S-Somlhr /i ti bti bseD	Nm	30	p, HK,
4c1 r /i ti ui /pDeD	Nm	30	p, HK,
4cT Durd/cSoPDeusei eD	Nm	865	p, HK,
AhDui eD	Nm	5. .	p, HK,
BDeyDeD	Nm	30	p, HK,
Bti g i zDeyDeD	Nm	30	p, HK,
Bti g i hr /i ti g DurseD	Nm	30	p, HK,
Bti g i f lhr /i ti g DurseD	Nm	30	p, HK,
Bti g i 7 tg	Nm	30	p, HK,
Bti g i g DurseD	Nm	30	p, HK,
1 stzi e GDutshr /i tlf D	Nm	30	p, HK,
1 r /i ti zDeyDeD	Nm	30	p, HK,
1 r /i ti DurseD	Nm	30	p, HK,
1 r /i ti 7 tg	Nm	30	p, HK,
1 r /i ti g DurseD	Nm	30	p, HK,
hlnc5-Somlhr /i ti DurDeD	Nm	30	p, HK,
hlnc5-Qomlhr /i ti bti bDeD	Nm	30	p, HK,
mlzti g i hr /i ti g DurseD	Nm	30	p, HK,
mlzti g i g DurseD	Nm	30	p, HK,

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 486Q6. **Project#:** 596Q0 . Q o . . .

Client: Ri px Anni hlsuDn **Location:** AB&I Fi pef td

QC1083304 Analyte	Result	RL	Units
Eur d/z DeyDeD	Nm	30	p, HK,
FtDi e 55Q	Nm	30	p, HK,
FtDi e 5S	Nm	30	p, HK,
MDxshr /i ti zpusf lDeD	Nm	30	p, HK,
Ini bti bd/z DeyDeD	Nm	30	p, HK,
T Dur d/DeD 1 r /i tlf D	Nm	5.	p, HK,
T GBE	Nm	30	p, HK,
edBpud/z DeyDeD	Nm	30	p, HK,
Nsbr ur s/DeD	Nm	30	p, HK,
bstsdni bti bd/ Gi /pDeD	Nm	30	p, HK,
Pti bd/z DeyDeD	Nm	30	p, HK,
nDhdBpud/z DeyDeD	Nm	30	p, HK,
oudtDeD	Nm	30	p, HK,
uDtudBpud/z DeyDeD	Nm	30	p, HK,
GDutshr /i ti Dur DeD	Nm	30	p, HK,
Gi /pDeD	Nm	30	p, HK,
utsenc5-Scmlhr /i ti Dur DeD	Nm	30	p, HK,
utsenc5-Qcmlhr /i ti bti bDeD	Nm	30	p, HK,
Gtlhr /i ti Dur DeD	Nm	30	p, HK,
Gtlhr /i ti 7pi ti g Dur seD	Nm	30	p, HK,
Vled/ 1 r /i tlf D	Nm	30	p, HK,
g -bcXd/DeDn	Nm	5.	p, HK,
i cXd/DeD	Nm	30	p, HK,

QC1083304 Surrogate	%REC	Limits
mlzti g i 7pi ti g Dur seD	552	9. c5Q.
5-Scmlhr /i ti Dur seDcf 4	556	9. c543
Gi /pDeDcf 8	63	9. c543
Bti g i 7pi ti z DeyDeD	5. 4	9. c543

LD, Def

ND: Ni umDuDhuDf

RL: RDbi tule, Llg lu

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 489390 **Project#:** 1293.0030o 000

Client: Ri px Anni hlsuDn **Location:** AB&I Fi pef td

Type: BLANK **Diln Fac:** 50.00 **Prep:** EPA 5035

Lab ID: QC1084408 **Batch#:** 319602 **Analysis:** EPA 8S60B

Matrix: oi l/ **Analyzed:** 08l04l5S3 **Analyst:** MT N

QC1084408 Analyte	Result	RL	Units
GPMa sni /leD	Nm	50	g , HK,
1-1cmlhr /i ti DurseD	Nm	S50	p, HK,
1-1cmlhr /i ti DurDeD	Nm	S50	p, HK,
1-1cmlhr /i ti bti bDeD	Nm	S50	p, HK,
1-1-1cGtlhr /i ti DurseD	Nm	S50	p, HK,
1-1-1-ScGDtshr /i ti DurseD	Nm	S50	p, HK,
1-1-ScGtlhr /i ti DurseD	Nm	S50	p, HK,
1-1-S-ScGDtshr /i ti DurseD	Nm	S50	p, HK,
1-Scmlzti g i c3cCr /i ti bti bseD	Nm	S50	p, HK,
1-Scmlzti g i DurseD	Nm	S50	p, HK,
1-Scmlhr /i ti zDeyDeD	Nm	S50	p, HK,
1-Scmlhr /i ti DurseD	Nm	S50	p, HK,
1-Scmlhr /i ti bti bseD	Nm	S50	p, HK,
1-S-3cGtlhr /i ti zDeyDeD	Nm	S50	p, HK,
1-S-3cGtlhr /i ti bti bseD	Nm	S50	p, HK,
1-S-4cGtlhr /i ti zDeyDeD	Nm	S50	p, HK,
1-S-4cGtlg Durd/zDeyDeD	Nm	S50	p, HK,
1-3cmlhr /i ti zDeyDeD	Nm	S50	p, HK,
1-3cmlhr /i ti bti bseD	Nm	S50	p, HK,
1-3-5cGtlg Durd/zDeyDeD	Nm	S50	p, HK,
1-4cmlhr /i ti zDeyDeD	Nm	S50	p, HK,
ScBpusei eD	Nm	5-000	p, HK,
ScCr /i ti ui /pDeD	Nm	S50	p, HK,
S-Scmlhr /i ti bti bseD	Nm	S50	p, HK,
4cCr /i ti ui /pDeD	Nm	S50	p, HK,
4cT Durd/cScPDeusei eD	Nm	S50	p, HK,
AhDui eD	Nm	5-000	p, HK,
BDeyDeD	Nm	S50	p, HK,
Bti g i zDeyDeD	Nm	S50	p, HK,
Bti g i hr /i ti g DurseD	Nm	S50	p, HK,
Bti g i flhr /i ti g DurseD	Nm	S50	p, HK,
Bti g i 7l tg	Nm	S50	p, HK,
Bti g i g DurseD	Nm	S50	p, HK,
Cstzi e GDtshr /i tlf D	Nm	S50	p, HK,
Cr /i ti zDeyDeD	Nm	S50	p, HK,
Cr /i ti DurseD	Nm	S50	p, HK,
Cr /i ti 7l tg	Nm	S50	p, HK,
Cr /i ti g DurseD	Nm	S50	p, HK,
hlnc1-Scmlhr /i ti DurDeD	Nm	S50	p, HK,
hlnc1-3cmlhr /i ti bti bDeD	Nm	S50	p, HK,
mlzti g i hr /i ti g DurseD	Nm	S50	p, HK,
mlzti g i g DurseD	Nm	S50	p, HK,

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 489390 **Project#:** 1293.0030o 000

Client: Ri px Anni hlsuDn **Location:** AB&I Fi pef td

QC1084408 Analyte	Result	RL	Units
Eur d/z DeyDeD	Nm	S50	p, HK,
FtDi e 113	Nm	S50	p, HK,
FtDi e 1S	Nm	S50	p, HK,
MDxshr /i ti zpusf lDeD	Nm	S50	p, HK,
Ini bti bd/z DeyDeD	Nm	S50	p, HK,
T Dur d/DeD Cr /i tlf D	Nm	500	p, HK,
T GBE	Nm	S50	p, HK,
edBpud/z DeyDeD	Nm	S50	p, HK,
Nsbr ur s/DeD	Nm	S50	p, HK,
bstsdni bti bd/ Gi /pDeD	Nm	S50	p, HK,
Pti bd/z DeyDeD	Nm	S50	p, HK,
nDhdBpud/z DeyDeD	Nm	S50	p, HK,
oudtDeD	Nm	S50	p, HK,
uDtudBpud/z DeyDeD	Nm	S50	p, HK,
GDutshr /i ti Dur DeD	Nm	S50	p, HK,
Gi /pDeD	Nm	S50	p, HK,
utsenc1-Scmlhr /i ti Dur DeD	Nm	S50	p, HK,
utsenc1-3cmlhr /i ti bti bDeD	Nm	S50	p, HK,
Gtlhr /i ti Dur DeD	Nm	S50	p, HK,
Gtlhr /i ti 7pi ti g Dur seD	Nm	S50	p, HK,
Vled/ Cr /i tlf D	Nm	S50	p, HK,
g -bcXd/DeDn	Nm	500	p, HK,
i cXd/DeD	Nm	S50	p, HK,

QC1084408 Surrogate	%REC	Limits
mlzti g i 7pi ti g Dur seD	113	20c130
1-Scmlhr /i ti Dur seDcf 4	109	20c145
Gi /pDeDcf 8	100	20c145
Bti g i 7pi ti z DeyDeD	104	20c145

LD, Def

ND: Ni umDLDhuDf

RL: RDbi tule, Llg lu

ENTHALPY ANALYTICAL

CalifobPia TiRe 77 s ePalt

map #: 0sr rS **LbojexR#:** 14r .SS SeSSS

CliePR: RcuxIdi i c26on/i **moxaRioP:** dP&llFcuA87m

FieldID: MW-10-5.S **Matit:** oil7 2/63/8 **rexeiSed:** S49as9a

mapID: 0sr rS-SS1 **DilP Fax:** 1.SSS **LbeBabed:** S49 19a

saRic: ec6v **vaABled:** S49as9a **nPalyzed:** S49 19a

48929-0-1 nPalyRe	retulR	rm	UPiR	MaRxh#	LbeB	nPalytit	nPalytR
dAn6 cAm	yN	S.rr	t D9gD	1ra 1	KEdl S5SP	KEdlBSaS	JCE
nbtePix	**7.2**	S.rr	t D9gD	1ra 1	KEdl S5SP	KEdlBSaS	JCE
MabiuA	**76-**	S.rr	t D9gD	1ra 1	KEdl S5SP	KEdlBSaS	JCE
P/7mw6ut	yN	S.rr	t D9gD	1ra 1	KEdl S5SP	KEdlBSaS	JCE
Co8t 6ut	yN	S.5S	t D9gD	1ra 1	KEdl S5SP	KEdlBSaS	JCE
ChboA iuA	**33**	S.rr	t D9gD	1ra 1	KEdl S5SP	KEdlBSaS	JCE
CopalR	**N.3**	S.rr	t D9gD	1ra 1	KEdl S5SP	KEdlBSaS	JCE
CoBBeb	**78**	S.rr	t D9gD	1ra 1	KEdl S5SP	KEdlBSaS	JCE
mead	**N.-**	S.5S	t D9gD	1ra 1	KEdl S5SP	KEdlBSaS	JCE
M/72u7m	yN	S.1B	t D9gD	1ra S	MKTHON	KEdl4041d	gdM
Mcvmb8/Aut	yN	S.rr	t D9gD	1ra 1	KEdl S5SP	KEdlBSaS	JCE
kix5el	**44**	S.rr	t D9gD	1ra 1	KEdl S5SP	KEdlBSaS	JCE
e/vA6ut	yN	a.S	t D9gD	1ra 1	KEdl S5SP	KEdlBSaS	JCE
e68/7	yN	S.5S	t D9gD	1ra 1	KEdl S5SP	KEdlBSaS	JCE
Thow6ut	yN	S.rr	t D9gD	1ra 1	KEdl S5SP	KEdlBSaS	JCE
VaPadiuA	**42**	a.S	t D9gD	1ra 1	KEdl S5SP	KEdlBSaS	JCE
ZiPx	**38**	5.S	t D9gD	1ra 1	KEdl S5SP	KEdlBSaS	JCE

L/D'A8

kD: ycrlN/ri2ri8

rm: R/pc7r6ACLL6i 6n

ENTHALPY ANALYTICAL

oalif3bPia TiRe 11 s ePalt

map #: 0a s 5 **LbBjexR#:** 18 s.55s5r 555

oliePR: Reuxiv ooe/ 2SA7o **m3xaR3P:** v B&liFeud3lt

Field ID: MW-10-15.5 **Mat it :** Soil7/ 72673 **r exeiSed:** 5849a49s

map ID: 0a s 5-559 **DilP Fax:** 1.555 **LbeBabed:** 584s149s

s aRic: r e2c **vaA Bled:** 5849a49s **nPalyzed:** 584s149s

48929-0-1 nPalyRe	r et ulR	r m	UPiR	MaRxh#	LbeB	nPalyt it	nPalyt R
v dA2n edt	my	5. N	n D4gD	s1 9s1	KEvis5P5B	KEviN595	JCE
nbt ePix	**7.6**	5. N	n D4gD	s1 9s1	KEvis5P5B	KEviN595	JCE
MabiuA	**C2-**	5. N	n D4gD	s1 9s1	KEvis5P5B	KEviN595	JCE
B7lt cc2un	my	5. N	n D4gD	s1 9s1	KEvis5P5B	KEviN595	JCE
CS3n 2un	my	5.0a	n D4gD	s1 9s1	KEvis5P5B	KEviN595	JCE
ohb3A iuA	**4N**	5. N	n D4gD	s1 9s1	KEvis5P5B	KEviN595	JCE
o3palR	**C1**	5. N	n D4gD	s1 9s1	KEvis5P5B	KEviN595	JCE
o3BBeb	**1C**	5. N	n D4gD	s1 9s1	KEvis5P5B	KEviN595	JCE
mead	**7.9**	5.0a	n D4gD	s1 9s1	KEvis5P5B	KEviN595	JCE
M7l/ ult	my	5.1N	n D4gD	s1 9s5	MKTHOy	KEvi8081v	gvM
Medcb37dun	my	5. N	n D4gD	s1 9s1	KEvis5P5B	KEviN595	JCE
k ix5el	**NC**	5. N	n D4gD	s1 9s1	KEvis5P5B	KEviN595	JCE
r 7c7d2un	my	1.	n D4gD	s1 9s1	KEvis5P5B	KEviN595	JCE
r 2667l	my	5.0a	n D4gD	s1 9s1	KEvis5P5B	KEviN595	JCE
ThScc2un	my	5. N	n D4gD	s1 9s1	KEvis5P5B	KEviN595	JCE
VaPadiuA	**22**	1.	n D4gD	s1 9s1	KEvis5P5B	KEviN595	JCE
ZiPx	**4N**	0.a	n D4gD	s1 9s1	KEvis5P5B	KEviN595	JCE

L7D7d3

k D: meAy 7A7/ A73

r m: R7pelA2dDL2n 2A

ENTHALPY ANALYTICAL

California Title 22 Metals

Lab #: 0sr rS **Project#:** 14r .SS SeSSS

Client: RcuxIdi i c26on/i **Location:** dP&llFcuA87m

Field ID: MW-10-15.S **Basis:** oi l7/ 2/ 63/ 8 **Received:** S49as9a

Lab ID: 0sr rS-SS **DiIn Fac:** 1.SSS **Prepared:** S49 19a

Matrix: ec6v **Sampled:** S49as9a **Analyzed:** S49 19a

489390-003 Analyte	Result	RL	Units	Batch#	Prep	Analysis	Analyst
dAn6t cAm	y N	S.r s	t D9gD	1r a 1	KEdl S5SP	KEdlBSaS	JCE
Arsenic	**4.7**	S.r s	t D9gD	1r a 1	KEdl S5SP	KEdlBSaS	JCE
Barium	**83**	S.r s	t D9gD	1r a 1	KEdl S5SP	KEdlBSaS	JCE
P/ 7mw6ut	y N	S.r s	t D9gD	1r a 1	KEdl S5SP	KEdlBSaS	JCE
Co8t 6ut	y N	S.0r	t D9gD	1r a 1	KEdl S5SP	KEdlBSaS	JCE
Chromium	**33**	S.r s	t D9gD	1r a 1	KEdl S5SP	KEdlBSaS	JCE
Cobalt	**8.1**	S.r s	t D9gD	1r a 1	KEdl S5SP	KEdlBSaS	JCE
Copper	**16**	S.r s	t D9gD	1r a 1	KEdl S5SP	KEdlBSaS	JCE
Lead	**4.3**	S.0r	t D9gD	1r a 1	KEdl S5SP	KEdlBSaS	JCE
Mercury	**0.62**	S.1B	t D9gD	1r a0a	MKTHON	KEdl4041d	gdM
Mcvmb8/ Aut	y N	S.r s	t D9gD	1r a 1	KEdl S5SP	KEdlBSaS	JCE
Nickel	**38**	S.r s	t D9gD	1r a 1	KEdl S5SP	KEdlBSaS	JCE
e/ v A6ut	y N	a.S	t D9gD	1r a 1	KEdl S5SP	KEdlBSaS	JCE
e68/ 7	y N	S.0r	t D9gD	1r a 1	KEdl S5SP	KEdlBSaS	JCE
Thow6ut	y N	S.r s	t D9gD	1r a 1	KEdl S5SP	KEdlBSaS	JCE
Vanadium	**28**	a.S	t D9gD	1r a 1	KEdl S5SP	KEdlBSaS	JCE
Zinc	**38**	0.r	t D9gD	1r a 1	KEdl S5SP	KEdlBSaS	JCE

L/ D/ A8

ND: y crlN/ ri 2ri 8

RL: R/ pc7r6AOLi 6n

ENTHALPY ANALYTICAL

3alifCrnia Title oo Metals

Lab h: ar sr. **PrCjecth:** 18r s5 . s. e . . .

3 lient: Rcuxid ooc/ 2Sn7o **LCcatiCn:** d P&liFcuA3Im

Field ID: MW-10-05. **Basis:** Soil 7/ 72673 **Received:** . 849a49s

Lab ID: ar sr . -. . **Diln Fac:** 15 . . **Prepared:** . 84s149s

Matrix: e c2v **Sampled:** . 849a49s **Analyzed:** . 84s149s

48929- 0- - 4 Analyte	Res1lt	RL	units	BatcUh	Prep	Analysis	Analyst
dAn2t cAm	y N	. 5 8	t D4gD	s1r9s1	KEdis. 0. P	KEdiB. 9.	JCE
Arsenic	**2#6**	. 5 8	t D4gD	s1r9s1	KEdis. 0. P	KEdiB. 9.	JCE
Bari1m	**. . -**	. 5 8	t D4gD	s1r9s1	KEdis. 0. P	KEdiB. 9.	JCE
P7lmw2ut	y N	. 5 8	t D4gD	s1r9s1	KEdis. 0. P	KEdiB. 9.	JCE
CS3t 2ut	y N	. 5 r	t D4gD	s1r9s1	KEdis. 0. P	KEdiB. 9.	JCE
3 UrCmi1m	**o8**	. 5 8	t D4gD	s1r9s1	KEdis. 0. P	KEdiB. 9.	JCE
3 Cbalt	**5#9**	. 5 8	t D4gD	s1r9s1	KEdis. 0. P	KEdiB. 9.	JCE
3 Cpper	**. 2**	. 5 8	t D4gD	s1r9s1	KEdis. 0. P	KEdiB. 9.	JCE
Lead	**4#**	. 5 r	t D4gD	s1r9s1	KEdis. 0. P	KEdiB. 9.	JCE
M7l/ ulm	y N	. 5lB	t D4gD	s1r9 9	MKTHON	KEdi8 81d	gdM
Mcvmb37Aut	y N	. 5 8	t D4gD	s1r9s1	KEdis. 0. P	KEdiB. 9.	JCE
Nickel	**24**	. 5 8	t D4gD	s1r9s1	KEdis. 0. P	KEdiB. 9.	JCE
e7v7A2ut	y N	15	t D4gD	s1r9s1	KEdis. 0. P	KEdiB. 9.	JCE
e2367l	y N	. 5 r	t D4gD	s1r9s1	KEdis. 0. P	KEdiB. 9.	JCE
ThSw2ut	y N	. 5 8	t D4gD	s1r9s1	KEdis. 0. P	KEdiB. 9.	JCE
Vanadi1m	**o4**	15	t D4gD	s1r9s1	KEdis. 0. P	KEdiB. 9.	JCE
Zinc	**2-**	5	t D4gD	s1r9s1	KEdis. 0. P	KEdiB. 9.	JCE

L7D7A3

ND: y criN7n7/ n73

RL: R7pcln2ADL2 2n

ENTHALPY ANALYTICAL

oalif3bPia TiRe CCs ePalt

map #: ar sr 5 **LbBjexR#:** 18r s.55s5e555

oliePR: Rcuxidooc/2Sn7o **m3xaR3P:** dB&liFcuA3lm

Field ID: MW-10-15.5 **Mat it :** Soil7/72673 **r exeiSed:** 5849a49s

map ID: ar sr 5-550 **DilP Fax:** 1.555 **LbeBabed:** 584s149s

s aRic: ec2v **vaA Bled:** 5849a49s **nPalyzed:** 584s149s

48929-0-1 nPalyRe	r et ulR	r m	UPiR	MaRxh#	LbeB	nPalyt it	nPalyt R
dAn2t cAm	y N	5.r D	t g4Kg	s1r9s1	EPdis505B	EPdiD595	JCP
nbt ePix	**47**	5.r D	t g4Kg	s1r9s1	EPdis505B	EPdiD595	JCP
MabiuA	**6C-**	5.r D	t g4Kg	s1r9s1	EPdis505B	EPdiD595	JCP
B7lmw2ut	y N	5.r D	t g4Kg	s1r9s1	EPdis505B	EPdiD595	JCP
CS3t 2ut	y N	5. a	t g4Kg	s1r9s1	EPdis505B	EPdiD595	JCP
ohb3A iuA	**2C**	5.r D	t g4Kg	s1r9s1	EPdis505B	EPdiD595	JCP
o3palR	**97-**	5.r D	t g4Kg	s1r9s1	EPdis505B	EPdiD595	JCP
o3BBeb	**64**	5.r D	t g4Kg	s1r9s1	EPdis505B	EPdiD595	JCP
mead	**47N**	5. a	t g4Kg	s1r9s1	EPdis505B	EPdiD595	JCP
M7l/ulm	y N	5.1D	t g4Kg	s1r9 9	METHON	EPdi8 81d	KdM
Mcvmb37Aut	y N	5.r D	t g4Kg	s1r9s1	EPdis505B	EPdiD595	JCP
kix5el	**28**	5.r D	t g4Kg	s1r9s1	EPdis505B	EPdiD595	JCP
e7v7A2ut	y N	1.r	t g4Kg	s1r9s1	EPdis505B	EPdiD595	JCP
e2367l	y N	5. a	t g4Kg	s1r9s1	EPdis505B	EPdiD595	JCP
ThSw2ut	y N	5.r D	t g4Kg	s1r9s1	EPdis505B	EPdiD595	JCP
VaPadiuA	**CN**	1.r	t g4Kg	s1r9s1	EPdis505B	EPdiD595	JCP
ZiPx	**24**	.a	t g4Kg	s1r9s1	EPdis505B	EPdiD595	JCP

L7g7A3

kD: y criN7n7/n73

r m: R7pcln2AgiL2 2n

ENTHALPY ANALYTICAL

CalifobPia TiRe 77 s eRalt

map #: ar sr.
LbojexR#: 18r s5 . s. c . . .
CliePR: RvuxiAoov/2St7o
moxaRioP: AB&liFvun3ly

Field ID: MW-10-105
Mat it : Soil7/72673
r exeiSed: . 849a49s
map ID: ar sr . -. . e
DilP Fax: 15 . .
LbeBabed: . 84s149s
s aRic: c v2l
vaA Bled: . 849a49s
nPalyzed: . 84s149s

48929-0-1 nPalyRe	r et ulR	r m	UPiR	MaRxh#	LbeB	nPalyt it	nPalyt R
Ant2mvny	ND	. 5r	mg4Kg	s1r9s1	EPAis. 0. B	EPAie. 9.	JCP
nbt ePix	**7.1**	. 5r	mg4Kg	s1r9s1	EPAis. 0. B	EPAie. 9.	JCP
MabiuA	**67-**	. 5r	mg4Kg	s1r9s1	EPAis. 0. B	EPAie. 9.	JCP
B7lyd2um	ND	. 5r	mg4Kg	s1r9s1	EPAis. 0. B	EPAie. 9.	JCP
CS3m2um	ND	. 50.	mg4Kg	s1r9s1	EPAis. 0. B	EPAie. 9.	JCP
ChboA iuA	**47**	. 5r	mg4Kg	s1r9s1	EPAis. 0. B	EPAie. 9.	JCP
CopaIR	**8.3**	. 5r	mg4Kg	s1r9s1	EPAis. 0. B	EPAie. 9.	JCP
CoBBeb	**7-**	. 5r	mg4Kg	s1r9s1	EPAis. 0. B	EPAie. 9.	JCP
mead	**N.3**	. 50.	mg4Kg	s1r9s1	EPAis. 0. B	EPAie. 9.	JCP
M7l/uly	ND	. 510	mg4Kg	s1r9 9	METHOD	EPAi8 81A	KAM
Mvdyb37num	ND	. 5r	mg4Kg	s1r9s1	EPAis. 0. B	EPAie. 9.	JCP
k ix5el	**48**	. 5r	mg4Kg	s1r9s1	EPAis. 0. B	EPAie. 9.	JCP
c7d7n2um	ND	95	mg4Kg	s1r9s1	EPAis. 0. B	EPAie. 9.	JCP
c2667l	ND	. 50.	mg4Kg	s1r9s1	EPAis. 0. B	EPAie. 9.	JCP
ThSd2um	ND	. 5r	mg4Kg	s1r9s1	EPAis. 0. B	EPAie. 9.	JCP
VaPadiuA	**24**	95	mg4Kg	s1r9s1	EPAis. 0. B	EPAie. 9.	JCP
ZiPx	**4N**	05	mg4Kg	s1r9s1	EPAis. 0. B	EPAie. 9.	JCP

L7g7n3

kD: NvtiD7t7/t73

r m: R7pvlt2ngiL2n2

ENTHALPY ANALYTICAL

oalif7x- ia TiBe . . b eBalt

map h: 489390 **r x7jecBh:** 1793.0030S000

olie- B: Roux Associates **m7caB7- :** AB&I Foundry

Field ID: MW-16-5.0 **Mat it :** as received **r xeSaxed:** 08/01/23

map ID: 489390-007 **PaL Sled:** 07/27/23

b aBxis: Soil **Received:** 07/28/23

Anyzy48149 2 - al0Be	Ret 1lB	Rm	u - iB	Dil- Fac	MaBcUh	2 - al0#ed	r xeS	2 - al0t it	2 - al0t B
2 - BL 7- 0	**. 6y**	0.99	mg/Kg	1.000	319316	08/01/23	EPA 3050B	EPA 6020	JCP
2 xt e- ic	**Cz**	0.99	mg/Kg	1.000	319316	08/01/23	EPA 3050B	EPA 6020	JCP
Maxi1L	**. 44**	20	mg/Kg	20.00	319316	08/02/23	EPA 3050B	EPA 6020	JCP
Beryllium	ND	0.99	mg/Kg	1.000	319316	08/01/23	EPA 3050B	EPA 6020	JCP
oadL i1L	**. 63**	0.50	mg/Kg	1.000	319316	08/01/23	EPA 3050B	EPA 6020	JCP
oUx7L i1L	**n4**	0.99	mg/Kg	1.000	319316	08/01/23	EPA 3050B	EPA 6020	JCP
o7palB	**C9**	0.99	mg/Kg	1.000	319316	08/01/23	EPA 3050B	EPA 6020	JCP
o7SSex	**C. 4**	20	mg/Kg	20.00	319316	08/02/23	EPA 3050B	EPA 6020	JCP
mead	**3z4**	9.9	mg/Kg	20.00	319316	08/02/23	EPA 3050B	EPA 6020	JCP
b exc1x0	**. 6y**	0.32	mg/Kg	2.000	319343	08/02/23	METHOD	EPA 7471A	KAM
b 7l0pde- 1L	**C6N**	0.99	mg/Kg	1.000	319316	08/01/23	EPA 3050B	EPA 6020	JCP
k ic5el	**AA**	0.99	mg/Kg	1.000	319316	08/01/23	EPA 3050B	EPA 6020	JCP
Selenium	ND	2.0	mg/Kg	1.000	319316	08/01/23	EPA 3050B	EPA 6020	JCP
Silver	ND	0.50	mg/Kg	1.000	319316	08/01/23	EPA 3050B	EPA 6020	JCP
Thallium	ND	0.99	mg/Kg	1.000	319316	08/01/23	EPA 3050B	EPA 6020	JCP
Va- adi1L	**y.**	2.0	mg/Kg	1.000	319316	08/01/23	EPA 3050B	EPA 6020	JCP
Zi- c	**344**	99	mg/Kg	20.00	319316	08/02/23	EPA 3050B	EPA 6020	JCP

Legend

k D: Not Detected

Rm: Reporting Limit

ENTHALPY ANALYTICAL

. alif6bPia TiRe oo s ePalt

map h: ar sr 5 **LbBjexRh:** 18r s.55s5e555

. liePR: Rcuxid ooc/2Sn7o **m6xaR6P:** dB&liFcuA3lm

Field ID: MW-10-15.5 **Mat it :** Soil7/72673 **r exeiSed:** 5849a49s

map ID: ar sr 5-55a **DilP Fax:** 1.555 **LbeBabed:** 5a45149s

s aRic: ec2v **vaA Bled:** 5849849s **nPalyzed:** 5a45149s

48929-0-8 nPalyRe	r et 1lR	r m	uPiR	MaRxUh	LbeB	nPalyt it	nPalyt R
dAn2t cAm	y N	5.r 0	t D4gD	s1r s10	KEdis5P5B	KEdi0595	JCE
nbt ePix	**#7#**	5.r 0	t D4gD	s1r s10	KEdis5P5B	KEdi0595	JCE
Mabi1A	**88**	5.r 0	t D4gD	s1r s10	KEdis5P5B	KEdi0595	JCE
B7lmw2ut	y N	5.r 0	t D4gD	s1r s10	KEdis5P5B	KEdi0595	JCE
CS3t 2ut	y N	5. a	t D4gD	s1r s10	KEdis5P5B	KEdi0595	JCE
. Ub6A i1A	**Co**	5.r 0	t D4gD	s1r s10	KEdis5P5B	KEdi0595	JCE
. 6palR	**3N**	5.r 0	t D4gD	s1r s10	KEdis5P5B	KEdi0595	JCE
. 6BBeb	**4-**	5.r 0	t D4gD	s1r s10	KEdis5P5B	KEdi0595	JCE
mead	**34**	5. a	t D4gD	s1r s10	KEdis5P5B	KEdi0595	JCE
M7l/ulm	y N	5.10	t D4gD	s1r s s	MKTHON	KEdi8 81d	gdM
Mcvmb37Aut	y N	5.r 0	t D4gD	s1r s10	KEdis5P5B	KEdi0595	JCE
k ix5el	**2#**	5.r 0	t D4gD	s1r s10	KEdis5P5B	KEdi0595	JCE
e7v7A2ut	y N	1.r	t D4gD	s1r s10	KEdis5P5B	KEdi0595	JCE
e2367l	y N	5. a	t D4gD	s1r s10	KEdis5P5B	KEdi0595	JCE
ThSw2ut	y N	5.r 0	t D4gD	s1r s10	KEdis5P5B	KEdi0595	JCE
VaPadi1A	**9-**	1.r	t D4gD	s1r s10	KEdis5P5B	KEdi0595	JCE
ZiPx	**9o**	.a	t D4gD	s1r s10	KEdis5P5B	KEdi0595	JCE

L7D7A3

k D: y criN7n7/n73

r m: R7pcln2ADL2 2n

ENTHALPY ANALYTICAL

6aliZCrSia f itle TT Metals

Lab U: 43989S
ArCjemtU: 1/98.SS8So SSS
6lieSt: Ri ux Assi clates
LCmatiCS: AB&I Fi undry

FieId ID: MW-10-15.S
Matrix: oil7
DilS Fam 1.SSS
pemeiPed: S/263268
Lab ID: 43989S-SS9
Basis: as received
Rac vled: S/26/268
Arevared: S32S1268

nyz4z8988z 2Sal-te	pes0lt	pL	1Sits	BatmuU	2Sal-hed	Arev	2Sal-sis	2Sal-st
Antlmi ny	ND	S.9/	mg2Kg	819810	S32S1268	EPA 8S5SB	EPA 0S6S	JCP
2rseSim	**#74**	S.9/	mg2Kg	819810	S32S1268	EPA 8S5SB	EPA 0S6S	JCP
Bari0c	**.48**	S.9/	mg2Kg	819810	S32S1268	EPA 8S5SB	EPA 0S6S	JCP
Bery7lum	ND	S.9/	mg2Kg	819810	S32S1268	EPA 8S5SB	EPA 0S6S	JCP
Cadmlum	ND	S.49	mg2Kg	819810	S32S1268	EPA 8S5SB	EPA 0S6S	JCP
6urCc i0c	**4#**	S.9/	mg2Kg	819810	S32S1268	EPA 8S5SB	EPA 0S6S	JCP
6Cbalt	**z74**	S.9/	mg2Kg	819810	S32S1268	EPA 8S5SB	EPA 0S6S	JCP
6Cvver	**.y**	S.9/	mg2Kg	819810	S32S1268	EPA 8S5SB	EPA 0S6S	JCP
Lead	**#7o**	S.49	mg2Kg	819810	S32S1268	EPA 8S5SB	EPA 0S6S	JCP
Mercury	ND	S.15	mg2Kg	819848	S32S62S8	METHOD	EPA / 4/ 1A	KAM
Mi 7ybdenum	ND	S.9/	mg2Kg	819810	S32S1268	EPA 8S5SB	EPA 0S6S	JCP
3imNel	**nk**	S.9/	mg2Kg	819810	S32S1268	EPA 8S5SB	EPA 0S6S	JCP
oe7enlum	ND	1.9	mg2Kg	819810	S32S1268	EPA 8S5SB	EPA 0S6S	JCP
ol7ver	ND	S.49	mg2Kg	819810	S32S1268	EPA 8S5SB	EPA 0S6S	JCP
Tha7lum	ND	S.9/	mg2Kg	819810	S32S1268	EPA 8S5SB	EPA 0S6S	JCP
5aSadi0c	**48**	1.9	mg2Kg	819810	S32S1268	EPA 8S5SB	EPA 0S6S	JCP
ViSm	**n8**	4.9	mg2Kg	819810	S32S1268	EPA 8S5SB	EPA 0S6S	JCP

Legend
3D: Ni t Detected
pL: Repi rtlng LImIt

ENTHALPY ANALYTICAL

CalifoRvia Tisle ZZ BesalM

Par h: 86434S
mRojeLsh: 1043.SS3So SSS
Clievs: Ri uxsAaai el9tr a
PoLasiov: AB&lsFi unv y

Field ID: MW-10-5.S
BasRc: oi l7
Dilv FaL: 1.SSS
beLeined: S0/26/23
Par ID: 86434S-S1S
paMM: 9asr erlcr v
t ax Sled: S0/2d/23
mReSaRed: S6/S1/23

Ayz4z89828 - val0se	beM5ls	bP	uvisM	pasLUh	- val0#ed	mReS	- val0MM	- val0Ms
Antlmi ny	ND	S.46	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
- RMeviL	**.13**	S.46	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
paR5x	**2A8**	S.46	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
Br y7lum	ND	S.46	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
C9vmlum	ND	S.84	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
CURox i5x	**3y**	S.46	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
Cor als	**22**	S.46	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
CoSSeR	**4.**	S.46	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
Pead	**24**	S.84	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
Mr eu y	ND	S.1d	mg/Kg	314383	S6/S2/23	METHOD	EPAs0801A	KAM
Mi 7ybvr num	ND	S.46	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
NiLkel	**3A**	S.46	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
or 7rnlum	ND	2.S	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
olZcr	ND	S.84	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
Th97lum	ND	S.46	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
Vavadi5x	**3A**	2.S	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
7ivL	**yZ**	8.4	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP

Lrgrnv

ND: Ni tsDrtretrv

bP: Rrpi tIngsLImIt

ENTHALPY ANALYTICAL

3alifCRvia Tisle kk BesalM

Par h: 328685 **mRCjeLsh:** 1086.5565S555

3lievs: Rouxad99ori4n 9 **PCLasiCv:** dB&laFouAcsm

Field ID: MW-10-15.5 **BasRc:** Soil **Dilv FaL:** 1.555 **beLeined:** 507/27/6

Par ID: 328685-511 **paMM:** 49æs r ie c **t ax Sled:** 507/v7/6 **mReSaRed:** 527517/6

Ayz4z89822 - val0se	beMIls	bP	uvisM	pasLUh	- val0#ed	mReS	- val0MM	- val0Ms
dAnit oAm	y N	5.8v	t DZgD	61861v	527517/6	KEda65P5B	KEda/5/5	JCE
- RMeviL	**6.z**	5.8v	t DZgD	61861v	527517/6	KEda65P5B	KEda/5/5	JCE
paR1x	**A88**	5.8v	t DZgD	61861v	527517/6	KEda65P5B	KEda/5/5	JCE
B smlliut	y N	5.8v	t DZgD	61861v	527517/6	KEda65P5B	KEda/5/5	JCE
C4ct iut	y N	5.32	t DZgD	61861v	527517/6	KEda65P5B	KEda/5/5	JCE
3URCx i1x	**6A**	5.8v	t DZgD	61861v	527517/6	KEda65P5B	KEda/5/5	JCE
3Cr als	**22**	5.8v	t DZgD	61861v	527517/6	KEda65P5B	KEda/5/5	JCE
3CSSeR	**4A**	5.8v	t DZgD	61861v	527517/6	KEda65P5B	KEda/5/5	JCE
Pead	**y.A**	5.32	t DZgD	61861v	527517/6	KEda65P5B	KEda/5/5	JCE
M srusm	y N	5.1v	t DZgD	618636	527/7/6	MKTHON	KEda0301d	gdM
MolmtocAut	y N	5.8v	t DZgD	61861v	527517/6	KEda65P5B	KEda/5/5	JCE
oiL5el	**Nk**	5.8v	t DZgD	61861v	527517/6	KEda65P5B	KEda/5/5	JCE
S l Aiut	y N	1.8	t DZgD	61861v	527517/6	KEda65P5B	KEda/5/5	JCE
Sile s	y N	5.32	t DZgD	61861v	527517/6	KEda65P5B	KEda/5/5	JCE
Th4lliut	y N	5.8v	t DZgD	61861v	527517/6	KEda65P5B	KEda/5/5	JCE
Vavadi1x	**6A**	1.8	t DZgD	61861v	527517/6	KEda65P5B	KEda/5/5	JCE
ZivL	**62**	3.2	t DZgD	61861v	527517/6	KEda65P5B	KEda/5/5	JCE

L D Ac

oD: yonaN nrnc

bP: R posniADaLit in

ENTHALPY ANALYTICAL

CaliforSia Title - - Metals

Lab #: 86434S **Arojem t#:** 1043.SS3So SSS

ClieSt: Ri uxsAaai el9tr a **LomatioS:** AB&lsFi unv y

FieId ID: MW-10-15.S **Matrix:** oi l7 **DilS Fam** 1.SSS **pemeiPed:** S0/26/23

Lab ID: 86434S-S12 **Basis:** 9asr erlcr v **Rac vled:** S0/2d/23 **Arevared:** S6/S1/23

nyz4z89 82- 0Sal1te	pesult	pL	USits	Batmh#	0Sal17ed	Arev	0Sal1sis	0Sal1st
Antlmi ny	ND	S.4d	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
0rseSim	**. 6y**	S.4d	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
Bariuc	**- 88**	S.4d	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
Br y7lum	ND	S.4d	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
C9vmlum	ND	S.86	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
Chroc iuc	**34**	S.4d	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
Cobalt	**22**	S.4d	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
Covver	**4n**	S.4d	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
Lead	**36N**	S.86	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
Mr eu y	ND	S.18	mg/Kg	314383	S6/S2/23	METHOD	EPAs0801A	KAM
Mi 7ybvr num	ND	S.4d	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
k im5el	**. 4**	S.4d	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
or 7rnlum	ND	1.4	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
olZcr	ND	S.86	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
Th97lum	ND	S.4d	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
VaSadiuc	**. z**	1.4	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP
ZiSm	**38**	8.6	mg/Kg	31431d	S6/S1/23	EPAs3S5SB	EPAsdS2S	JCP

Lrgrnv

kD: NitsDrtretrv

pL: Rrpi tlngsLlmlt

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 489390 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: BLANK **Batch#:** 319230 **Analysis:** EPA 7471A

Lab ID: QC1083253 **Prepared:** 07/31/23 **Analyst:** KAM

Matrix: Soil **Analyzed:** 07/31/23

DilIn Fac: 1.000 **Prep:** METHOD

QC1083253 Analyte	Result	RL	Units
Mercury	ND	0.14	mg/Kg

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 489390 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: LCS **Batch#:** 319230 **Analysis:** EPA 7471A

Lab ID: QC1083254 **Prepared:** 07/31/23 **Analyst:** KAM

Matrix: Soil **Analyzed:** 07/31/23

DilIn Fac: 1.000 **Prep:** METHOD

QC1083254 Analyte	Spiked	Result	%REC	Limits	Units
Mercury	0.8333	0.7581	91	80-120	mg/Kg

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 489390 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	ZZZZZZZZZZ	**Basis:**	as received	**Prepared:**	07/31/23
Type:	MS	**Diln Fac:**	1.000	**Analyzed:**	07/31/23
MSS Lab ID:	489319-001	**Batch#:**	319230	**Prep:**	METHOD
Lab ID:	QC1083255	**Sampled:**	07/27/23	**Analysis:**	EPA 7471A
Matrix:	Miscell.	**Received:**	07/27/23	**Analyst:**	KAM

QC1083255 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
Mercury	<0.005763	0.9615	0.9758	101	75-125	mg/Kg

Field ID:	ZZZZZZZZZZ	**Basis:**	as received	**Prepared:**	07/31/23
Type:	MSD	**Diln Fac:**	1.000	**Analyzed:**	07/31/23
MSS Lab ID:	489319-001	**Batch#:**	319230	**Prep:**	METHOD
Lab ID:	QC1083256	**Sampled:**	07/27/23	**Analysis:**	EPA 7471A
Matrix:	Miscell.	**Received:**	07/27/23	**Analyst:**	KAM

QC1083256 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Mercury	0.9091	0.8904	98	75-125	mg/Kg	4	20

Legend

RPD: Relative Percent Difference

California Title 22 Metals: Batch QC

Lab #: 489392 **Project#:** 1793.2232S222

Client: Roux6Associates **Location:** AB&I6Foundry

Type: BLANK **Batch#:** 319E31 **Analysis:** P A602E2

Lab ID: QC1283E57 **Prepared:** 27/31/E3 **Analyst:** JC

Matrix: Soil **Analyzed:** 27/31/E3

DiIn Fac: 1.222 **Prep:** P A63252B

QC1083257 Analyte	Result	RL	Units
Antimony	ND	1.2	mg/Kg
Arsenic	ND	1.2	mg/Kg
Barium	ND	1.2	mg/Kg
Beryllium	ND	1.2	mg/Kg
Cadmium	ND	2.52	mg/Kg
Chromium	ND	1.2	mg/Kg
Cobalt	ND	1.2	mg/Kg
Copper	ND	1.2	mg/Kg
Lead	ND	2.52	mg/Kg
Molybdenum	ND	1.2	mg/Kg
Nickel	ND	1.2	mg/Kg
Selenium	ND	E.2	mg/Kg
Silver	ND	2.52	mg/Kg
Thallium	ND	1.2	mg/Kg
Vanadium	ND	E.2	mg/Kg
Zinc	ND	5.2	mg/Kg

Legend

ND: Not6Detected

RL: Reporting6Limit

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: u89392 **Project#:** 1/ 935 2232S222

Client: Ri ax6 r ri elctsr **Location:** B&l6Fi andKy

Type: LCS **Batch#:** 319E31 **Analysis:** PA 602E2

Lab ID: QC1283E78 **Prepared:** 2/ J31JE3 **Analyst:** oCA

Matrix: Si l. **Analyzed:** 2/ J31JE3

DiIn Fac: 15222 **Prep:** PA 63272B

QC1083258 Analyte	Spiked	Result	%REC	Limits	Units
ntlmi ny	12252	925 2	91	8241E2	m- Jg-
Ksnle	12252	915 09	9E	8241E2	m- Jg-
BcKlam	12252	935 92	9u	8241E2	m- Jg-
BsKy..lam	12252	915 20	91	8241E2	m- Jg-
Ccdmlam	12252	975 09	90	8241E2	m- Jg-
ChK mlam	12252	975 19	97	8241E2	m- Jg-
Ci bc.t	12252	995E/	99	8241E2	m- Jg-
Ci ppsK	12252	9/ 521	9/	8241E2	m- Jg-
Lscd	12252	935 2u	93	8241E2	m- Jg-
Mi .ybdsnam	12252	895 0E	92	8241E2	m- Jg-
Nleks.	12252	985 79	99	8241E2	m- Jg-
Ss.snlam	12252	935 EE	93	8241E2	m- Jg-
Sl.vsK	72522	u/ 5 8	90	8241E2	m- Jg-
Thc..lam	12252	925 37	92	8241E2	m- Jg-
Vcncdlam	12252	9E5 30	93	8241E2	m- Jg-
Zlne	12252	905 97	9/	8241E2	m- Jg-

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 09E8Ea **Project#:** 1/ E8.aa8aSaaa

Client: RJuxrB Ji vstc **Location:** B4&IrFJun7ey

Field ID:	MW-10-5.a	**Basis:**	s reci cvdc7	**Prepared:**	a/ 2812 38
Type:	MS	**Diln Fac:**	1.aaa	**Analyzed:**	a/ 2812 38
MSS Lab ID:	09E8Ea-aa1	**Batch#:**	81E381	**Prep:**	PABr8a5a4
Lab ID:	6 Q1a9835E	**Sampled:**	a/ 2392 38	**Analysis:**	PABrCa3a
Matrix:	SJvo	**Received:**	a/ 2392 38	**Analyst:**	I QA

QC1083259 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
BntvmJny	a.18C3	E/ .aE	3/ .51	39r*	/ 5-135	mg2Kg
Be cnvi	3.808	E/ .aE	/ 9.3/	/ 9	/ 5-135	mg2Kg
4sexum	3C8.9	E/ .aE	88E.3	/ 9	/ 5-135	mg2Kg
4ceyoxum	a.CCa3	E/ .aE	98.11	95	/ 5-135	mg2Kg
Qs7mvum	<a.199C	E/ .aE	9a.C3	98	/ 5-135	mg2Kg
QheJmvum	50.E9	E/ .aE	183.C	9a	/ 5-135	mg2Kg
QJbsdi	/ .539	E/ .aE	91.E8	/ /	/ 5-135	mg2Kg
QJppce	39.83	E/ .aE	1a1.3	/ 5	/ 5-135	mg2Kg
Lcs7	C.E98	E/ .aE	98.0E	/ E	/ 5-135	mg2Kg
MJoyb7cnum	<a.33/ E	E/ .aE	C3.58	C0r*	/ 5-135	mg2Kg
Nvi kco	08.99	E/ .aE	119.9	/ /	/ 5-135	mg2Kg
Scocnvum	<a.E3aa	E/ .aE	/ E.E0	93	/ 5-135	mg2Kg
Svodce	<a.1/ a/	09.50	0a.3/	98	/ 5-135	mg2Kg
Thsoxum	<a.18EE	E/ .aE	/ 5.5E	/ 9	/ 5-135	mg2Kg
Vsns7vum	08.0/	E/ .aE	133.E	93	/ 5-135	mg2Kg
Zvni	5/ .E9	E/ .aE	10a.3	95	/ 5-135	mg2Kg

Field ID:	MW-10-5.a	**Basis:**	s reci cvdc7	**Prepared:**	a/ 2812 38
Type:	MSD	**Diln Fac:**	1.aaa	**Analyzed:**	a/ 2812 38
MSS Lab ID:	09E8Ea-aa1	**Batch#:**	81E381	**Prep:**	PABr8a5a4
Lab ID:	6 Q1a983Ca	**Sampled:**	a/ 2392 38	**Analysis:**	PABrCa3a
Matrix:	SJvo	**Received:**	a/ 2392 38	**Analyst:**	I QA

QC1083260 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
BntvmJny	EC.15	30.58	35r*	/ 5-135	mg2Kg	1a	3a
Be cnvi	EC.15	/ C.aE	/ /	/ 5-135	mg2Kg	3	3a
4sexum	EC.15	808.8	98	/ 5-135	mg2Kg	1	3a
4ceyoxum	EC.15	/ 9.58	91	/ 5-135	mg2Kg	5	3a
Qs7mvum	EC.15	/ 0.C1	/ 9	/ 5-135	mg2Kg	/	3a
QheJmvum	EC.15	181./	9a	/ 5-135	mg2Kg	a	3a
QJbsdi	EC.15	91./ 1	/ /	/ 5-135	mg2Kg	1	3a
QJppce	EC.15	EE.50	/ 0r*	/ 5-135	mg2Kg	1	3a
Lcs7	EC.15	/ 5.91	/ 3r*	/ 5-135	mg2Kg	E	3a
MJoyb7cnum	EC.15	Ca.3/	C8r*	/ 5-135	mg2Kg	8	3a
Nvi kco	EC.15	11C.9	/ C	/ 5-135	mg2Kg	1	3a
Scocnvum	EC.15	/ 5.19	/ 9	/ 5-135	mg2Kg	5	3a
Svodce	09.a9	8/ .1a	/ /	/ 5-135	mg2Kg	/	3a
Thsoxum	EC.15	CE.03	/ 3r*	/ 5-135	mg2Kg	9	3a
Vsns7vum	EC.15	138.1	98	/ 5-135	mg2Kg	1	3a
Zvni	EC.15	189.0	90	/ 5-135	mg2Kg	1	3a

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 09E8Ea **Project#:** 1/ E8.aa8aSaaa

Client: RJuxrB Ji vstc **Location:** B4&IrFJun7ey

Lcgcn7

*: Vsauicrv rJut v7cr6 Qromvt

RPD: RcostvdcrAcei cntrDvtfcecni c

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 08737a **Project#:** 1P73.aa3apaaa

Client: Rtuxr2 tivsDc **Location:** 24&IrFtunEey

Field ID:	MW-10-5.a	**Basis:**	s recicvdcE	**Analyzed:**	aPA81AB3
Type:	ot DgvScDpkv9c	**Diln Fac:**	1.aaa	**Prep:**	6o2r3a5a4
MSS Lab ID:	08737a-aa1	**Batch#:**	317B31	**Analysis:**	6o2r/aBa
Lab ID:	JC1a83B/1	**Sampled:**	aPAB8AB3	**Analyst:**	QCo
Matrix:	ptv	**Received:**	aPAB8AB3		

QC1083261 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
2nDmtny	a.13/B	77.a1	78./0	77	P5-1B5	mSAKS
2ecnvi	B.303	77.a1	1a1.3	1aa	P5-1B5	mSAKS
4sexum	B/3.8	77.a1	3/B.0	1aa	P5-1B5	mSAKS
4ceyllvum	a.//aB	77.a1	73.08	70	P5-1B5	mSAKS
CsEmvum	<a.188/	77.a1	77.7/	1a1	P5-1B5	mSAKS
Chetmvum	50.78	77.a1	107.a	75	P5-1B5	mSAKS
CtbsID	P.5B8	77.a1	1a0.5	78	P5-1B5	mSAKS
Ctkkce	B8.3B	77.a1	1B3./	7/	P5-1B5	mSAKS
LcsE	/.783	77.a1	1a/.a	1aa	P5-1B5	mSAKS
MtlybEcnum	<a.BBP7	77.a1	71.a8	7B	P5-1B5	mSAKS
Nvi9cl	03.88	77.a1	137.7	7P	P5-1B5	mSAKS
pclcnvum	<a.7Baa	77.a1	1aB.8	1a0	P5-1B5	mSAKS
pvldce	<a.1PaP	07.5a	08.55	78	P5-1B5	mSAKS
ThsIlvum	<a.1377	77.a1	1a1.0	1aB	P5-1B5	mSAKS
VsnsEvum	03.0P	77.a1	13/.0	70	P5-1B5	mSAKS
Zvni	5P.78	77.a1	1/a.P	1a0	P5-1B5	mSAKS

California Title 22 Metals: Batch QC

Lab #: E29398		**Project#:** 1Q93.8838S888	
Client: Roux7Associates		**Location:** AB&I7Foundry	
Type: BLANK	**Batch#:** 3194E4	**Analysis:** P A7QEQ1A	
Lab ID: C0 1823492	**Prepared:** 8Q/31/43	**Analyst:** KAM	
Matrix: Soil	**Analyzed:** 8Q/31/43		
DiIn Fac: 1.888	**Prep:** MPTHOD		

QC1083298 Analyte	Result	RL	Units
Mercury	ND	8.1E	mg/Kg

Legend

ND: Not7Detected

RL: Reporting7Limit

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 489390 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: LCS **Batch#:** 319242 **Analysis:** EPA 7471A

Lab ID: QC1083299 **Prepared:** 07/31/23 **Analyst:** KAM

Matrix: Soil **Analyzed:** 07/31/23

DilIn Fac: 1.000 **Prep:** METHOD

QC1083299 Analyte	Spiked	Result	%REC	Limits	Units
Mercury	0.8333	0.8494	102	80-120	mg/Kg

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 489390 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	ZZZZZZZZZZ	**Basis:**	as received	**Prepared:**	07/31/23
Type:	MS	**Diln Fac:**	1.000	**Analyzed:**	07/31/23
MSS Lab ID:	489304-013	**Batch#:**	319242	**Prep:**	METHOD
Lab ID:	QC1083300	**Sampled:**	07/27/23	**Analysis:**	EPA 7471A
Matrix:	Soil	**Received:**	07/27/23	**Analyst:**	KAM

QC1083300 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
Mercury	0.03744	0.8772	0.8956	98	75-125	mg/Kg

Field ID:	ZZZZZZZZZZ	**Basis:**	as received	**Prepared:**	07/31/23
Type:	MSD	**Diln Fac:**	1.000	**Analyzed:**	07/31/23
MSS Lab ID:	489304-013	**Batch#:**	319242	**Prep:**	METHOD
Lab ID:	QC1083301	**Sampled:**	07/27/23	**Analysis:**	EPA 7471A
Matrix:	Soil	**Received:**	07/27/23	**Analyst:**	KAM

QC1083301 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Mercury	0.8621	0.9066	101	75-125	mg/Kg	3	20

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

California Title 55 Metals: Batch QC

Lab #: R89390 **Project#:** 1493l0030J 000

Client: Z Sax6Ar r Seocrnsr **Location:** AB&l6F Sa. ugm

Type: BLANK **Batch#:** 31931E **Analysis:** P A6E020

Lab ID: QC1083512 **Prepared:** 08701723 **Analyst:** / C

Matrix: J Soi **Analyzed:** 08701723

DiIn Fac: 1l000 **Prep:** P A63050B

QC1083215 Analyte	Result	RL	Units
A. rdi S. m	Ny	1l0	t D7KD
Agr s. oe	Ny	1l0	t D7KD
Bcgoat	Ny	1l0	t D7KD
Bsgmiioat	Ny	1l0	t D7KD
Ccut oat	Ny	0l50	t D7KD
CdgSt oat	Ny	1l0	t D7KD
CShcin	Ny	1l0	t D7KD
CSbbsg	Ny	1l0	t D7KD
Lscu	Ny	0l50	t D7KD
p Simhus. at	Ny	1l0	t D7KD
NoeMsi	Ny	1l0	t D7KD
Jsis. oat	Ny	2l0	t D7KD
Joiksg	Ny	0l50	t D7KD
vdciioat	Ny	1l0	t D7KD
Tc. cuoat	Ny	2l0	t D7KD
Vo e	Ny	5l0	t D7KD

LsDs. u

ND: NSr6y srnsersu

RL: ZsbSgro D6Lo on

ENTHALPY ANALYTICAL

CaliU rnia Title oo Metals: Batch QC

Lab #: u89390 **Prf ject#:** 1e93.0030S000

Client: Roax6 KKosicn K **Lf catif n:** 5&l6FoaBdgn

Type: LCS **Batch#:** 31931E **Analysis:** PA 6E020

Lab ID: QC1083713 **Prepared:** 08/01/23 **Analyst:** JCA

Matrix: Soil **Analyzed:** 08/01/23

DiIn Fac: 1.000 **Prep:** PA 630705

QC1083213 Analyte	5piSed	k esRlt	u k %C	LiE its	mnits
Brit oBm	100.0	90.30	90	80y120	t 4/- 4
gKr Bis	100.0	9e.e0	98	80y120	t 4/- 4
5cgat	100.0	97.1u	97	80y120	t 4/- 4
5r gmlliat	100.0	9e.uE	9e	80y120	t 4/- 4
Ccdt iat	100.0	9e.30	9e	80y120	t 4/- 4
Chgpt iat	100.0	101.7	101	80y120	t 4/- 4
Cobcln	100.0	108.0	108	80y120	t 4/- 4
Copprg	100.0	10e.7	10e	80y120	t 4/- 4
Lr cd	100.0	98.ee	99	80y120	t 4/- 4
Molmbdr Bat	100.0	9E.38	9E	80y120	t 4/- 4
Niskr l	100.0	10E.0	10E	80y120	t 4/- 4
Sr lr Biat	100.0	97.89	9E	80y120	t 4/- 4
Silvr g	70.00	ue.e9	9E	80y120	t 4/- 4
Thcllliat	100.0	97.9e	9E	80y120	t 4/- 4
VcBcdiat	100.0	99.E3	100	80y120	t 4/- 4
ZiBs	100.0	10E.2	10E	80y120	t 4/- 4

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: ABE3Ea **Project#:** 14E3.aa3a9aaa

Client: Rouxr8 oi vstc **Location:** 8S&IrFoun7ey

Field ID: MW-10-5.a **Basis:** s reci cvdc7 **Prep:** / 28r3a5aS

Type: M9 **Batch#:** 31E310 **Analysis:** / 28r0aPa

MSS Lab ID: ABE3Ea-aa4 **Sampled:** a46P46P3 **Analyst:** QC2

Lab ID: J C1aB351A **Received:** a46PB6P3

Matrix: 9ovl **Prepared:** aB6a16P3

QC1083514 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units	Diln Fac	Analyzed		Qual
8ntvmony	P.B0A	E5.PA	33.a3	3Pr*	45-1P5	mg6Kg	1.aaa	aB6a16P3	r	
8e cnvi	1P.5P	E5.PA	EE.44	EP	45-1P5	mg6Kg	1.aaa	aB6a16P3	r	
Sseum	Pa3.P	E5.PA	PB5.4	B4	45-1P5	mg6Kg	Pa.aa	aB6aP6P3	r	
Sceyllvum	a.3514	E5.PA	EA.0A	EE	45-1P5	mg6Kg	1.aaa	aB6a16P3	r	
Cs7mvum	P.5BB	E5.PA	E5.1A	E4	45-1P5	mg6Kg	1.aaa	aB6a16P3	r	
C<eomvum	4E.53	E5.PA	1AB.a	4Pr*	45-1P5	mg6Kg	1.aaa	aB6a16P3	r	
Cohslt	10.EB	E5.PA	1a0.0	EA	45-1P5	mg6Kg	1.aaa	aB6a16P3	r	
Cobbce	1PA.a	E5.PA	PA5.A	1P4r*	45-1P5	mg6Kg	Pa.aa	aB6aP6P3	r	
pcs7	0P0.1	E5.PA	3B0.E	-P51	45-1P5	mg6Kg	Pa.aa	aB6aP6P3		L M
Molyh7cnum	1.5aA	E5.PA	4B.0P	B1	45-1P5	mg6Kg	1.aaa	aB6a16P3	r	
L vi Ncl	A3.0E	E5.PA	10P.1	1PA	45-1P5	mg6Kg	1.aaa	aB6a16P3	r	
9clcnvum	ka.E050	E5.PA	Ea.00	E5	45-1P5	mg6Kg	1.aaa	aB6a16P3	r	
9vldce	a.P14P	A4.0P	AA.E1	EA	45-1P5	mg6Kg	1.aaa	aB6a16P3	r	
T<sllvum	ka.A0AB	E5.PA	B0.B4	E1	45-1P5	mg6Kg	1.aaa	aB6a16P3	r	
Vsns7vum	EP.a4	E5.PA	15a.0	0Pr*	45-1P5	mg6Kg	1.aaa	aB6a16P3	r	
Zvni	5E4.A	E5.PA	AAB.5	-150	45-1P5	mg6Kg	Pa.aa	aB6aP6P3		L M

Field ID: MW-10-5.a **Basis:** s reci cvdc7 **Prep:** / 28r3a5aS

Type: M9D **Batch#:** 31E310 **Analysis:** / 28r0aPa

MSS Lab ID: ABE3Ea-aa4 **Sampled:** a46P46P3 **Analyst:** QC2

Lab ID: J C1aB3515 **Received:** a46PB6P3

Matrix: 9ovl **Prepared:** aB6a16P3

QC1083515 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim	Diln Fac	Analyzed		Qual
8ntvmony	E5.PA	3a.04	PEr*	45-1P5	mg6Kg	4	Pa	1.aaa	aB6a16P3	r	
8e cnvi	E5.PA	1a5.0	EB	45-1P5	mg6Kg	0	Pa	1.aaa	aB6a16P3	r	
Sseum	E5.PA	551.0	300r*	45-1P5	mg6Kg	0Ar*	Pa	Pa.aa	aB6aP6P3	r	
Sceyllvum	E5.PA	EA.0A	EE	45-1P5	mg6Kg	a	Pa	1.aaa	aB6a16P3	r	
Cs7mvum	E5.PA	E4.03	1aa	45-1P5	mg6Kg	3	Pa	1.aaa	aB6a16P3	r	
C<eomvum	E5.PA	1EE.B	1P0r*	45-1P5	mg6Kg	3ar*	Pa	1.aaa	aB6a16P3	r	
Cohslt	E5.PA	1a5.A	E3	45-1P5	mg6Kg	1	Pa	1.aaa	aB6a16P3	r	
Cobbce	E5.PA	41E.P	0P5r*	45-1P5	mg6Kg	EBr*	Pa	Pa.aa	aB6aP6P3	r	
pcs7	E5.PA	441.4	153	45-1P5	mg6Kg	00r*	Pa	Pa.aa	aB6aP6P3		L M
Molyh7cnum	E5.PA	Ea.10	E3	45-1P5	mg6Kg	1A	Pa	1.aaa	aB6a16P3	r	
L vi Ncl	E5.PA	141.a	13Ar*	45-1P5	mg6Kg	5	Pa	1.aaa	aB6a16P3	r	
9clcnvum	E5.PA	Ea.34	E5	45-1P5	mg6Kg	a	Pa	1.aaa	aB6a16P3	r	
9vldce	A4.0P	A5.1A	EA	45-1P5	mg6Kg	1	Pa	1.aaa	aB6a16P3	r	
T<sllvum	E5.PA	BE.45	EA	45-1P5	mg6Kg	3	Pa	1.aaa	aB6a16P3	r	
Vsns7vum	E5.PA	134.1	A4r*	45-1P5	mg6Kg	E	Pa	1.aaa	aB6a16P3	r	
Zvni	E5.PA	E1B.a	334	45-1P5	mg6Kg	0Er*	Pa	Pa.aa	aB6aP6P3		L M

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #:	ABE3Ea	**Project#:**	14E3.aa3a9aaa
Client:	Rouxr8 oi vstc	**Location:**	8S&IrFoun7ey

pcgcn7

*: Vsllucrv rout vi7crJ Crlvmvt

NM: L otrMcsnvngful

RPD: Rclstvdcr2cei cntrDvlfcecni c

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 489390 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-16-5.0 **Matrix:** Soil **Received:** 07/28/23

Type: Post Digest Spike **Basis:** as received **Prep:** EPA 3050B

MSS Lab ID: 489390-007 **Batch#:** 319316 **Analysis:** EPA 6020

Lab ID: QC1083516 **Sampled:** 07/27/23 **Analyst:** JCP

QC1083516 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units	Diln Fac	Analyzed	Qual
Antimony	2.864	99.01	98.17	96	75-125	mg/Kg	1.000	08/01/23	
Arsenic	12.52	99.01	110.1	99	75-125	mg/Kg	1.000	08/01/23	
Barium	203.2	99.01	287.3	85	75-125	mg/Kg	20.00	08/02/23	
Beryllium	0.3517	99.01	97.92	99	75-125	mg/Kg	1.000	08/01/23	
Cadmium	2.588	99.01	100.6	99	75-125	mg/Kg	1.000	08/01/23	
Chromium	79.53	99.01	165.7	87	75-125	mg/Kg	1.000	08/01/23	
Cobalt	16.98	99.01	109.0	93	75-125	mg/Kg	1.000	08/01/23	
Copper	124.0	99.01	227.4	104	75-125	mg/Kg	20.00	08/02/23	
Lead	626.1	99.01	723.2	98	75-125	mg/Kg	20.00	08/02/23	NM
Molybdenum	1.504	99.01	93.72	93	75-125	mg/Kg	1.000	08/01/23	
Nickel	43.69	99.01	134.4	92	75-125	mg/Kg	1.000	08/01/23	
Selenium	<0.9656	99.01	94.53	95	75-125	mg/Kg	1.000	08/01/23	
Silver	0.2172	49.50	47.41	95	75-125	mg/Kg	1.000	08/01/23	
Thallium	<0.4648	99.01	95.28	96	75-125	mg/Kg	1.000	08/01/23	
Vanadium	92.07	99.01	180.9	90	75-125	mg/Kg	1.000	08/01/23	
Zinc	597.4	99.01	677.1	80	75-125	mg/Kg	20.00	08/02/23	NM

Legend

NM: Not Meaningful

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 20939Q		**Project#:** 193.003.05.001	
Client: Roux Associates		**Location:** AB&I Foundry	
Type: BLANK	**Batch#:** 319323	**Analysis:** 0EAP21A	
Lab ID: 741QC38CC	**Prepared:** 05/15/13	**Analyst:** KAM	
Matrix: Soil	**Analyzed:** 05/15/13		
Dil Fac: 1.000	**Prep:** METHOD		

QC1083288 Analyte	Result	RL	units
Mercury	ND	0.12	mg/Kg

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 489390 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Type: LCS **Batch#:** 319343 **Analysis:** EPA 7471A

Lab ID: QC1083289 **Prepared:** 085015/ 3 **Analyst:** KAM

Matrix: Soil **Analyzed:** 085015/ 3

DilnFac: 1.000 **Prep:** METHOD

QC1083589 Analyte	Spiked	Result	%REC	Limits	Units
Mercury	0.8333	0.7632	9/	80-1/ 0	mg/Kg

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 489390 **Project#:** 1793.0030S000

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	MW-16-5.0	**Basis:**	as received	**Prepared:**	08/01/23
Type:	MS	**Diln Fac:**	5.000	**Analyzed:**	08/02/23
MSS Lab ID:	489390-007	**Batch#:**	319343	**Prep:**	METHOD
Lab ID:	QC1083590	**Sampled:**	07/27/23	**Analysis:**	EPA 7471A
Matrix:	Soil	**Received:**	07/28/23	**Analyst:**	KAM

QC1083590 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
Mercury	2.872	0.9259	3.468	64 *	75-125	mg/Kg

Field ID:	MW-16-5.0	**Basis:**	as received	**Prepared:**	08/01/23
Type:	MSD	**Diln Fac:**	5.000	**Analyzed:**	08/02/23
MSS Lab ID:	489390-007	**Batch#:**	319343	**Prep:**	METHOD
Lab ID:	QC1083591	**Sampled:**	07/27/23	**Analysis:**	EPA 7471A
Matrix:	Soil	**Received:**	07/28/23	**Analyst:**	KAM

QC1083591 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Mercury	0.9259	7.138	461 *	75-125	mg/Kg	69 *	20

Legend

*: Value is outside QC limits

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

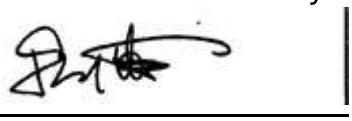
Lab Job Number: 489496
Report Level: II
Report Date: 08/10/2023

Analytical Report *prepared for:*

Harold Rush
Roux Associates
555 12th Street
Suite 250
Oakland, CA 94607

Project: 1793.0030S106 - AB&I Foundry

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Harold Rush
Roux Associates
555 12th Street
Suite 250
Oakland, CA 94607

Lab Job #:	489496
Project No:	1793.0030S106
Location:	AB&I Foundry
Date Received:	07/31/23

Sample ID	Lab ID	Collected	Matrix
MW-13-3.0	489496-001	07/31/23 08:55	Soil
MW-13-5.0	489496-002	07/31/23 09:06	Soil
MW-13-6.0	489496-003	07/31/23 09:15	Soil
MW-13-10.0	489496-004	07/31/23 09:15	Soil
MW-13-15.0	489496-005	07/31/23 09:28	Soil
MW-13-20.0	489496-006	07/31/23 11:48	Soil

ENTHALPY ANALYTICAL

Case Narrative

Roux Associates 555 12th Street Suite 250 Oakland, CA 94607 Marold Rush	waL boL J uNLerm4: 9496 8 roPect J om179j 30j 0S106 wocationmA. B&I oundrF y ate ReceiDedm07vj 1v2j

/ his data Tackape contains saNTle and g C results Qor six soil saNTles, ref uested Qor the aLoDe reQerenced TroPect on 0: v01v2j 3/ he saNTles qere receiDed cold and intact3

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
J o anaIFtical TroLIeNs qere encountered3

TPH-Extractables by GC (EPA 8015M):

- W- (1j (j 30 #aL) 4: 9496(001; qas diluted due to the dark color oQthe saNTle extract3
- J o other anaIFtical TroLIeNs qere encountered3

Volatile Organics by GC/MS (EPA 8260B):

- W- (1j (j 30 #aL) 4: 9496(001; qas diluted due to hiph hFdrocarLons3
- J o other anaIFtical TroLIeNs qere encountered3

Metals (EPA 6020 and EPA 7471A):

- woq recoDeries qere oLserDed Qor antiNonF in the WSvWSy oQW- (1j (j 30 #aL) 4: 9496(001;Hthe wCS qas qithin liNits, and the associated R8y qas qithin liNits3Miph recoDeries qere oLserDed Qor a nuNLer oQanaIFtesHthe wCS qas qithin liNits3Miph R8y qas oLserDed Qor chroNiuN and coTTer3
- J o other anaIFtical TroLIeNs qere encountered3

ENTHALPY ANALYTICAL

Detection Summary

Harold Rush
Roux Associates
555 12th Street
Suite 250
Oakland, CA 94607

Lab Job #: 489496
Project No: 1793.0030S106
Location: AB&I Foundry
Date Received: 07/31/23

Sample ID: MW-10-05 **Lab ID: 489492-. . 1** **Collected: . 7/01/60 . 8:33**
Matrix: Soil

489492-. . 1 Analyte	Result	Qual	Units	RL
Method: EPA 6020 Prep Method: EPA 3050B				
Antimony	05	8	mg/Kg	0.99
Arsenic	23		mg/Kg	0.99
Barium	4,2. .		mg/Kg	20
Cadmium	35	7	mg/Kg	0.50
Chromium	81		mg/Kg	0.99
Cobalt	25	7	mg/Kg	0.99
Copper	21		mg/Kg	0.99
Lead	6. .		mg/Kg	0.50
Nickel	63		mg/Kg	0.99
Selenium	02		mg/Kg	2.0
Vanadium	18		mg/Kg	2.0
Zinc	6. .		mg/Kg	5.0
Method: EPA 7471A Prep Method: METHOD				
Mercury	. 5	49	mg/Kg	0.15
Method: EPA 8015B Prep Method: EPA 5035				
TPH Gasoline	45	0	mg/Kg	2.1
Method: EPA 8015M Prep Method: EPA 3580M				
DRO C10-C28	0,4. .		mg/Kg	50
ORO C28-C44	1,0. .		mg/Kg	100

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: MW-10-35	Lab ID: 489492-. . 6	Collected: . 7/01/60 . 9:. 2
	Matrix: Soil	

489492-. . 6 Analyte	Result	Qual	Units	RL
Method: EPA 6020 Prep Method: EPA 3050B				
Arsenic	13		mg/Kg	0.97
Barium	1,6. .		mg/Kg	19
Cadmium	. 594		mg/Kg	0.49
Chromium	24		mg/Kg	0.97
Cobalt	952		mg/Kg	0.97
Copper	0.		mg/Kg	0.97
Lead	00		mg/Kg	0.49
Nickel	36		mg/Kg	0.97
Selenium	352		mg/Kg	1.9
Vanadium	47		mg/Kg	1.9
Zinc	81		mg/Kg	4.9
Method: EPA 8015B Prep Method: EPA 5035				
TPH Gasoline	653		mg/Kg	2.1
Method: EPA 8015M Prep Method: EPA 3580M				
DRO C10-C28	1,4. .		mg/Kg	50
ORO C28-C44	27.		mg/Kg	100
Method: EPA 8260B Prep Method: EPA 5035				
1,2,4-Trimethylbenzene	452		ug/Kg	3.5
Acetone	84		ug/Kg	71
Isopropylbenzene	450		ug/Kg	3.5
n-Butylbenzene	058		ug/Kg	3.5
Naphthalene	17		ug/Kg	3.5
Propylbenzene	850		ug/Kg	3.5

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: MW-10-25	Lab ID: 489492-. . 0	Collected: . 7/01/60 . 9:13
	Matrix: Soil	

489492-. . 0 Analyte	Result	Qual	Units	RL
Method: EPA 6020 Prep Method: EPA 3050B				
Arsenic	**25**		mg/Kg	0.97
Barium	**06.**		mg/Kg	0.97
Chromium	**23**		mg/Kg	0.97
Cobalt	**10**		mg/Kg	0.97
Copper	**06**		mg/Kg	0.97
Lead	**14**		mg/Kg	0.49
Nickel	**38**		mg/Kg	0.97
Vanadium	**27**		mg/Kg	1.9
Zinc	**22**		mg/Kg	4.9
Method: EPA 8015B Prep Method: EPA 5035				
TPH Gasoline	**13.**		mg/Kg	50
Method: EPA 8015M Prep Method: EPA 3580M				
DRO C10-C28	**0,6. .**		mg/Kg	100
ORO C28-C44	**1,. . .**		mg/Kg	200
Method: EPA 8260B Prep Method: EPA 5035				
Isopropylbenzene	**76.**		ug/Kg	670
n-Butylbenzene	**1,0. .**		ug/Kg	670
Naphthalene	**3,4. .**		ug/Kg	670
Propylbenzene	**1,9. .**		ug/Kg	670
sec-Butylbenzene	**94.**		ug/Kg	670

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: MW-10-1.5	Lab ID: 489492-..4	Collected: .7/01/60 .9:13
	Matrix: Soil	

489492-..4 Analyte	Result	Qual	Units	RL
Method: EPA 6020 Prep Method: EPA 3050B				
Arsenic	35		mg/Kg	0.96
Barium	61.		mg/Kg	0.96
Chromium	39		mg/Kg	0.96
Cobalt	11		mg/Kg	0.96
Copper	69		mg/Kg	0.96
Lead	75		mg/Kg	0.48
Nickel	43		mg/Kg	0.96
Vanadium	36		mg/Kg	1.9
Zinc	36		mg/Kg	4.8
Method: EPA 8015B Prep Method: EPA 5035				
TPH Gasoline	87		mg/Kg	44
Method: EPA 8015M Prep Method: EPA 3580M				
DRO C10-C28	1,9..		mg/Kg	50
ORO C28-C44	39.		mg/Kg	99
Method: EPA 8260B Prep Method: EPA 5035				
Isopropylbenzene	357		ug/Kg	3.2
n-Butylbenzene	73		ug/Kg	3.2
para-Isopropyl Toluene	054		ug/Kg	3.2
sec-Butylbenzene	39		ug/Kg	3.2
o-Xylene	054		ug/Kg	3.2

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: MW-10-135	Lab ID: 489492-. . 3	Collected: . 7/01/60 . 9:68
	Matrix: Soil	

489492-. . 3 Analyte	Result	Qual	Units	RL
Method: EPA 6020 Prep Method: EPA 3050B				
Arsenic	05	B	mg/Kg	0.97
Barium	6. .		mg/Kg	0.97
Chromium	30		mg/Kg	0.97
Cobalt	14		mg/Kg	0.97
Copper	64		mg/Kg	0.97
Lead	25	B	mg/Kg	0.49
Nickel	39		mg/Kg	0.97
Vanadium	08		mg/Kg	1.9
Zinc	38		mg/Kg	4.9
Method: EPA 8015B Prep Method: EPA 5035				
TPH Gasoline	28		mg/Kg	48
Method: EPA 8015M Prep Method: EPA 3580M				
DRO C10-C28	03.		mg/Kg	9.9
ORO C28-C44	11.		mg/Kg	20
Method: EPA 8260B Prep Method: EPA 5035				
n-Butylbenzene	45	B	ug/Kg	3.1
sec-Butylbenzene	11		ug/Kg	3.1

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: MW-10-6. 5	Lab ID: 489492-. . 2	Collected: . 7/01/60 11:48
	Matrix: Soil	

489492-. . 2 Analyte	Result	Qual	Units	RL
Method: EPA 6020 Prep Method: EPA 3050B				
Arsenic	15.9		mg/Kg	0.95
Barium	18.		mg/Kg	0.95
Cadmium	. 348		mg/Kg	0.48
Chromium	31		mg/Kg	0.95
Cobalt	16		mg/Kg	0.95
Copper	63		mg/Kg	0.95
Lead	35.0		mg/Kg	0.48
Nickel	34		mg/Kg	0.95
Vanadium	00		mg/Kg	1.9
Zinc	30		mg/Kg	4.8
Method: EPA 8015M Prep Method: EPA 3580M				
DRO C10-C28	00.		mg/Kg	9.9
ORO C28-C44	11.		mg/Kg	20

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY

Chain of Custody Record

Lab No: 484496

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Berkeley

2323 5th Street, Berkeley, CA 94710

Phone 510-486-0900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Roux Associates	Name:	AB 1 I
Report To:	Harold Rush/Rich Maxwell	Number:	1793.003051CV
Email:	HRush@rouxinc.com/RMaxwell@	P.O. #:	
Address:	555 12th Street	Address:	7825 San Leandro St
	Oakland, CA		Oakland, CA
Phone:	(415) 967-6000	Global ID:	
		Sampled By:	MGR, JA, JC

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs by USEPA 8260B	TPH-g, -d, -mo by 8015B or 8260B	CAM17 metals by 6020	Analysis Request	Test Instructions / Comments
1	MW-13-3.0	07/31/23	0855	S	5	6	X	X	X		
2	MW-13-5.0		0904								
3	MW-13-10.0		0915								
4	MW-13-10.0		0915								
5	MW-13-15.0		0928								
6	MW-13-20.0		1148								
7											
8											
9											
10											

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		MaryGrace Ritter	Roux / Staff Geologist I	07/31 / 1802
1 Received By:		Jacob Hahn	EA	7-31-23 / 1802
2 Relinquished By:		Amin Hart	EA	8-1-23 1057
2 Received By:		FEDEX	EA	8/2/23 0900
3 Relinquished By:				
3 Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 489496 Client: Rax

Date Received: 7/31/23 Project:

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☒ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☒ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☒ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 7/31/23 By (print) VEF for DH (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☐ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☒ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☐ Wet, ☐ Blue/Gel, ☒ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?	✓		
If YES, what time were they transferred to freezer? 1812 7/31/23			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 8-1-23 **By (print)** ABH for MAY **(sign)** _____

Date Labeled 8-1-23 **By (print)** ABH **(sign)** _____

ENTHALPY ANALYTICAL

489495

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Roux Associates Project: AB&I Foundry

Date Received: 08/02/23 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.3 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Southwest Airlines

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.1 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?	✔		
If custody seals are present, were they intact?	✔		
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

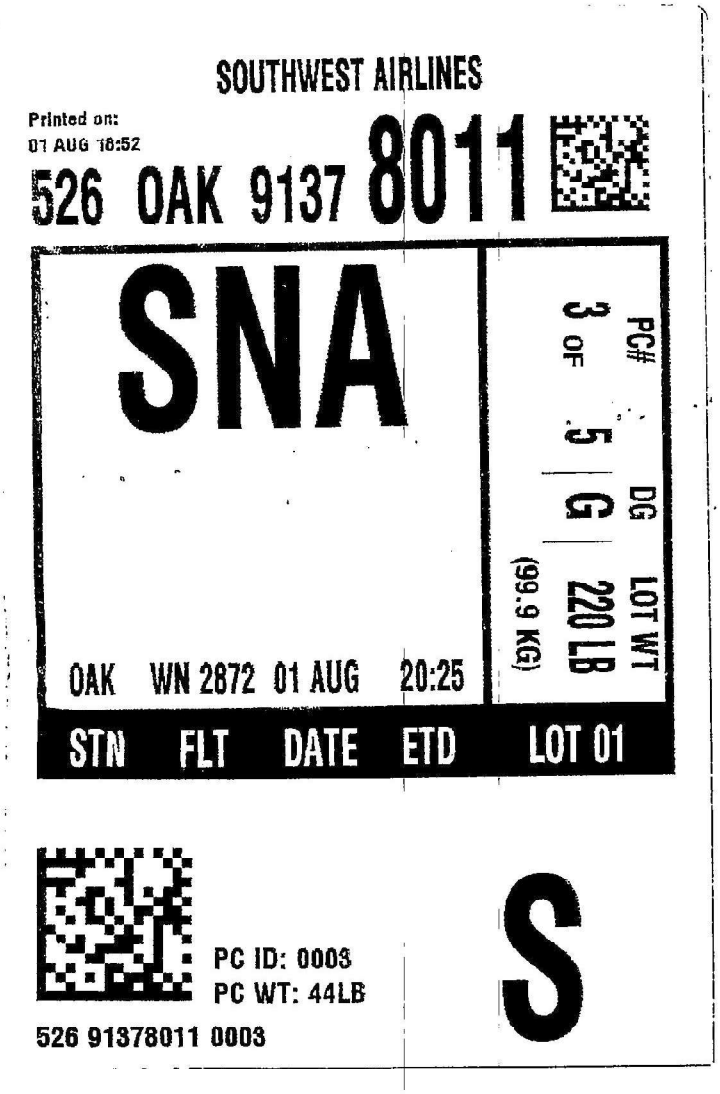
Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 8/2/23


SOUTHWEST AIRLINES
Printed on:
01 AUG 16:52
526 OAK 9137 8011
SNA
PC# 3 OF 5
DG G
LOT WT 220 LB (99.9 KG)
OAK WN 2872 01 AUG 20:25
STN FLT DATE ETD LOT 01
PC ID: 0003
PC WT: 44LB
526 91378011 0003
S

3.31.21

ENTHALPY ANALYTICAL

Gasoline by GC/FID (5035 Prep)

Lab #: 489496 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-13-3.0 **Diln Fac:** 0.7123 **Prep:** EPA 5035
Type: SAMPLE **Batch#:** 319749 **Analysis:** EPA 8015B
Lab ID: 489496-001 **Sampled:** 07/31/23 **Analyst:** SXR
Matrix: Soil **Received:** 07/31/23
Basis: as received **Analyzed:** 08/08/23

489496-001 Analyte	Result	RL	Units
TPH Gasoline	**4.3**	2.1	mg/Kg

489496-001 Surrogate	%REC	Limits
Bromofluorobenzene (FID)	82	60-140

Field ID: MW-13-5.0 **Diln Fac:** 0.7102 **Prep:** EPA 5035
Type: SAMPLE **Batch#:** 319749 **Analysis:** EPA 8015B
Lab ID: 489496-002 **Sampled:** 07/31/23 **Analyst:** SXR
Matrix: Soil **Received:** 07/31/23
Basis: as received **Analyzed:** 08/07/23

489496-002 Analyte	Result	RL	Units
TPH Gasoline	**2.5**	2.1	mg/Kg

489496-002 Surrogate	%REC	Limits
Bromofluorobenzene (FID)	136	60-140

Field ID: MW-13-6.0 **Diln Fac:** 16.73 **Prep:** EPA 5035
Type: SAMPLE **Batch#:** 319749 **Analysis:** EPA 8015B
Lab ID: 489496-003 **Sampled:** 07/31/23 **Analyst:** SXR
Matrix: Soil **Received:** 07/31/23
Basis: as received **Analyzed:** 08/07/23

489496-003 Analyte	Result	RL	Units
TPH Gasoline	**150**	50	mg/Kg

489496-003 Surrogate	%REC	Limits
Bromofluorobenzene (FID)	101	60-140

Field ID: MW-13-10.0 **Diln Fac:** 14.62 **Prep:** EPA 5035
Type: SAMPLE **Batch#:** 319749 **Analysis:** EPA 8015B
Lab ID: 489496-004 **Sampled:** 07/31/23 **Analyst:** SXR
Matrix: Soil **Received:** 07/31/23
Basis: as received **Analyzed:** 08/08/23

489496-004 Analyte	Result	RL	Units
TPH Gasoline	**87**	44	mg/Kg

489496-004 Surrogate	%REC	Limits
Bromofluorobenzene (FID)	96	60-140

ENTHALPY ANALYTICAL

Gasoline by GC/FID (5035 Prep)

Lab #: 489496 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-13-15.0 **Diln Fac:** 16.11 **Prep:** EPA 5035

Type: SAMPLE **Batch#:** 319749 **Analysis:** EPA 8015B

Lab ID: 489496-005 **Sampled:** 07/31/23 **Analyst:** SXR

Matrix: Soil **Received:** 07/31/23

Basis: as received **Analyzed:** 08/08/23

489496-005 Analyte	Result	RL	Units
TPH Gasoline	**68**	48	mg/Kg

489496-005 Surrogate	%REC	Limits
Bromofluorobenzene (FID)	95	60-140

Type: BLANK **Diln Fac:** 25.00 **Prep:** EPA 5035

Lab ID: QC1084918 **Batch#:** 319749 **Analysis:** EPA 8015B

Matrix: Soil **Analyzed:** 08/07/23 **Analyst:** SXR

QC1084918 Analyte	Result	RL	Units
TPH Gasoline	ND	75	mg/Kg

QC1084918 Surrogate	%REC	Limits
Bromofluorobenzene (FID)	97	60-140

Type: BLANK **Diln Fac:** 1.000 **Prep:** EPA 5035

Lab ID: QC1084919 **Batch#:** 319749 **Analysis:** EPA 8015B

Matrix: Soil **Analyzed:** 08/07/23 **Analyst:** SXR

QC1084919 Analyte	Result	RL	Units
TPH Gasoline	ND	3.0	mg/Kg

QC1084919 Surrogate	%REC	Limits
Bromofluorobenzene (FID)	94	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Total Volatile Hydrocarbons

Lab #: 489496 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-13-20.0 **Diln Fac:** 1.000 **Prep:** EPA 5030B

Type: SAMPLE **Batch#:** 319958 **Analysis:** EPA 8015B

Lab ID: 489496-006 **Sampled:** 07/31/23 **Analyst:** LYZ

Matrix: Soil **Received:** 07/31/23

Basis: as received **Analyzed:** 08/09/23

489496-006 Analyte	Result	RL	Units
TPH Gasoline	ND	3.0	mg/Kg

489496-006 Surrogate	%REC	Limits
Bromofluorobenzene (FID)	94	60-140

Type: BLANK **Diln Fac:** 25.00 **Prep:** EPA 5030B

Lab ID: QC1085575 **Batch#:** 319958 **Analysis:** EPA 8015B

Matrix: Soil **Analyzed:** 08/09/23 **Analyst:** LYZ

QC1085575 Analyte	Result	RL	Units
TPH Gasoline	ND	75	mg/Kg

QC1085575 Surrogate	%REC	Limits
Bromofluorobenzene (FID)	98	60-140

Type: BLANK **Diln Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC1085578 **Batch#:** 319958 **Analysis:** EPA 8015B

Matrix: Soil **Analyzed:** 08/09/23 **Analyst:** LYZ

QC1085578 Analyte	Result	RL	Units
TPH Gasoline	ND	3.0	mg/Kg

QC1085578 Surrogate	%REC	Limits
Bromofluorobenzene (FID)	98	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Gasoline by GC/FID (5035 Prep): Batch QC

Lab #: 489496 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: BS **Dil'n Fac:** 1.000 **Prep:** EPA 5035

Lab ID: QC1084916 **Batch#:** 319749 **Analysis:** EPA 8015B

Matrix: Soil **Analyzed:** 08/07/23 **Analyst:** SXR

QC1084916 Analyte	Spiked	Result	%REC	Limits	Units
TPH Gasoline	5.000	5.967	119	70-130	mg/Kg

QC1084916 Surrogate	%REC	Limits
Bromofluorobenzene (FID)	130	60-140

Type: BSD **Dil'n Fac:** 1.000 **Prep:** EPA 5035

Lab ID: QC1084917 **Batch#:** 319749 **Analysis:** EPA 8015B

Matrix: Soil **Analyzed:** 08/07/23 **Analyst:** SXR

QC1084917 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
TPH Gasoline	5.000	6.006	120	70-130	mg/Kg	1	20

QC1084917 Surrogate	%REC	Limits
Bromofluorobenzene (FID)	130	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Total Volatile Hydrocarbons: Batch QC

Lab #: 489496 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: BS **Dil'n Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC1085576 **Batch#:** 319958 **Analysis:** EPA 8015B

Matrix: Soil **Analyzed:** 08/09/23 **Analyst:** LYZ

QC1085576 Analyte	Spiked	Result	%REC	Limits	Units
TPH Gasoline	5.000	5.656	113	70-130	mg/Kg

QC1085576 Surrogate	%REC	Limits
Bromofluorobenzene (FID)	124	60-140

Type: BSD **Dil'n Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC1085577 **Batch#:** 319958 **Analysis:** EPA 8015B

Matrix: Soil **Analyzed:** 08/09/23 **Analyst:** LYZ

QC1085577 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
TPH Gasoline	5.000	5.509	110	70-130	mg/Kg	3	20

QC1085577 Surrogate	%REC	Limits
Bromofluorobenzene (FID)	123	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

6xtractable garb2n ghain

Lab #: 9/E9E **Pr2@ct#:** 14E05.0.31.

glient: noTt6SJJosiB@aJ **L2cati2n:** Smux8&oTDe@i

Field ID:	MW-10-05	**Diln Fac:**	75..	**Analyzed:**	./2 82 80
Type:	3SMAPL	**Batch#:**	01E9E.	**Prep:**	LAS607/.M
Lab ID:	9/E9E-..1	**Sampled:**	.42012 80	**Analysis:**	LAS6'.17M
Matrix:	3oil	**Received:**	.42012 80	**Analyst:**	3ML
Basis:	BJ6@asair ae	**Prepared:**	./2 82 80		

4894930- - 1 Analyte	Result	RL	Units
DRo g1-0g%8	E@4- -	7.	c v2dv
oRo g%80g44	1@E- -	1..	c v2dv

4894930- - 1 Surr2j ate	5 R6g	Limits
D-RGBsoD@BDa	CN	4.-10.

Field ID:	MW-10-75	**Diln Fac:**	75..	**Analyzed:**	./2 92 80
Type:	3SMAPL	**Batch#:**	01E9E.	**Prep:**	LAS607/.M
Lab ID:	9/E9E-..8	**Sampled:**	.42012 80	**Analysis:**	LAS6'.17M
Matrix:	3oil	**Received:**	.42012 80	**Analyst:**	mgK
Basis:	BJ6@asair ae	**Prepared:**	./2 02 80		

4894930- - %Analyte	Result	RL	Units
DRo g1-0g%8	1@4- -	7.	c v2dv
oRo g%80g44	37-	1..	c v2dv

4894930- - %Surr2j ate	5 R6g	Limits
D-RGBsoD@BDa	CN	4.-10.

Field ID:	MW-10-5	**Diln Fac:**	1.5.	**Analyzed:**	./2 92 80
Type:	3SMAPL	**Batch#:**	01E9E.	**Prep:**	LAS607/.M
Lab ID:	9/E9E-..0	**Sampled:**	.42012 80	**Analysis:**	LAS6'.17M
Matrix:	3oil	**Received:**	.42012 80	**Analyst:**	mgK
Basis:	BJ6@asair ae	**Prepared:**	./2 02 80		

4894930- - E Analyte	Result	RL	Units
DRo g1-0g%8	E@%-	1..	c v2dv
oRo g%80g44	1@- -	8..	c v2dv

4894930- - E Surr2j ate	5 R6g	Limits
D-RGBsoD@BDa	CN	4.-10.

ENTHALPY ANALYTICAL

6xtractable garb2n ghain

Lab #: 9/E9E **Pr2@ct#:** 14E05.0.31.

glient: noTt6SJJosiB@aJ **L2cati2n:** Smux8&oTDeGi

Field ID:	MW-10-1.5	**Diln Fac:**	75..	**Analyzed:**	./2.9280
Type:	3SMAPL	**Batch#:**	01E9E.	**Prep:**	LAS607/.M
Lab ID:	9/E9E-..9	**Sampled:**	.4201280	**Analysis:**	LAS6'.17M
Matrix:	3oil	**Received:**	.4201280	**Analyst:**	mgK
Basis:	BJ6@asair ae	**Prepared:**	./2.0280		

4894930--4 Analyte	Result	RL	Units
DRo g1-0g%8	19---	7.	c v2dv
oRo g%80g44	,9-	EE	c v2dv

4894930--4 Surr2j ate	5R6g	Limits
D-RGBsoDG3Da	CN	4.-10.

Field ID:	MW-10-17.5	**Diln Fac:**	15..	**Analyzed:**	./2.9280
Type:	3SMAPL	**Batch#:**	01E9E.	**Prep:**	LAS607/.M
Lab ID:	9/E9E-..7	**Sampled:**	.4201280	**Analysis:**	LAS6'.17M
Matrix:	3oil	**Received:**	.4201280	**Analyst:**	mgK
Basis:	BJ6@asair ae	**Prepared:**	./2.0280		

4894930--, Analyte	Result	RL	Units
DRo g1-0g%8	E,-	E5E	c v2dv
oRo g%80g44	11-	8.	c v2dv

4894930--, Surr2j ate	5R6g	Limits
D-RGBsoDG3Da	1.0	4.-10.

Field ID:	MW-10-8.5	**Diln Fac:**	15..	**Analyzed:**	./2.9280
Type:	3SMAPL	**Batch#:**	01E9E.	**Prep:**	LAS607/.M
Lab ID:	9/E9E-..	**Sampled:**	.4201280	**Analysis:**	LAS6'.17M
Matrix:	3oil	**Received:**	.4201280	**Analyst:**	mgK
Basis:	BJ6@asair ae	**Prepared:**	./2.0280		

4894930--3 Analyte	Result	RL	Units
DRo g1-0g%8	EE-	E5E	c v2dv
oRo g%80g44	11-	8.	c v2dv

4894930--3 Surr2j ate	5R6g	Limits
D-RGBsoDG3Da	/4	4.-10.

ENTHALPY ANALYTICAL

6xtractable garb2n ghain

Lab #: 9/ E9E		**Pr2@ct#:** 14E05 . 0. 31.	
glient: n oTt 6SJJosiB@aJ		**L2cati2n:** Smux8&oTDe@i	
Type: mPSFd	**Batch#:** 01E9E.	**Analysis:** LAS6'. 17M	
Lab ID: y Q1. / 9. . 7	**Prepared:** . / 2. 82.80	**Analyst:** 3ML	
Matrix: 3oil	**Analyzed:** . / 2. 82.80		
DiIn Fac: 15. .	**Prep:** LAS607/ . M		

Qg1-84- - , Analyte	Result	RL	Units
Cn N6Q1. -Q8/	FC	1.	c v2dv
Nn N6Q8/ -Q99	FC	8.	c v2dv

Qg1-84- - , Surr2j ate	5 R6g	Limits
D-RGBsoDGBDa	114	4. -10.

PavaDe

Do: CilTQae6NTO

ND: Fo@CaQasQae

RL: napoGDv6Fic iO

ENTHALPY ANALYTICAL

Extractable Carbon Chain: Batch QC

Lab #: 089092 **Project#:** 1693D7737S172

Client: Ri ux A--i clats- **Location:** AB&I Fi undry

Type: LCS **Batch#:** 319097 **Analysis:** EPA 8715M

Lab ID: QC1780772 **Prepared:** 78/7o/o3 **Analyst:** SME

Matrix: Si l. **Analyzed:** 78/7o/o3

DiIn Fac: 1D77 **Prep:** EPA 3587M

QC1084006 Analyte	Spiked	Result	%REC	Limits	Units
e ls-s. C174Co8	o57D7	o38D1	95	624loo	mg/Kg

QC1084006 Surrogate	%REC	Limits
n4Trlaci ntans	119	674l37

ENTHALPY ANALYTICAL

Extractable Carbon Chain: Batch QC

Lab #: 489496 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	MW-13-3.0	**Basis:**	as received	**Prepared:**	08/02/23
Type:	MS	**Diln Fac:**	5.000	**Analyzed:**	08/03/23
MSS Lab ID:	489496-001	**Batch#:**	319490	**Prep:**	EPA 3580M
Lab ID:	QC1084007	**Sampled:**	07/31/23	**Analysis:**	EPA 8015M
Matrix:	Soil	**Received:**	07/31/23	**Analyst:**	SME

QC1084007 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units	Qual
Diesel C10-C28	3,413	248.0	3,812	161	62-126	mg/Kg	NM

QC1084007 Surrogate	%REC	Limits
n-Triacontane	DO	70-130

Field ID:	MW-13-3.0	**Basis:**	as received	**Prepared:**	08/02/23
Type:	MSD	**Diln Fac:**	5.000	**Analyzed:**	08/03/23
MSS Lab ID:	489496-001	**Batch#:**	319490	**Prep:**	EPA 3580M
Lab ID:	QC1084008	**Sampled:**	07/31/23	**Analysis:**	EPA 8015M
Matrix:	Soil	**Received:**	07/31/23	**Analyst:**	SME

QC1084008 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim	Qual
Diesel C10-C28	248.0	4,045	255	62-126	mg/Kg	6	35	NM

QC1084008 Surrogate	%REC	Limits
n-Triacontane	DO	70-130

Legend

DO: Diluted Out

NM: Not Meaningful

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 289296 **Project#:** 1394.0040S106

Client: x on&Associa2s **Location:** A7I HFonhdrf

Field ID:	MW-14-4.0	**Diln Fac:**	45.55	**Analyzed:**	08/03/54
Lab ID:	289296-001	**Batch#:**	419346	**Prep:**	EPA B04B
Matrix:	Soil	**Sampled:**	03/41/54	**Analysis:**	EPA 85607
Basis:	as received	**Received:**	03/41/54	**Analyst:**	HNm

489496-001 Analyte	Result	RL	Units
1g-Kic, loroe2ahe	t K	160	nu/mu
1g-Kic, loroe2ehe	t K	160	nu/mu
1g-Kic, loropropehe	t K	160	nu/mu
1g1g-Tric, loroe2ahe	t K	160	nu/mu
1g1g5-Te2ac, loroe2ahe	t K	160	nu/mu
1g5-Tric, loroe2ahe	t K	160	nu/mu
1g5g5-Te2ac, loroe2ahe	t K	160	nu/mu
15-KibroCo-4-z , loropropahe	t K	160	nu/mu
15-KibroCoe2ahe	t K	160	nu/mu
15-Kic, lorobehyehe	t K	160	nu/mu
15-Kic, loroe2ahe	t K	160	nu/mu
15-Kic, loropropahe	t K	160	nu/mu
15g4-Tric, lorobehyehe	t K	160	nu/mu
15g4-Tric, loropropahe	t K	160	nu/mu
15g2-Tric, lorobehyehe	t K	160	nu/mu
15g2-TriCe2fIbehyehe	t K	160	nu/mu
14-Kic, lorobehyehe	t K	160	nu/mu
14-Kic, loropropahe	t K	160	nu/mu
14g3-TriCe2fIbehyehe	t K	160	nu/mu
12-Kic, lorobehyehe	t K	160	nu/mu
5-7n2ahohe	t K	4g500	nu/mu
5-z , loro2olnehe	t K	160	nu/mu
55-Kic, loropropahe	t K	160	nu/mu
2-z , loro2olnehe	t K	160	nu/mu
2-Me2fI-5-Peh2ahohe	t K	160	nu/mu
Ace2ohe	t K	4g500	nu/mu
7ehyehe	t K	160	nu/mu
7roCobehyehe	t K	160	nu/mu
7roCoc, loroCe2ahe	t K	160	nu/mu
7roCodic, loroCe2ahe	t K	160	nu/mu
7roCoR3rC	t K	160	nu/mu
7roCoCe2ahe	t K	160	nu/mu
z arboh Te2ac, loride	t K	160	nu/mu
z , lorobehyehe	t K	160	nu/mu
z , loroe2ahe	t K	160	nu/mu
z , loroR3rC	t K	160	nu/mu
z , loroCe2ahe	t K	160	nu/mu
cis-15-Kic, loroe2ehe	t K	160	nu/mu
cis-14-Kic, loropropehe	t K	160	nu/mu
KibroCoc, loroCe2ahe	t K	160	nu/mu
KibroCoCe2ahe	t K	160	nu/mu

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 289296 **Project#:** 1394.0040S106

Client: x on&AssociaDes **Location:** A7I HFonhdrf

489496-001 Analyte	Result	RL	Units
EDfIbehyehe	t K	160	nu/mu
Freoh 114	t K	160	nu/mu
Freoh 15	t K	160	nu/mu
Ve&ac, lorobnDadiehe	t K	160	nu/mu
Hsopropf Ibehyehe	t K	160	nu/mu
MeDfIehe z , loride	t K	450	nu/mu
MT7E	t K	160	nu/mu
h-7nDIbehyehe	t K	160	nu/mu
t ap, Dalehe	t K	160	nu/mu
para-Hsopropf I Tolnehe	t K	160	nu/mu
Propf Ibehyehe	t K	160	nu/mu
sec-7nDIbehyehe	t K	160	nu/mu
SDrehe	t K	160	nu/mu
DerD-7nDIbehyehe	t K	160	nu/mu
TeDac, loroeDehe	t K	160	nu/mu
Tolnehe	t K	160	nu/mu
Dahs-1g5-Kic, loroeDehe	t K	160	nu/mu
Dahs-1g4-Kic, loropropehe	t K	160	nu/mu
Tric, loroeDehe	t K	160	nu/mu
Tric, lorofRnoroCeDahe	t K	160	nu/mu
Xihf I z , loride	t K	160	nu/mu
Cgp-Lf Iehes	t K	450	nu/mu
o-Lf Iehe	t K	160	nu/mu

489496-001 Surrogate	%REC	Limits
KibroCofRnoroCeDahe	94	30-12B
1g5-Kic, loroeDahe-d2	98	30-12B
Tolnehe-d8	105	30-12B
7roCofRnorobehyehe	99	30-12B

Neuehd

ND: t oDKeDacDed

RL: x eporDhu NCiD

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 93696E **Project#:** 18640 5545S15E

Client: x on&B ssociaDes **Location:** 7 l HBFonhdrf

Field ID:	MW-14-. 05	**Diln Fac:**	5085. /	**Analyzed:**	532542/ 4
Lab ID:	93696E-55/	**Batch#:**	416. / 6	**Prep:**	PA B 54.
Matrix:	Soil	**Sampled:**	582412/ 4	**Analysis:**	PA B3/ E57
Basis:	asBeceived	**Received:**	582412/ 4	**Analyst:**	HNm

489496-002 Analyte	Result	RL	Units
1g -Kic, loroeDahe	t K	40	nu2nu
1g -Kic, loroeDehe	t K	40	nu2nu
1g -Kic, loropropehe	t K	40	nu2nu
1g g -Tric, loroeDahe	t K	40	nu2nu
1g g g -TeDac, loroeDahe	t K	40	nu2nu
1g g -Tric, loroeDahe	t K	40	nu2nu
1g g g -TeDac, loroeDahe	t K	40	nu2nu
1g -KibroCo-4-z , loropropahe	t K	40	nu2nu
1g -KibroCoeDahe	t K	40	nu2nu
1g -Kic, lorobehyehe	t K	40	nu2nu
1g -Kic, loroeDahe	t K	40	nu2nu
1g -Kic, loropropahe	t K	40	nu2nu
1g g4-Tric, lorobehyehe	t K	40	nu2nu
1g g4-Tric, loropropahe	t K	40	nu2nu
1g g9-Tric, lorobehyehe	t K	40	nu2nu
1,2,4-Trimethylbenzene	**4.6**	40	nu2nu
1g4-Kic, lorobehyehe	t K	40	nu2nu
1g4-Kic, loropropahe	t K	40	nu2nu
1g4g -TriCeDflbehyehe	t K	40	nu2nu
1g9-Kic, lorobehyehe	t K	40	nu2nu
/ -7nDahohe	t K	81	nu2nu
/ -z , loroDolnehe	t K	40	nu2nu
/ g -Kic, loropropahe	t K	40	nu2nu
9-z , loroDolnehe	t K	40	nu2nu
9-MeDfl-/ -AehDahohe	t K	. 08	nu2nu
Acetone	**84**	81	nu2nu
7ehyehe	t K	40	nu2nu
7roCobehyehe	t K	40	nu2nu
7roCoc, loroCeDahe	t K	40	nu2nu
7roCodic, loroCeDahe	t K	40	nu2nu
7roCoBrC	t K	40	nu2nu
7roCoCeDahe	t K	40	nu2nu
z arbohBeDac, loride	t K	40	nu2nu
z , lorobehyehe	t K	40	nu2nu
z , loroeDahe	t K	40	nu2nu
z , loroBrC	t K	40	nu2nu
z , loroCeDahe	t K	40	nu2nu
cis-1g -Kic, loroeDehe	t K	40	nu2nu
cis-1g4-Kic, loropropehe	t K	40	nu2nu
KibroCoc, loroCeDahe	t K	40	nu2nu
KibroCoCeDahe	t K	40	nu2nu

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 93696E **Project#:** 18640 5545S15E

Client: x on&B ssociale s **Location:** 7 l HB Fonhdrf

489496-002 Analyte	Result	RL	Units
PD, f lbehyehe	t K	40	nu2nu
Freoh B 14	t K	40	nu2nu
Freoh B 1/	t K	40	nu2nu
Ve&ac, lorobn D adiehe	t K	40	nu2nu
Isopropylbenzene	**4.3**	40	nu2nu
MeD, f leheB z , loride	t K	80 l	nu2nu
MT7P	t K	40	nu2nu
n-Butylbenzene	**3.8**	40	nu2nu
Naphthalene	**17**	40	nu2nu
para-Isopropf lE Tolnehe	t K	40	nu2nu
Propylbenzene	**8.3**	40	nu2nu
sec-7n D lbehyehe	t K	40	nu2nu
S D rehe	t K	40	nu2nu
D erD-7n D lbehyehe	t K	40	nu2nu
Te D ac, loroe D ehe	t K	40	nu2nu
Tolnehe	t K	40	nu2nu
D ahs-1g -Kic, loroe D ehe	t K	40	nu2nu
D ahs-1g 4-Kic, loropropehe	t K	40	nu2nu
Tric, loroe D ehe	t K	40	nu2nu
Tric, lorof R horoCe D ahe	t K	40	nu2nu
Xihf lB z , loride	t K	40	nu2nu
Cg p-Lf lehes	t K	80 l	nu2nu
o-Lf lehe	t K	40	nu2nu

489496-002 Surrogate	%REC	Limits
KibroCof R horoCe D ahe	114	85-19.
1g -Kic, loroe D ahe-d9	113	85-19.
Tolnehe-d3	6/	85-19.
7roCof R horobehyehe	154	85-19.

Neuehd

ND: t olB Ke D ac D d

RL: x epor D huB NC iD

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 6/ 868. **Project#:** 12840 5545S15.

Client: x on& Associa e **Location:** A7 I H Fonhdrf

Field ID:	MW-14-. 05	**Diln Fac:**	1440	**Analyzed:**	5/ 35 23 94
Lab ID:	6/ 868. -554	**Batch#:**	41824.	**Prep:**	EPA B 54B
Matrix:	Soil	**Sampled:**	523 413 94	**Analysis:**	EPA / 9. 57
Basis:	as received	**Received:**	523 413 94	**Analyst:**	H Nm

489496-003 Analyte	Result	RL	Units
1g l -Kic, loroe D ahe	t K	. 25	nu 3nu
1g l -Kic, loroe D ehe	t K	. 25	nu 3nu
1g l -Kic, loropropehe	t K	. 25	nu 3nu
1g lg l -Tric, loroe D ahe	t K	. 25	nu 3nu
1g lg l g 9-Te D ac, loroe D ahe	t K	. 25	nu 3nu
1g lg 9-Tric, loroe D ahe	t K	. 25	nu 3nu
1g lg 9g 9-Te D ac, loroe D ahe	t K	. 25	nu 3nu
1g 9-Kibro Co-4-z , loropropahe	t K	. 25	nu 3nu
1g 9-Kibro Coe D ahe	t K	. 25	nu 3nu
1g 9-Kic, lorobehyehe	t K	. 25	nu 3nu
1g 9-Kic, loroe D ahe	t K	. 25	nu 3nu
1g 9-Kic, loropropahe	t K	. 25	nu 3nu
1g 9g 4-Tric, lorobehyehe	t K	. 25	nu 3nu
1g 9g 4-Tric, loropropahe	t K	. 25	nu 3nu
1g 9g 6-Tric, lorobehyehe	t K	. 25	nu 3nu
1g 9g 6-Tri Ce D f lbehyehe	t K	. 25	nu 3nu
1g 4-Kic, lorobehyehe	t K	. 25	nu 3nu
1g 4-Kic, loropropahe	t K	. 25	nu 3nu
1g 4g B-Tri Ce D f lbehyehe	t K	. 25	nu 3nu
1g 6-Kic, lorobehyehe	t K	. 25	nu 3nu
9-7 n D ahohe	t K	14 5 555	nu 3nu
9-z , loro D lnehe	t K	. 25	nu 3nu
9g 9-Kic, loropropahe	t K	. 25	nu 3nu
6-z , loro D lnehe	t K	. 25	nu 3nu
6-Me D f l-9-Peh D ahohe	t K	. 25	nu 3nu
Ace D ohe	t K	14 5 555	nu 3nu
7 ehyehe	t K	. 25	nu 3nu
7 ro Cobehyehe	t K	. 25	nu 3nu
7 ro Coc, loro Ce D ahe	t K	. 25	nu 3nu
7 ro Codic, loro Ce D ahe	t K	. 25	nu 3nu
7 ro Co r C	t K	. 25	nu 3nu
7 ro Co Ce D ahe	t K	. 25	nu 3nu
z arboh Te D ac, loride	t K	. 25	nu 3nu
z , lorobehyehe	t K	. 25	nu 3nu
z , loroe D ahe	t K	. 25	nu 3nu
z , loro r C	t K	. 25	nu 3nu
z , loro Ce D ahe	t K	. 25	nu 3nu
cis-1g 9-Kic, loroe D ehe	t K	. 25	nu 3nu
cis-1g 4-Kic, loropropehe	t K	. 25	nu 3nu
Kibro Coc, loro Ce D ahe	t K	. 25	nu 3nu
Kibro Co Ce D ahe	t K	. 25	nu 3nu

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 6/ 868. **Project#:** 12840 5545S15.

Client: x on& Associa e **Location:** A7 I H Fonhdrf

489496-003 Analyte	Result	RL	Units
ED fl behyehe	t K	. 25	nu 3nu
Freoh 114	t K	. 25	nu 3nu
Freoh 19	t K	. 25	nu 3nu
Ve&ac, lorobn a diehe	t K	. 25	nu 3nu
Isopropylbenzene	**720**	. 25	nu 3nu
Me fl ehe z , loride	t K	1g 55	nu 3nu
MT7E	t K	. 25	nu 3nu
n-Butylbenzene	**1,300**	. 25	nu 3nu
Naphthalene	**5,400**	. 25	nu 3nu
para-Isopropf l Tolnehe	t K	. 25	nu 3nu
Propylbenzene	**1,900**	. 25	nu 3nu
sec-Butylbenzene	**940**	. 25	nu 3nu
S rehe	t K	. 25	nu 3nu
er -7 n l behyehe	t K	. 25	nu 3nu
Te ac, loroe ehe	t K	. 25	nu 3nu
Tolnehe	t K	. 25	nu 3nu
ahs-1g 9-Kic, loroe ehe	t K	. 25	nu 3nu
ahs-1g 4-Kic, loropropehe	t K	. 25	nu 3nu
Tric, loroe ehe	t K	. 25	nu 3nu
Tric, lorof Rmoro Ce ahe	t K	. 25	nu 3nu
Xihf l z , loride	t K	. 25	nu 3nu
Cg p-Lf lehes	t K	1g 55	nu 3nu
o-Lf lehe	t K	. 25	nu 3nu

489496-003 Surrogate	%REC	Limits
KibroCof Rmoro Ce ahe	81	25-16B
1g 9-Kic, loroe ahe-d6	8B	25-16B
Tolnehe-d/	156	25-16B
7roCof Rmorobehyehe	151	25-16B

Neuehd

ND: t o Ke e c d

RL: x epor hu NC iD

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 9/ 6965 **Project#:** 18640 . 4. S1. 5

Client: x on& Associa**D**s **Location:** A7I H-Fonhdrf

Field ID:	MW-14-1. 0	**DiIn Fac:**	. 05448	**Analyzed:**	. / 3 83 24
Lab ID:	9/ 6965-. . 9	**Batch#:**	416845	**Prep:**	EPA B. 4B
Matrix:	Soil	**Sampled:**	. 83413 24	**Analysis:**	EPA / 25. 7
Basis:	as received	**Received:**	. 83413 24	**Analyst:**	HNm

489496-004 Analyte	Result	RL	Units
1g-Kic, loroe**D**ahe	t K	402	nu3nu
1g-Kic, loroe**D**ehe	t K	402	nu3nu
1g-Kic, loropropehe	t K	402	nu3nu
1g g-Tric, loroe**D**ahe	t K	402	nu3nu
1g g g2-Te**D**ac, loroe**D**ahe	t K	402	nu3nu
1g g2-Tric, loroe**D**ahe	t K	402	nu3nu
1g g2g2-Te**D**ac, loroe**D**ahe	t K	402	nu3nu
1g2-KibroCo-4-z , loropropahe	t K	402	nu3nu
1g2-KibroCoe**D**ahe	t K	402	nu3nu
1g2-Kic, lorobehyehe	t K	402	nu3nu
1g2-Kic, loroe**D**ahe	t K	402	nu3nu
1g2-Kic, loropropahe	t K	402	nu3nu
1g2g4-Tric, lorobehyehe	t K	402	nu3nu
1g2g4-Tric, loropropahe	t K	402	nu3nu
1g2g9-Tric, lorobehyehe	t K	402	nu3nu
1g2g9-TriCe**D**flbehyehe	t K	402	nu3nu
1g4-Kic, lorobehyehe	t K	402	nu3nu
1g4-Kic, loropropahe	t K	402	nu3nu
1g4g**B**-TriCe**D**flbehyehe	t K	402	nu3nu
1g9-Kic, lorobehyehe	t K	402	nu3nu
2-7n**D**ahohe	t K	54	nu3nu
2-z , loro**D**olnehe	t K	402	nu3nu
2g2-Kic, loropropahe	t K	402	nu3nu
9-z , loro**D**olnehe	t K	402	nu3nu
9-Me**D**fl-2-Peh**D**ahohe	t K	402	nu3nu
Ace**D**ohe	t K	54	nu3nu
7ehyehe	t K	402	nu3nu
7roCobehyehe	t K	402	nu3nu
7roCoc, loroCe**D**ahe	t K	402	nu3nu
7roCodic, loroCe**D**ahe	t K	402	nu3nu
7roCoR**3**rC	t K	402	nu3nu
7roCoCe**D**ahe	t K	402	nu3nu
z arboh Te**D**ac, loride	t K	402	nu3nu
z , lorobehyehe	t K	402	nu3nu
z , loroe**D**ahe	t K	402	nu3nu
z , loroR**3**rC	t K	402	nu3nu
z , loroCe**D**ahe	t K	402	nu3nu
cis-1g2-Kic, loroe**D**ehe	t K	402	nu3nu
cis-1g4-Kic, loropropehe	t K	402	nu3nu
KibroCoc, loroCe**D**ahe	t K	402	nu3nu
KibroCoCe**D**ahe	t K	402	nu3nu

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 9/ 6965 **Project#:** 18640 . 4. S1. 5

Client: x on&Associa **Location:** A7I HFonhdrf

489496-004 Analyte	Result	RL	Units
EDfIbehyehe	t K	402	nu3nu
Freoh 114	t K	402	nu3nu
Freoh 12	t K	402	nu3nu
Ve&ac, lorobn adiehe	t K	402	nu3nu
Isopropylbenzene	**5.7**	402	nu3nu
MeDfIehe z , loride	t K	504	nu3nu
MT7E	t K	402	nu3nu
n-Butylbenzene	**75**	402	nu3nu
t ap, Dalehe	t K	402	nu3nu
para-Isopropyl Toluene	**3.4**	402	nu3nu
PropfIbehyehe	t K	402	nu3nu
sec-Butylbenzene	**59**	402	nu3nu
SDrehe	t K	402	nu3nu
erD7nDIbehyehe	t K	402	nu3nu
TeDac, loroeDehe	t K	402	nu3nu
Tolnehe	t K	402	nu3nu
Dahs-1g2-Kic, loroeDehe	t K	402	nu3nu
Dahs-1g4-Kic, loropropehe	t K	402	nu3nu
Tric, loroeDehe	t K	402	nu3nu
Tric, lorofhoroCeDahe	t K	402	nu3nu
XihfIz , loride	t K	402	nu3nu
Cgp-LfIehes	t K	504	nu3nu
o-Xylene	**3.4**	402	nu3nu

489496-004 Surrogate	%REC	Limits
KibroCofhoroCeDahe	66	8. -19B
1g2-Kic, loroeDahe-d9	1. B	8. -19B
Tolnehe-d/	1. /	8. -19B
7roCofhorobehyehe	116	8. -19B

Neuehd

ND: t oDKeDacDed

RL: x eporDhu NCiD

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 936968 **Project#:** 1l 640 5545B158

Client: x Sn&AssScoaDes **Location:** A7l HFSnhdrf

Field ID:	MW-14-1. 05	**DiIn Fac:**	503/ . 3	**Analyzed:**	532542/ 4
Lab ID:	936968-55.	**Batch#:**	416. / 6	**Prep:**	EPA . 54.
Matrix:	BSo	**Sampled:**	5l 2412/ 4	**Analysis:**	EPA 3/ 857
Basis:	as receoved	**Received:**	5l 2412/ 4	**Analyst:**	HNm

489496-005 Analyte	Result	RL	Units
1g-Koc, iSrSeD,ahe	t K	40l	nu2nu
1g-Koc, iSrSeD,ehe	t K	40l	nu2nu
1g-Koc, iSrSprSpehe	t K	40l	nu2nu
1gg-Troc, iSrSeD,ahe	t K	40l	nu2nu
1ggg-TeDac, iSrSeD,ahe	t K	40l	nu2nu
1gg -Troc, iSrSeD,ahe	t K	40l	nu2nu
1ggg -TeDac, iSrSeD,ahe	t K	40l	nu2nu
1g-KobrSCS-4-z , iSrSprSpahe	t K	40l	nu2nu
1g-KobrSCSeD,ahe	t K	40l	nu2nu
1g-Koc, iSrSbehyehe	t K	40l	nu2nu
1g-Koc, iSrSeD,ahe	t K	40l	nu2nu
1g-Koc, iSrSprSpahe	t K	40l	nu2nu
1gg4-Troc, iSrSbehyehe	t K	40l	nu2nu
1gg4-Troc, iSrSprSpahe	t K	40l	nu2nu
1gg9-Troc, iSrSbehyehe	t K	40l	nu2nu
1gg9-TroCeD,fibehyehe	t K	40l	nu2nu
1g4-Koc, iSrSbehyehe	t K	40l	nu2nu
1g4-Koc, iSrSprSpahe	t K	40l	nu2nu
1g4g -TroCeD,fibehyehe	t K	40l	nu2nu
1g9-Koc, iSrSbehyehe	t K	40l	nu2nu
/ -7nDahShe	t K	84	nu2nu
/ -z , iSrSDSinehe	t K	40l	nu2nu
/ g-Koc, iSrSprSpahe	t K	40l	nu2nu
9-z , iSrSDSinehe	t K	40l	nu2nu
9-MeD,fi-/ -PehDahShe	t K	. 0l	nu2nu
AceDShe	t K	84	nu2nu
7ehyehe	t K	40l	nu2nu
7rSCSbehyehe	t K	40l	nu2nu
7rSCSc, iSrSCeD,ahe	t K	40l	nu2nu
7rSCSdoc, iSrSCeD,ahe	t K	40l	nu2nu
7rSCSRSrC	t K	40l	nu2nu
7rSCSCeD,ahe	t K	40l	nu2nu
z arbSh TeDac, iSrode	t K	40l	nu2nu
z , iSrSbehyehe	t K	40l	nu2nu
z , iSrSeD,ahe	t K	40l	nu2nu
z , iSrSRSrC	t K	40l	nu2nu
z , iSrSCeD,ahe	t K	40l	nu2nu
cos-1g-Koc, iSrSeD,ehe	t K	40l	nu2nu
cos-1g4-Koc, iSrSprSpehe	t K	40l	nu2nu
KobrSCSc, iSrSCeD,ahe	t K	40l	nu2nu
KobrSCSCeD,ahe	t K	40l	nu2nu

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 936968 **Project#:** 1l 640 5545B158

Client: x Sn&AssScoaDes **Location:** A7I HFSnhdrf

489496-005 Analyte	Result	RL	Units
ED,fibehyehe	t K	40l	nu2nu
FreSh 114	t K	40l	nu2nu
FreSh 1/	t K	40l	nu2nu
Ve&ac, iSrSbnDadoehe	t K	40l	nu2nu
HSprSpfibehyehe	t K	40l	nu2nu
MeD,fiehe z , iSrode	t K	804	nu2nu
MT7E	t K	40l	nu2nu
n-Butylbenzene	**4.8**	40l	nu2nu
t ap, D,aiehe	t K	40l	nu2nu
para-HSprSpfi TSinehe	t K	40l	nu2nu
PrSpfibehyehe	t K	40l	nu2nu
sec-Butylbenzene	**11**	40l	nu2nu
BDrehe	t K	40l	nu2nu
DerD-7nDibehyehe	t K	40l	nu2nu
TeDac, iSrSeD,ehe	t K	40l	nu2nu
TSinehe	t K	40l	nu2nu
Dahs-1g/-Koc, iSrSeD,ehe	t K	40l	nu2nu
Dahs-1g4-Koc, iSrSprSpehe	t K	40l	nu2nu
Troc, iSrSeD,ehe	t K	40l	nu2nu
Troc, iSrSRmSrSCeD,ahe	t K	40l	nu2nu
Xdnfiz , iSrode	t K	40l	nu2nu
Cgp-Lfiehes	t K	804	nu2nu
S-Lfiehe	t K	40l	nu2nu

489496-005 Surrogate	%REC	Limits
KdorSCSRmSrSCeD,ahe	115	I 5-19.
1g/-Koc, iSrSeD,ahe-d9	15I	I 5-19.
TSinehe-d3	15.	I 5-19.
7rSCSRmSrSbehyehe	151	I 5-19.

Neuehd

ND: t SDKeDacDad

RL: xepSrDhu NtCdD

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 9/ 6968 **Project#:** 12645 0040S108

Client: Rohx Associa,es **Location:** A7 &I FohDdry

Field ID:	MW-14-. 050	**DiIn Fac:**	0534/ 8	**Analyzed:**	0/ 3023. 4
Lab ID:	9/ 6968-008	**Batch#:**	416248	**Prep:**	EPA B04B
Matrix:	Soil	**Sampled:**	023413. 4	**Analysis:**	EPA / . 807
Basis:	as received	**Received:**	023413. 4	**Analyst:**	HMN

489496-006 Analyte	Result	RL	Units
1m-g icKloroe,KaDe	Ng	45	ht 3nt
1m-g icKloroe,KeDe	Ng	45	ht 3nt
1m-g icKlorourouoeDe	Ng	45	ht 3nt
1mm-pricKloroe,KaDe	Ng	45	ht 3nt
1mmm-pe,racKloroe,KaDe	Ng	45	ht 3nt
1mm-pricKloroe,KaDe	Ng	45	ht 3nt
1mmm-pe,racKloroe,KaDe	Ng	45	ht 3nt
1m-g iTrob o-4-CKlorourouaDe	Ng	45	ht 3nt
1m-g iTrob oe,KaDe	Ng	45	ht 3nt
1m-g icKloroTeDzeDe	Ng	45	ht 3nt
1m-g icKloroe,KaDe	Ng	45	ht 3nt
1m-g icKlorourouaDe	Ng	45	ht 3nt
1mm4-pricKloroTeDzeDe	Ng	45	ht 3nt
1mm4-pricKlorourouaDe	Ng	45	ht 3nt
1mm9-pricKloroTeDzeDe	Ng	45	ht 3nt
1mm9-prib e,KylTeDzeDe	Ng	45	ht 3nt
1m4-g icKloroTeDzeDe	Ng	45	ht 3nt
1m4-g icKlorourouaDe	Ng	45	ht 3nt
1m4mB-prib e,KylTeDzeDe	Ng	45	ht 3nt
1m9-g icKloroTeDzeDe	Ng	45	ht 3nt
. -7h,aDoDe	Ng	89	ht 3nt
. -CKloro,olheDe	Ng	45	ht 3nt
. m-g icKlorourouaDe	Ng	45	ht 3nt
9-CKloro,olheDe	Ng	45	ht 3nt
9-Me,Kyl-. -PeD,aDoDe	Ng	45	ht 3nt
Ace,oDe	Ng	89	ht 3nt
7eDzeDe	Ng	45	ht 3nt
7rob oTeDzeDe	Ng	45	ht 3nt
7rob ocKlorob e,KaDe	Ng	45	ht 3nt
7rob odicKlorob e,KaDe	Ng	45	ht 3nt
7rob oforb	Ng	45	ht 3nt
7rob ob e,KaDe	Ng	45	ht 3nt
CarToDpe,racKloride	Ng	45	ht 3nt
CKloroTeDzeDe	Ng	45	ht 3nt
CKloroe,KaDe	Ng	45	ht 3nt
CKloroforb	Ng	45	ht 3nt
CKlorob e,KaDe	Ng	45	ht 3nt
cis-1m-g icKloroe,KeDe	Ng	45	ht 3nt
cis-1m4-g icKlorourouoeDe	Ng	45	ht 3nt
g iTrob ocKlorob e,KaDe	Ng	45	ht 3nt
g iTrob ob e,KaDe	Ng	45	ht 3nt

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS

Lab #: 9/ 6968 **Project#:** 12645 0040S108

Client: Rohx Associa,es **Location:** A7 &I FohDdry

489496-006 Analyte	Result	RL	Units
E,KylTeDzeDe	Ng	45	ht 3nt
FreoD 114	Ng	45	ht 3nt
FreoD 1.	Ng	45	ht 3nt
HexacKloroTh,adieDe	Ng	45	ht 3nt
IsourouylTeDzeDe	Ng	45	ht 3nt
Me,KyleDe CKloride	Ng	859	ht 3nt
Mp7E	Ng	45	ht 3nt
D-7h,ylTeDzeDe	Ng	45	ht 3nt
NauK,KaleDe	Ng	45	ht 3nt
uara-Isourouyl polheDe	Ng	45	ht 3nt
ProuylTeDzeDe	Ng	45	ht 3nt
sec-7h,ylTeDzeDe	Ng	45	ht 3nt
S,yreDe	Ng	45	ht 3nt
,er,-7h,ylTeDzeDe	Ng	45	ht 3nt
pe,racKloroe,KeDe	Ng	45	ht 3nt
polheDe	Ng	45	ht 3nt
,raDs-1m-g icKloroe,KeDe	Ng	45	ht 3nt
,raDs-1m4-g icKlorourouroueDe	Ng	45	ht 3nt
pricKloroe,KeDe	Ng	45	ht 3nt
pricKloroflhorob e,KaDe	Ng	45	ht 3nt
ViDyl CKloride	Ng	45	ht 3nt
b m-XyleDes	Ng	859	ht 3nt
o-XyleDe	Ng	45	ht 3nt

489496-006 Surrogate	%REC	Limits
g iTrob oflhorob e,KaDe	6/	20-19B
1m-g icKloroe,KaDe-d9	10.	20-19B
polheDe-d/	10.	20-19B
7rob oflhoroTeDzeDe	101	20-19B

Let eDd

ND: No, g e,ec,ed

RL: Reuor,iD: Lib i,

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 482426 **Project#:** 1n23.0030S106

Client: R7ux Ass7Dcaers **Location:** AB&I F7ut dhy

Type: BS **Diln Fac:** 1.000 **Prep:** EPA 5035

Lab ID: QC1084111 **Batch#:** 312592 **Analysis:** EPA 8960B

Matrix: S7oi **Analyzed:** 08l03l93 **Analyst:** / HM

QC1084111 Analyte	Spiked	Result	%REC	Limits	Units
1N1,- dDci7h7recrtr	50.00	58.20	118	n0,131	uglKg
Brtzrtr	50.00	54.23	110	n0,130	uglKg
Cci7h7brtzrtr	50.00	46.22	24	n0,130	uglKg
HTBE	50.00	55.49	111	62,130	uglKg
T7iurtr	50.00	48.82	28	n0,130	uglKg
ThDDci7h7recrtr	50.00	58.68	11n	n0,130	uglKg

QC1084111 Surrogate	%REC	Limits
- dobh7m7fiu7h7mrecatr	108	n0,130
1N9,- dDci7h7recatr,d4	105	n0,145
T7iurtr,d8	23	n0,145
Bh7m7fiu7h7brtzrtr	103	n0,145

Type: BS- **Diln Fac:** 1.000 **Prep:** EPA 5035

Lab ID: QC1084119 **Batch#:** 312592 **Analysis:** EPA 8960B

Matrix: S7oi **Analyzed:** 08l03l93 **Analyst:** / HM

QC1084112 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
1N1,- dDci7h7recrtr	50.00	52.00	118	n0,131	uglKg	0	33
Brtzrtr	50.00	53.n5	10n	n0,130	uglKg	9	30
Cci7h7brtzrtr	50.00	46.45	23	n0,130	uglKg	1	30
HTBE	50.00	54.60	102	62,130	uglKg	1	30
T7iurtr	50.00	48.23	28	n0,130	uglKg	0	30
ThDDci7h7recrtr	50.00	60.04	190	n0,130	uglKg	9	30

QC1084112 Surrogate	%REC	Limits
- dobh7m7fiu7h7mrecatr	111	n0,130
1N9,- dDci7h7recatr,d4	106	n0,145
T7iurtr,d8	100	n0,145
Bh7m7fiu7h7brtzrtr	103	n0,145

Lrgrtd

RPD: Rriaevr PrhDrte- dfrhrtDr

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 489496 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: BLANK **Dil'n Fac:** 1.000 **Prep:** EPA 5035

Lab ID: QC1084115 **Batch#:** 319529 **Analysis:** EPA 8260B

Matrix: Soil **Analyzed:** 08/03/23 **Analyst:** LYZ

QC1084115 Analyte	Result	RL	Units
1,1-Dichloroethane	ND	5.0	ug/Kg
1,1-Dichloroethene	ND	5.0	ug/Kg
1,1-Dichloropropene	ND	5.0	ug/Kg
1,1,1-Trichloroethane	ND	5.0	ug/Kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg
1,1,2-Trichloroethane	ND	5.0	ug/Kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg
1,2-Dibromo-3-Chloropropane	ND	5.0	ug/Kg
1,2-Dibromoethane	ND	5.0	ug/Kg
1,2-Dichlorobenzene	ND	5.0	ug/Kg
1,2-Dichloroethane	ND	5.0	ug/Kg
1,2-Dichloropropane	ND	5.0	ug/Kg
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg
1,2,3-Trichloropropane	ND	5.0	ug/Kg
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg
1,3-Dichlorobenzene	ND	5.0	ug/Kg
1,3-Dichloropropane	ND	5.0	ug/Kg
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg
1,4-Dichlorobenzene	ND	5.0	ug/Kg
2-Butanone	ND	100	ug/Kg
2-Chlorotoluene	ND	5.0	ug/Kg
2,2-Dichloropropane	ND	5.0	ug/Kg
4-Chlorotoluene	ND	5.0	ug/Kg
4-Methyl-2-Pentanone	ND	8.1	ug/Kg
Acetone	ND	100	ug/Kg
Benzene	ND	5.0	ug/Kg
Bromobenzene	ND	5.0	ug/Kg
Bromochloromethane	ND	5.0	ug/Kg
Bromodichloromethane	ND	5.0	ug/Kg
Bromoform	ND	5.0	ug/Kg
Bromomethane	ND	5.0	ug/Kg
Carbon Tetrachloride	ND	5.0	ug/Kg
Chlorobenzene	ND	5.0	ug/Kg
Chloroethane	ND	5.0	ug/Kg
Chloroform	ND	5.0	ug/Kg
Chloromethane	ND	5.0	ug/Kg
cis-1,2-Dichloroethene	ND	5.0	ug/Kg
cis-1,3-Dichloropropene	ND	5.0	ug/Kg
Dibromochloromethane	ND	5.0	ug/Kg
Dibromomethane	ND	5.0	ug/Kg
Ethylbenzene	ND	5.0	ug/Kg

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 489496 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

QC1084115 Analyte	Result	RL	Units
Freon 113	ND	5.0	ug/Kg
Freon 12	ND	5.0	ug/Kg
Hexachlorobutadiene	ND	5.0	ug/Kg
Isopropylbenzene	ND	5.0	ug/Kg
Methylene Chloride	ND	10	ug/Kg
MTBE	ND	5.0	ug/Kg
n-Butylbenzene	ND	5.0	ug/Kg
Naphthalene	ND	5.0	ug/Kg
para-Isopropyl Toluene	ND	5.0	ug/Kg
Propylbenzene	ND	5.0	ug/Kg
sec-Butylbenzene	ND	5.0	ug/Kg
Styrene	ND	5.0	ug/Kg
tert-Butylbenzene	ND	5.0	ug/Kg
Tetrachloroethene	ND	5.0	ug/Kg
Toluene	ND	5.0	ug/Kg
trans-1,2-Dichloroethene	ND	5.0	ug/Kg
trans-1,3-Dichloropropene	ND	5.0	ug/Kg
Trichloroethene	ND	5.0	ug/Kg
Trichlorofluoromethane	ND	5.0	ug/Kg
Vinyl Chloride	ND	5.0	ug/Kg
m,p-Xylenes	ND	10	ug/Kg
o-Xylene	ND	5.0	ug/Kg

QC1084115 Surrogate	%REC	Limits
Dibromofluoromethane	113	70-130
1,2-Dichloroethane-d4	109	70-145
Toluene-d8	96	70-145
Bromofluorobenzene	99	70-145

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 489496 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: BLANK **Dil'n Fac:** 1.000 **Prep:** EPA 5035

Lab ID: QC1084864 **Batch#:** 319736 **Analysis:** EPA 8260B

Matrix: Soil **Analyzed:** 08/07/23 **Analyst:** HMN

QC1084864 Analyte	Result	RL	Units
1,1-Dichloroethane	ND	5.0	ug/Kg
1,1-Dichloroethene	ND	5.0	ug/Kg
1,1-Dichloropropene	ND	5.0	ug/Kg
1,1,1-Trichloroethane	ND	5.0	ug/Kg
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg
1,1,2-Trichloroethane	ND	5.0	ug/Kg
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg
1,2-Dibromo-3-Chloropropane	ND	5.0	ug/Kg
1,2-Dibromoethane	ND	5.0	ug/Kg
1,2-Dichlorobenzene	ND	5.0	ug/Kg
1,2-Dichloroethane	ND	5.0	ug/Kg
1,2-Dichloropropane	ND	5.0	ug/Kg
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg
1,2,3-Trichloropropane	ND	5.0	ug/Kg
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg
1,3-Dichlorobenzene	ND	5.0	ug/Kg
1,3-Dichloropropane	ND	5.0	ug/Kg
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg
1,4-Dichlorobenzene	ND	5.0	ug/Kg
2-Butanone	ND	100	ug/Kg
2-Chlorotoluene	ND	5.0	ug/Kg
2,2-Dichloropropane	ND	5.0	ug/Kg
4-Chlorotoluene	ND	5.0	ug/Kg
4-Methyl-2-Pentanone	ND	5.0	ug/Kg
Acetone	ND	100	ug/Kg
Benzene	ND	5.0	ug/Kg
Bromobenzene	ND	5.0	ug/Kg
Bromochloromethane	ND	5.0	ug/Kg
Bromodichloromethane	ND	5.0	ug/Kg
Bromoform	ND	5.0	ug/Kg
Bromomethane	ND	5.0	ug/Kg
Carbon Tetrachloride	ND	5.0	ug/Kg
Chlorobenzene	ND	5.0	ug/Kg
Chloroethane	ND	5.0	ug/Kg
Chloroform	ND	5.0	ug/Kg
Chloromethane	ND	5.0	ug/Kg
cis-1,2-Dichloroethene	ND	5.0	ug/Kg
cis-1,3-Dichloropropene	ND	5.0	ug/Kg
Dibromochloromethane	ND	5.0	ug/Kg
Dibromomethane	ND	5.0	ug/Kg
Ethylbenzene	ND	5.0	ug/Kg

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 489496 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

QC1084864 Analyte	Result	RL	Units
Freon 113	ND	5.0	ug/Kg
Freon 12	ND	5.0	ug/Kg
Hexachlorobutadiene	ND	5.0	ug/Kg
Isopropylbenzene	ND	5.0	ug/Kg
Methylene Chloride	ND	10	ug/Kg
MTBE	ND	5.0	ug/Kg
n-Butylbenzene	ND	5.0	ug/Kg
Naphthalene	ND	5.0	ug/Kg
para-Isopropyl Toluene	ND	5.0	ug/Kg
Propylbenzene	ND	5.0	ug/Kg
sec-Butylbenzene	ND	5.0	ug/Kg
Styrene	ND	5.0	ug/Kg
tert-Butylbenzene	ND	5.0	ug/Kg
Tetrachloroethene	ND	5.0	ug/Kg
Toluene	ND	5.0	ug/Kg
trans-1,2-Dichloroethene	ND	5.0	ug/Kg
trans-1,3-Dichloropropene	ND	5.0	ug/Kg
Trichloroethene	ND	5.0	ug/Kg
Trichlorofluoromethane	ND	5.0	ug/Kg
Vinyl Chloride	ND	5.0	ug/Kg
m,p-Xylenes	ND	10	ug/Kg
o-Xylene	ND	5.0	ug/Kg

QC1084864 Surrogate	%REC	Limits
Dibromofluoromethane	97	70-130
1,2-Dichloroethane-d4	101	70-145
Toluene-d8	101	70-145
Bromofluorobenzene	98	70-145

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 489496 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: BS **Dil'n Fac:** 1.000 **Prep:** EPA 5035

Lab ID: QC1084865 **Batch#:** 319736 **Analysis:** EPA 8260B

Matrix: Soil **Analyzed:** 08/07/23 **Analyst:** LYZ

QC1084865 Analyte	Spiked	Result	%REC	Limits	Units
1,1-Dichloroethene	50.00	53.73	107	70-131	ug/Kg
Benzene	50.00	52.72	105	70-130	ug/Kg
Chlorobenzene	50.00	52.86	106	70-130	ug/Kg
MTBE	50.00	38.14	76	69-130	ug/Kg
Toluene	50.00	53.69	107	70-130	ug/Kg
Trichloroethene	50.00	51.04	102	70-130	ug/Kg

QC1084865 Surrogate	%REC	Limits
Dibromofluoromethane	103	70-130
1,2-Dichloroethane-d4	99	70-145
Toluene-d8	102	70-145
Bromofluorobenzene	101	70-145

Type: BSD **Dil'n Fac:** 1.000 **Prep:** EPA 5035

Lab ID: QC1084866 **Batch#:** 319736 **Analysis:** EPA 8260B

Matrix: Soil **Analyzed:** 08/07/23 **Analyst:** HMN

QC1084866 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
1,1-Dichloroethene	50.00	47.22	94	70-131	ug/Kg	13	33
Benzene	50.00	47.15	94	70-130	ug/Kg	11	30
Chlorobenzene	50.00	47.21	94	70-130	ug/Kg	11	30
MTBE	50.00	35.71	71	69-130	ug/Kg	7	30
Toluene	50.00	46.76	94	70-130	ug/Kg	14	30
Trichloroethene	50.00	43.66	87	70-130	ug/Kg	16	30

QC1084866 Surrogate	%REC	Limits
Dibromofluoromethane	100	70-130
1,2-Dichloroethane-d4	101	70-145
Toluene-d8	100	70-145
Bromofluorobenzene	100	70-145

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 487476 **Project#:** C9750 . 5. SC. 6

Client: Roux Associates **Location:** AB&I Foundry

Type: BLANK **Diln Fac:** 1. 0 . **Prep:** EPA 1. 51

Lab ID: 3 QC. 84869 **Batch#:** 5C7956 **Analysis:** EPA 826. B

Matrix: Soil **Analyzed:** . 8/. 9/25 **Analyst:** HMN

QC1084867 Analyte	Result	RL	Units
C,C-Dichloroethane	ND	21.	ug/Kg
C,C-Dichloroethene	ND	21.	ug/Kg
C,C-Dichloropropene	ND	21.	ug/Kg
C,C,C-Trichloroethane	ND	21.	ug/Kg
C,C,C,2-Tetrachloroethane	ND	21.	ug/Kg
C,C,2-Trichloroethane	ND	21.	ug/Kg
C,C,2,2-Tetrachloroethane	ND	21.	ug/Kg
C,2-Dibromo-5-Qhloropropane	ND	21.	ug/Kg
C,2-Dibromoethane	ND	21.	ug/Kg
C,2-Dichlorobenzene	ND	21.	ug/Kg
C,2-Dichloroethane	ND	21.	ug/Kg
C,2-Dichloropropane	ND	21.	ug/Kg
C,2,5-Trichlorobenzene	ND	21.	ug/Kg
C,2,5-Trichloropropane	ND	21.	ug/Kg
C,2,4-Trichlorobenzene	ND	21.	ug/Kg
C,2,4-Trimethylbenzene	ND	21.	ug/Kg
C,5-Dichlorobenzene	ND	21.	ug/Kg
C,5-Dichloropropane	ND	21.	ug/Kg
C,5,1-Trimethylbenzene	ND	21.	ug/Kg
C,4-Dichlorobenzene	ND	21.	ug/Kg
2-Butanone	ND	1,. . .	ug/Kg
2-Qhlorotoluene	ND	21.	ug/Kg
2,2-Dichloropropane	ND	21.	ug/Kg
4-Qhlorotoluene	ND	21.	ug/Kg
4-Methyl-2-Pentanone	ND	21.	ug/Kg
Acetone	ND	1,. . .	ug/Kg
Benzene	ND	21.	ug/Kg
Bromobenzene	ND	21.	ug/Kg
Bromochloromethane	ND	21.	ug/Kg
Bromodichloromethane	ND	21.	ug/Kg
Bromoform	ND	21.	ug/Kg
Bromomethane	ND	21.	ug/Kg
Qarbon Tetrachloride	ND	21.	ug/Kg
Qhlorobenzene	ND	21.	ug/Kg
Qhloroethane	ND	21.	ug/Kg
Qhloroform	ND	21.	ug/Kg
Qhloromethane	ND	21.	ug/Kg
cis-C,2-Dichloroethene	ND	21.	ug/Kg
cis-C,5-Dichloropropene	ND	21.	ug/Kg
Dibromochloromethane	ND	21.	ug/Kg
Dibromomethane	ND	21.	ug/Kg
Ethylbenzene	ND	21.	ug/Kg

ENTHALPY ANALYTICAL

Purgeable Organics by GC/MS: Batch QC

Lab #: 487476 **Project#:** C9750 . 5. SC. 6

Client: Roux Associates **Location:** AB&I Foundry

QC1084867 Analyte	Result	RL	Units
Freon CC5	ND	21.	ug/Kg
Freon C2	ND	21.	ug/Kg
Hexachlorobutadiene	ND	21.	ug/Kg
Isopropylbenzene	ND	21.	ug/Kg
Methylene Qhloride	ND	1. .	ug/Kg
MTBE	ND	21.	ug/Kg
n-Butylbenzene	ND	21.	ug/Kg
Naphthalene	ND	21.	ug/Kg
para-Isopropyl Toluene	ND	21.	ug/Kg
Propylbenzene	ND	21.	ug/Kg
sec-Butylbenzene	ND	21.	ug/Kg
Styrene	ND	21.	ug/Kg
tert-Butylbenzene	ND	21.	ug/Kg
Tetrachloroethene	ND	21.	ug/Kg
Toluene	ND	21.	ug/Kg
trans-C,2-Dichloroethene	ND	21.	ug/Kg
trans-C,5-Dichloropropene	ND	21.	ug/Kg
Trichloroethene	ND	21.	ug/Kg
Trichlorofluoromethane	ND	21.	ug/Kg
Vinyl Qhloride	ND	21.	ug/Kg
m,p-Xylenes	ND	1. .	ug/Kg
o-Xylene	ND	21.	ug/Kg

QC1084867 Surrogate	%REC	Limits
Dibromofluoromethane	79	9. -C5.
C,2-Dichloroethane-d4	C. 2	9. -C41
Toluene-d8	79	9. -C41
Bromofluorobenzene	76	9. -C41

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

California Title 22 Metals

Lab #: 638684 **Project#:** 17805 . 0. S1. 4

Client: RoPxsNaaoei9lr a **Location:** ND&lsFoPOv E

Field ID: MW-10-05. **Matrix:** Soil **Sampled:** . 7/01/20

Lab ID: 638684-. . 1 **Basis:** 9as r er icr v **Received:** . 7/01/20

489496-001 Analyte	Result	RL	Units	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis	Analyst
Antimony	**3.8**	. 5 3 8	d A/n A	15 . .	0184t 2	. 3/. 6/20	. 3/. 6/20	my Ns 0. t . D	my Ns 4. 2.	gKy
Arsenic	**65**	. 5 3 8	d A/n A	15 . .	0184t 2	. 3/. 6/20	. 3/. 6/20	my Ns 0. t . D	my Ns 4. 2.	gKy
Barium	**4,600**	2.	d A/n A	2. 5 .	0184t 2	. 3/. 6/20	. 3/. 6/20	my Ns 0. t . D	my Ns 4. 2.	gKy
Dr EliPd	BJ	. 5 3 8	d A/n A	15 . .	0184t 2	. 3/. 6/20	. 3/. 6/20	my Ns 0. t . D	my Ns 4. 2.	gKy
Cadmium	**5.7**	. 5 1 .	d A/n A	15 . .	0184t 2	. 3/. 6/20	. 3/. 6/20	my Ns 0. t . D	my Ns 4. 2.	gKy
Chromium	**81**	. 5 3 8	d A/n A	15 . .	0184t 2	. 3/. 6/20	. 3/. 6/20	my Ns 0. t . D	my Ns 4. 2.	gKy
Cobalt	**6.7**	. 5 3 8	d A/n A	15 . .	0184t 2	. 3/. 6/20	. 3/. 6/20	my Ns 0. t . D	my Ns 4. 2.	gKy
Copper	**61**	. 5 3 8	d A/n A	15 . .	0184t 2	. 3/. 6/20	. 3/. 6/20	my Ns 0. t . D	my Ns 4. 2.	gKy
Lead	**200**	. 5 1 .	d A/n A	15 . .	0184t 2	. 3/. 6/20	. 3/. 6/20	my Ns 0. t . D	my Ns 4. 2.	gKy
Mercury	**0.49**	. 5 1 t	d A/n A	15 . .	018641	. 3/. 2/20	. 3/. 0/20	MmCu TJ	my Ns 7 6 7 1 N	n NM
MolEHvr CPd	BJ	. 5 3 8	d A/n A	15 . .	0184t 2	. 3/. 6/20	. 3/. 6/20	my Ns 0. t . D	my Ns 4. 2.	gKy
Nickel	**25**	. 5 3 8	d A/n A	15 . .	0184t 2	. 3/. 6/20	. 3/. 6/20	my Ns 0. t . D	my Ns 4. 2.	gKy
Selenium	**36**	25	d A/n A	15 . .	0184t 2	. 3/. 6/20	. 3/. 6/20	my Ns 0. t . D	my Ns 4. 2.	gKy
Silcr	BJ	. 5 1 .	d A/n A	15 . .	0184t 2	. 3/. 6/20	. 3/. 6/20	my Ns 0. t . D	my Ns 4. 2.	gKy
Cb9lliPd	BJ	. 5 3 8	d A/n A	15 . .	0184t 2	. 3/. 6/20	. 3/. 6/20	my Ns 0. t . D	my Ns 4. 2.	gKy
Vanadium	**18**	25	d A/n A	15 . .	0184t 2	. 3/. 6/20	. 3/. 6/20	my Ns 0. t . D	my Ns 4. 2.	gKy
Zinc	**200**	t 5	d A/n A	15 . .	0184t 2	. 3/. 6/20	. 3/. 6/20	my Ns 0. t . D	my Ns 4. 2.	gKy

hr Ar Cv

ND: Bols J r Ir e lr v

RL: Rr po LiOAshid iL

ENTHALPY ANALYTICAL

5alifCrnia Title 11 Metals

Lab #: 384349 **PrCject#:** 1/40.SS0So1S9

5lient: Ri ux Assi clates **LCcatiCn:** AB&I Fi undry

Field ID: MW-10-5.S **Matrix:** oil7 **Sampled:** S/201260

Lab ID: 384349-SS6 **Basis:** as recelved **Received:** S/201260

489496-001 Analyte	Result	RL	Units	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis	Analyst
Antlmi ny	ND	S.4/	mg2Kg	1.SSS	014956	S82S3260	S82S3260	EPA 0S5SB	EPA 9S6S	JCP
Arsenic	**o3**	S.4/	mg2Kg	1.SSS	014956	S82S3260	S82S3260	EPA 0S5SB	EPA 9S6S	JCP
Barium	**o.100**	14	mg2Kg	6S.SS	014956	S82S3260	S82S3260	EPA 0S5SB	EPA 9S6S	JCP
Bery7lium	ND	S.4/	mg2Kg	1.SSS	014956	S82S3260	S82S3260	EPA 0S5SB	EPA 9S6S	JCP
5admium	**0,94**	S.34	mg2Kg	1.SSS	014956	S82S3260	S82S3260	EPA 0S5SB	EPA 9S6S	JCP
5hrCmium	**64**	S.4/	mg2Kg	1.SSS	014956	S82S3260	S82S3260	EPA 0S5SB	EPA 9S6S	JCP
5Cbalt	**9,6**	S.4/	mg2Kg	1.SSS	014956	S82S3260	S82S3260	EPA 0S5SB	EPA 9S6S	JCP
5Cpper	**70**	S.4/	mg2Kg	1.SSS	014956	S82S3260	S82S3260	EPA 0S5SB	EPA 9S6S	JCP
Lead	**77**	S.34	mg2Kg	1.SSS	014956	S82S3260	S82S3260	EPA 0S5SB	EPA 9S6S	JCP
Mercury	ND	S.19	mg2Kg	1.SSS	0143/1	S82S6260	S82S6260	METHOD	EPA/3/1A	KAM
Mi 7ybdenum	ND	S.4/	mg2Kg	1.SSS	014956	S82S3260	S82S3260	EPA 0S5SB	EPA 9S6S	JCP
2icNel	**31**	S.4/	mg2Kg	1.SSS	014956	S82S3260	S82S3260	EPA 0S5SB	EPA 9S6S	JCP
Selenium	**3,6**	1.4	mg2Kg	1.SSS	014956	S82S3260	S82S3260	EPA 0S5SB	EPA 9S6S	JCP
olZver	ND	S.34	mg2Kg	1.SSS	014956	S82S3260	S82S3260	EPA 0S5SB	EPA 9S6S	JCP
Tha7lium	ND	S.4/	mg2Kg	1.SSS	014956	S82S3260	S82S3260	EPA 0S5SB	EPA 9S6S	JCP
kanadium	**4V**	1.4	mg2Kg	1.SSS	014956	S82S3260	S82S3260	EPA 0S5SB	EPA 9S6S	JCP
Zinc	**8o**	3.4	mg2Kg	1.SSS	014956	S82S3260	S82S3260	EPA 0S5SB	EPA 9S6S	JCP

Legend

2D: Ni t Detected

RL: Repi rtlng LImIt

ENTHALPY ANALYTICAL

6alifCBPia Title . . Lebalt

map U: s rsr5 **hBCjexlU:** 14r0.SS0Se1S5

6liePb: RcuxIdiic26m/i **mCxabiCP:** dB&llFcuA87m

Field ID: MW-10-5.S **Matit:** oil7/2/63/8 **rexeiSed:** S49019a0

map ID: s rsr5-SS0 **DilP Fax:** 1.SSS

LabBs: ec6v **Rac vled:** S49019a0

AnyAyz4889 2Pal-be	ret0lb	rm 1Pibt	MabxuU	hBevaBed	2Pal-#ed	hBev	2Pal-tit	2Pal-tb
dAn6 cAm	yN	S.r4 t D9gD	01r5Ka	S 9Ss9a0	S 9Ss9a0	EPdl0SKSB	EPdl5SaS	JCP
2BtePix	**z7y**	S.r4 t D9gD	01r5Ka	S 9Ss9a0	S 9Ss9a0	EPdl0SKSB	EPdl5SaS	JCP
MaB0c	**9.8**	S.r4 t D9gD	01r5Ka	S 9Ss9a0	S 9Ss9a0	EPdl0SKSB	EPdl5SaS	JCP
B/7mw6ut	yN	S.r4 t D9gD	01r5Ka	S 9Ss9a0	S 9Ss9a0	EPdl0SKSB	EPdl5SaS	JCP
Co8t 6ut	yN	S.sr t D9gD	01r5Ka	S 9Ss9a0	S 9Ss9a0	EPdl0SKSB	EPdl5SaS	JCP
6uBCc i0c	**zo**	S.r4 t D9gD	01r5Ka	S 9Ss9a0	S 9Ss9a0	EPdl0SKSB	EPdl5SaS	JCP
6Cpalb	**39**	S.r4 t D9gD	01r5Ka	S 9Ss9a0	S 9Ss9a0	EPdl0SKSB	EPdl5SaS	JCP
6CvveB	**9.**	S.r4 t D9gD	01r5Ka	S 9Ss9a0	S 9Ss9a0	EPdl0SKSB	EPdl5SaS	JCP
mead	**3A**	S.sr t D9gD	01r5Ka	S 9Ss9a0	S 9Ss9a0	EPdl0SKSB	EPdl5SaS	JCP
M/72u7m	yN	S.1K t D9gD	01rs41	S 9Sa9a0	S 9Sa9a0	METHON	EPdl4s41d	gdM
Mcvmb8/Aut	yN	S.r4 t D9gD	01r5Ka	S 9Ss9a0	S 9Ss9a0	EPdl0SKSB	EPdl5SaS	JCP
Nixkel	**on**	S.r4 t D9gD	01r5Ka	S 9Ss9a0	S 9Ss9a0	EPdl0SKSB	EPdl5SaS	JCP
e/vA6ut	yN	1.r t D9gD	01r5Ka	S 9Ss9a0	S 9Ss9a0	EPdl0SKSB	EPdl5SaS	JCP
e68/7	yN	S.sr t D9gD	01r5Ka	S 9Ss9a0	S 9Ss9a0	EPdl0SKSB	EPdl5SaS	JCP
Thow6ut	yN	S.r4 t D9gD	01r5Ka	S 9Ss9a0	S 9Ss9a0	EPdl0SKSB	EPdl5SaS	JCP
5aPadi0c	**zV**	1.r t D9gD	01r5Ka	S 9Ss9a0	S 9Ss9a0	EPdl0SKSB	EPdl5SaS	JCP
ZiPx	**zz**	s.r t D9gD	01r5Ka	S 9Ss9a0	S 9Ss9a0	EPdl0SKSB	EPdl5SaS	JCP

L/D'A8

ND: ycrlN/ri2ri8

rm: R/pc7r6ADLGi6n

ENTHALPY ANALYTICAL

Califopnia Tirle 33 P erals

Lab u: as a r
Upojecru: 18 0.5505e15r
Clienr: Rcuxidooc/2Sn7o
Locarion: dB&liFcuA3Im

Field ID: MW-10-15.5
Basis: Soil7/72673
Received: 58401490
Lab ID: as a r-55a
Diln Fac: 1.555
P arpiM ec2v
t ax Sled: 58401490

mAymyz4B8m9 nal2re	Res- lr	RL	0 nirs	Barc1u	UpeSaped	9 nal2hed	UpeS	9 nal2sis	9 nal2sr
dAn2 cAm	y N	5. r t	D4gD	01 rK9	5s45a490	5s45a490	EPdi05K5B	EPdir 595	JCP
9 psenic	**#6**	5. r t	D4gD	01 rK9	5s45a490	5s45a490	EPdi05K5B	EPdir 595	JCP
Bapi- x	**3. 8**	5. r t	D4gD	01 rK9	5s45a490	5s45a490	EPdi05K5B	EPdir 595	JCP
B7Imw2ut	y N	5. r t	D4gD	01 rK9	5s45a490	5s45a490	EPdi05K5B	EPdir 595	JCP
CS3t 2ut	y N	5.as t	D4gD	01 rK9	5s45a490	5s45a490	EPdi05K5B	EPdir 595	JCP
C1pox i- x	**#y**	5. r t	D4gD	01 rK9	5s45a490	5s45a490	EPdi05K5B	EPdir 595	JCP
Cobalr	**. .**	5. r t	D4gD	01 rK9	5s45a490	5s45a490	EPdi05K5B	EPdir 595	JCP
CoSSep	**3y**	5. r t	D4gD	01 rK9	5s45a490	5s45a490	EPdi05K5B	EPdir 595	JCP
Lead	**56**	5.as t	D4gD	01 rK9	5s45a490	5s45a490	EPdi05K5B	EPdir 595	JCP
M7l/ulm	y N	5.1a t	D4gD	01 a81	5s459490	5s459490	METHON	EPdi8a81d	gdM
Mcvmb37Aut	y N	5. r t	D4gD	01 rK9	5s45a490	5s45a490	EPdi05K5B	EPdir 595	JCP
Nickel	**m#**	5. r t	D4gD	01 rK9	5s45a490	5s45a490	EPdi05K5B	EPdir 595	JCP
e7v7A2ut	y N	1. t	D4gD	01 rK9	5s45a490	5s45a490	EPdi05K5B	EPdir 595	JCP
e2367l	y N	5.as t	D4gD	01 rK9	5s45a490	5s45a490	EPdi05K5B	EPdir 595	JCP
ThSw2ut	y N	5. r t	D4gD	01 rK9	5s45a490	5s45a490	EPdi05K5B	EPdir 595	JCP
Vanadi- x	**#3**	1. t	D4gD	01 rK9	5s45a490	5s45a490	EPdi05K5B	EPdir 595	JCP
Zinc	**#3**	a.s t	D4gD	01 rK9	5s45a490	5s45a490	EPdi05K5B	EPdir 595	JCP

L7D7A3

ND: y criN7r7/r73

RL: R7pcl r2ADL2 2n

ENTHALPY ANALYTICAL

Califopnia Tirle 33 Perals

Lab U: s r sr e **hpojecrU:** 14r 0.SS0Sc 1Se

Clienr: RvuxlAi i v26ot/ i **Locarion:** AB&llFvun87y

Field ID: MW-10-15.S **Basis:** oi l7/ 2/ 63/ 8 **Received:** S49019a0

Lab ID: s r sr e-SS5 **Diln Fac:** 1.SSS

ParpiM c v6l **t ax Sled:** S49019a0

mAymyz4889 2nal- re	Res0lr	RL	1nirs	BarcuU	hpeSaped	2nal- #ed	hpeS	2nal- sis	2nal- sr
Ant6mvny	ND	S.r 4	mg9Kg	01r e5a	S 9Ss9a0	S 9Ss9a0	EPAI0S5SB	EPAIeSaS	JCP
2psenic	**6.A**	S.r 4	mg9Kg	01r e5a	S 9Ss9a0	S 9Ss9a0	EPAI0S5SB	EPAIeSaS	JCP
Bapi0x	**388**	S.r 4	mg9Kg	01r e5a	S 9Ss9a0	S 9Ss9a0	EPAI0S5SB	EPAIeSaS	JCP
B/ 7ydd6um	ND	S.r 4	mg9Kg	01r e5a	S 9Ss9a0	S 9Ss9a0	EPAI0S5SB	EPAIeSaS	JCP
Co8m6um	ND	S.sr	mg9Kg	01r e5a	S 9Ss9a0	S 9Ss9a0	EPAI0S5SB	EPAIeSaS	JCP
Cupox i0x	**96**	S.r 4	mg9Kg	01r e5a	S 9Ss9a0	S 9Ss9a0	EPAI0S5SB	EPAIeSaS	JCP
Cobalr	**5m**	S.r 4	mg9Kg	01r e5a	S 9Ss9a0	S 9Ss9a0	EPAI0S5SB	EPAIeSaS	JCP
CoSSep	**3m**	S.r 4	mg9Kg	01r e5a	S 9Ss9a0	S 9Ss9a0	EPAI0S5SB	EPAIeSaS	JCP
Lead	**z.A**	S.sr	mg9Kg	01r e5a	S 9Ss9a0	S 9Ss9a0	EPAI0S5SB	EPAIeSaS	JCP
M/ 72u7y	ND	S.1e	mg9Kg	01r s41	S 9Sa9a0	S 9Sa9a0	METHOD	EPAI4s41A	KAM
Mvdyb8/ num	ND	S.r 4	mg9Kg	01r e5a	S 9Ss9a0	S 9Ss9a0	EPAI0S5SB	EPAIeSaS	JCP
Nickel	**9y**	S.r 4	mg9Kg	01r e5a	S 9Ss9a0	S 9Ss9a0	EPAI0S5SB	EPAIeSaS	JCP
c/ dn6um	ND	1.r	mg9Kg	01r e5a	S 9Ss9a0	S 9Ss9a0	EPAI0S5SB	EPAIeSaS	JCP
c6s8/ 7	ND	S.sr	mg9Kg	01r e5a	S 9Ss9a0	S 9Ss9a0	EPAI0S5SB	EPAIeSaS	JCP
Thodd6um	ND	S.r 4	mg9Kg	01r e5a	S 9Ss9a0	S 9Ss9a0	EPAI0S5SB	EPAIeSaS	JCP
Vanadi0x	**6A**	1.r	mg9Kg	01r e5a	S 9Ss9a0	S 9Ss9a0	EPAI0S5SB	EPAIeSaS	JCP
Zinc	**9A**	s.r	mg9Kg	01r e5a	S 9Ss9a0	S 9Ss9a0	EPAI0S5SB	EPAIeSaS	JCP

L/ g/ n8

ND: NvtID/ t/ 2t/ 8

RL: R/ pv7t6ngIL6m6

ENTHALPY ANALYTICAL

. alif3pnia Tirle oo P erals

Lab u: as a r
Up3jecru: 14 0S . 0. e 1. r
. lienr: RcuxIdi i c26on/i
L3cari3n: dB&llFcuA87m

Field ID: MW-10-5. S
Basis: oil 7/ 2/ 63/ 8
Received: . 490195 0
Lab ID: as a r-. . r
Diln Fac: 1S . .
P arpiM ec6v
t ax Sled: . 490195 0

mAymyz4B8z 9 nal2re	Res- lr	RL 0 nirs	Barc1u	UpeSaped	9 nal2hed	UpeS	9 nal2sis	9 nal2sr
dAn6 cAm	y N	. S D t g9Kg	01 r D5	. s9 a95 0	. s9 a95 0	EPdI0. D. B	EPdIr . 5.	JCP
9 psenic	**#6y**	. S D t g9Kg	01 r D5	. s9 a95 0	. s9 a95 0	EPdI0. D. B	EPdIr . 5.	JCP
Bapi- x	**#A8**	. S D t g9Kg	01 r D5	. s9 a95 0	. s9 a95 0	EPdI0. D. B	EPdIr . 5.	JCP
B/ 7mw6ut	y N	. S D t g9Kg	01 r D5	. s9 a95 0	. s9 a95 0	EPdI0. D. B	EPdIr . 5.	JCP
. adx i- x	**86mA**	. Sas t g9Kg	01 r D5	. s9 a95 0	. s9 a95 0	EPdI0. D. B	EPdIr . 5.	JCP
. 1p3x i- x	**C#**	. S D t g9Kg	01 r D5	. s9 a95 0	. s9 a95 0	EPdI0. D. B	EPdIr . 5.	JCP
. 3balr	**#o**	. S D t g9Kg	01 r D5	. s9 a95 0	. s9 a95 0	EPdI0. D. B	EPdIr . 5.	JCP
. 3SSep	**oC**	. S D t g9Kg	01 r D5	. s9 a95 0	. s9 a95 0	EPdI0. D. B	EPdIr . 5.	JCP
Lead	**C65**	. Sas t g9Kg	01 r D5	. s9 a95 0	. s9 a95 0	EPdI0. D. B	EPdIr . 5.	JCP
M/ 72u7m	y N	. Sla t g9Kg	01 a41	. s9 595 0	. s9 595 0	METHON	EPdI4a41d	KdM
Mcvmb8/ Aut	y N	. S D t g9Kg	01 r D5	. s9 a95 0	. s9 a95 0	EPdI0. D. B	EPdIr . 5.	JCP
Nickel	**Cm**	. S D t g9Kg	01 r D5	. s9 a95 0	. s9 a95 0	EPdI0. D. B	EPdIr . 5.	JCP
e/ v A6ut	y N	1S t g9Kg	01 r D5	. s9 a95 0	. s9 a95 0	EPdI0. D. B	EPdIr . 5.	JCP
e68/ 7	y N	. Sas t g9Kg	01 r D5	. s9 a95 0	. s9 a95 0	EPdI0. D. B	EPdIr . 5.	JCP
Thow6ut	y N	. S D t g9Kg	01 r D5	. s9 a95 0	. s9 a95 0	EPdI0. D. B	EPdIr . 5.	JCP
Vanadi- x	**55**	1S t g9Kg	01 r D5	. s9 a95 0	. s9 a95 0	EPdI0. D. B	EPdIr . 5.	JCP
Zinc	**C5**	aS t g9Kg	01 r D5	. s9 a95 0	. s9 a95 0	EPdI0. D. B	EPdIr . 5.	JCP

L/ g/ A8

ND: y crIN/ ri2ri 8

RL: R/ pc7r6AgIL6 6n

ENTHALPY ANALYTICAL

California Title 99 Metals: Batch QC

Lab #: 489496 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: BLANK **Batch#:** 319461 **Analysis:** EPA 7471A

Lab ID: QC1083923 **Prepared:** 08/02/23 **Analyst:** KAM

Matrix: Soil **Analyzed:** 08/03/23

DilIn Fac: 1.000 **Prep:** METHOD

QC1083293 Analyte	Result	RL	Units
Mercury	ND	0.14	mg/Kg

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 489496 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: LCS **Batch#:** 319461 **Analysis:** EPA 7471A

Lab ID: QC1083924 **Prepared:** 08/02/23 **Analyst:** KAM

Matrix: Soil **Analyzed:** 08/03/23

DilIn Fac: 1.000 **Prep:** METHOD

QC1083924 Analyte	Spiked	Result	%REC	Limits	Units
Mercury	0.8333	0.8624	103	80-120	mg/Kg

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 47848E **Project#:** Sl 81.0010MS0E

Client: n f yx o ssf cia Rs **Location:** o B&I Ff yLdr5

Field ID:	ZZZZZZZZZZ	**Basis:**	as received	**Prepared:**	07/03/31
Type:	2 M	**Diln Fac:**	S.000	**Analyzed:**	07/01/31
MSS Lab ID:	478993-00S	**Batch#:**	1S84ES	**Prep:**	2 THODQ
Lab ID:	CPS071839	**Sampled:**	07/0S/31	**Analysis:**	TAo I 4I So
Matrix:	2 iscelKK	**Received:**	07/0S/31	**Analyst:**	u o2

QC1083925 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
2 ercyr5	0.0E389	0.8ES9	0.7E31	71	I 9-S39	6 m/um

Field ID:	ZZZZZZZZZZ	**Basis:**	as received	**Prepared:**	07/03/31
Type:	2 MQ	**Diln Fac:**	S.000	**Analyzed:**	07/01/31
MSS Lab ID:	478993-00S	**Batch#:**	1S84ES	**Prep:**	2 THODQ
Lab ID:	CPS07183E	**Sampled:**	07/0S/31	**Analysis:**	TAo I 4I So
Matrix:	2 iscelKK	**Received:**	07/0S/31	**Analyst:**	u o2

QC1083926 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
2 ercyr5	0.8ES9	0.8304	78	I 9-S39	6 m/um	I	30

gen=eLd

RPD: n ek4Rve AerceLRQittereLce

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 409498		**Project#:** 1693.CC3CS1C8	
Client: Roux Associates		**Location:** AB&I Foundry	
Type: BLANK	**Batch#:** 319461	**Analysis:** EPA 6461A	
Lab ID: 7Q1C03984	**Prepared:** C02C/2/3	**Analyst:** KAM	
Matrix: Soil	**Analyzed:** C02C/2/3		
DilnFac: 1.CCC	**Prep:** METHOD		

QC1083964 Analyte	Result	RL	Units
Mercury	ND	C.14	mg2Kg

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 489492 **Project#:** 1E93T0030S102

Client: Ri yx7 ssi ulatr s **Location:** B&I7Fi yndc6

Type: LCS **Batch#:** 3194E1 **Analysis:** PA 7E4E1

Lab ID: QC1083925 **Prepared:** 08/0K/K3 **Analyst:** M o

Matrix: Si l. **Analyzed:** 08/0K/K3

DilIn Fac: 1T000 **Prep:** o PHODe

QC1083965 Analyte	Spiked	Result	%REC	Limits	Units
o r cuyc6	0T3333	0T3504	10K	80-1K0	mg/Mg

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: S/4S49 **Project#:** 1E40.aa0a31a9

Client: RouxrA oi vstc **Location:** AB&IrFoun7ey

Field ID:	MW-10-5.a	**Basis:**	s reci cvdc7	**Prepared:**	a/2a8280
Type:	M3	**Diln Fac:**	1.aaa	**Analyzed:**	a/2a8280
MSS Lab ID:	S/4S49-aa8	**Batch#:**	014SE1	**Prep:**	MTHODQ
Lab ID:	C61a/0499	**Sampled:**	aE201280	**Analysis:**	TPArESE1A
Matrix:	3ovl	**Received:**	aE201280	**Analyst:**	KAM

QC1083966 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
Mceiuey	a.1188	a.4854	1.a8E	44	E5-185	mg2Kg

Field ID:	MW-10-5.a	**Basis:**	s reci cvdc7	**Prepared:**	a/2a8280
Type:	M3Q	**Diln Fac:**	1.aaa	**Analyzed:**	a/2a8280
MSS Lab ID:	S/4S49-aa8	**Batch#:**	014SE1	**Prep:**	MTHODQ
Lab ID:	C61a/049E	**Sampled:**	aE201280	**Analysis:**	TPArESE1A
Matrix:	3ovl	**Received:**	aE201280	**Analyst:**	KAM

QC1083967 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Mceiuey	a.4854	1.a11	4E	E5-185	mg2Kg	8	8a

Lcgcn7

RPD: RclstvdcrPcei cntrQvffcecni c

California Title 22 Metals: Batch QC

Lab #: 75979E **Project#:** 1493.QQ3QS1QE

Client: Roux2Associates **Location:** AB&I2Foundry

Type: BLANK **Batch#:** 319EP **Analysis:** 60A2EQ Q

Lab ID: C81Q57P53 **Prepared:** Q5/Q7/ 3 **Analyst:** J80

Matrix: Soil **Analyzed:** Q5/Q7/ 3

DiIn Fac: 1.QQQ **Prep:** 60A23QPQB

QC1084583 Analyte	Result	RL	Units
Antimony	ND	1.Q	mg/Kg
Arsenic	ND	1.Q	mg/Kg
Barium	ND	1.Q	mg/Kg
Beryllium	ND	1.Q	mg/Kg
8admium	ND	Q.PQ	mg/Kg
8hromium	ND	1.Q	mg/Kg
8obalt	ND	1.Q	mg/Kg
8opper	ND	1.Q	mg/Kg
Lead	ND	Q.PQ	mg/Kg
Molybdenum	ND	1.Q	mg/Kg
Nickel	ND	1.Q	mg/Kg
Selenium	ND	.Q	mg/Kg
Silver	ND	Q.PQ	mg/Kg
Thallium	ND	1.Q	mg/Kg
Vanadium	ND	.Q	mg/Kg
Zinc	ND	P.Q	mg/Kg

Legend

ND: Not2Detected

RL: Reporting2Limit

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: / 79/ 9E **Project#:** 1c935QQ3QS1QE

Client: Ri ux2Orri elatsr **Location:** 0B&l2Fi undKy

Type: LCS **Batch#:** 319EPA **Analysis:** 602EQAQ

Lab ID: 8C1Q7/ P7/ **Prepared:** Q7JQ/JA3 **Analyst:** oC6

Matrix: Si l. **Analyzed:** Q7JQ/JA3

DiIn Fac: 15QQQ **Prep:** 6023QPQB

QC1084584 Analyte	Spiked	Result	%REC	Limits	Units
0ntlmi ny	1QQ5Q	9/57P	9P	7Q41AQ	m-Jg-
0Ksnle	1QQ5Q	9c59P	97	7Q41AQ	m-Jg-
Bakum	1QQ5Q	975P9	99	7Q41AQ	m-Jg-
BsKy..lum	1QQ5Q	9c59Q	97	7Q41AQ	m-Jg-
Cadmlum	1QQ5Q	1QQ5E	1Q1	7Q41AQ	m-Jg-
ChK mlum	1QQ5Q	1Q15c	1QA	7Q41AQ	m-Jg-
Ci ba.t	1QQ5Q	1Qc5Q	1Qc	7Q41AQ	m-Jg-
Ci ppsK	1QQ5Q	1Q357	1Q/	7Q41AQ	m-Jg-
Lsad	1QQ5Q	1QQ5A	1QQ	7Q41AQ	m-Jg-
Mi .ybdsnum	1QQ5Q	935PA	9/	7Q41AQ	m-Jg-
Nleks.	1QQ5Q	1QE5A	1QE	7Q41AQ	m-Jg-
Ss.snlum	1QQ5Q	9P57E	9P	7Q41AQ	m-Jg-
Sl.vsK	PQ5QQ	P15A3	1QA	7Q41AQ	m-Jg-
Tha..lum	1QQ5Q	9c5P9	97	7Q41AQ	m-Jg-
Vanadlum	1QQ5Q	1QQ5E	1Q1	7Q41AQ	m-Jg-
Zlne	1QQ5Q	1Q/5Q	1Q/	7Q41AQ	m-Jg-

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 489496 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-13-3.0 **Basis:** as received **Analyzed:** 08/04/23

Type: MS **Batch#:** 319652 **Prep:** EPA 3050B

MSS Lab ID: 489496-001 **Sampled:** 07/31/23 **Analysis:** EPA 6020

Lab ID: QC1084585 **Received:** 07/31/23 **Analyst:** JCP

Matrix: Soil **Prepared:** 08/04/23

QC1084585 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units	Diln Fac	Qual
Antimony	3.800	99.01	44.98	42 *	75-125	mg/Kg	1.000	
Arsenic	64.61	99.01	170.9	107	75-125	mg/Kg	1.000	
Barium	4,643	99.01	4,571	-73	75-125	mg/Kg	20.00	NM
Beryllium	<0.3965	99.01	96.63	98	75-125	mg/Kg	1.000	
Cadmium	5.708	99.01	106.4	102	75-125	mg/Kg	1.000	
Chromium	81.08	99.01	178.9	99	75-125	mg/Kg	1.000	
Cobalt	6.703	99.01	108.5	103	75-125	mg/Kg	1.000	
Copper	60.95	99.01	153.3	93	75-125	mg/Kg	1.000	
Lead	195.5	99.01	294.9	100	75-125	mg/Kg	1.000	
Molybdenum	0.6253	99.01	88.93	89	75-125	mg/Kg	1.000	
Nickel	25.39	99.01	127.0	103	75-125	mg/Kg	1.000	
Selenium	35.53	99.01	128.4	94	75-125	mg/Kg	1.000	
Silver	0.4029	49.50	50.41	101	75-125	mg/Kg	1.000	
Thallium	<0.4648	99.01	95.15	96	75-125	mg/Kg	1.000	
Vanadium	17.69	99.01	119.4	103	75-125	mg/Kg	1.000	
Zinc	201.5	99.01	339.4	139 *	75-125	mg/Kg	1.000	

Field ID: MW-13-3.0 **Basis:** as received **Analyzed:** 08/04/23

Type: MSD **Batch#:** 319652 **Prep:** EPA 3050B

MSS Lab ID: 489496-001 **Sampled:** 07/31/23 **Analysis:** EPA 6020

Lab ID: QC1084586 **Received:** 07/31/23 **Analyst:** JCP

Matrix: Soil **Prepared:** 08/04/23

QC1084586 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim	Diln Fac	Qual
Antimony	95.24	44.17	42 *	75-125	mg/Kg	2	20	1.000	
Arsenic	95.24	188.9	131 *	75-125	mg/Kg	12	20	1.000	
Barium	95.24	4,661	19	75-125	mg/Kg	2	20	20.00	NM
Beryllium	95.24	94.12	99	75-125	mg/Kg	1	20	1.000	
Cadmium	95.24	103.7	103	75-125	mg/Kg	1	20	1.000	
Chromium	95.24	227.4	154 *	75-125	mg/Kg	26 *	20	1.000	
Cobalt	95.24	105.0	103	75-125	mg/Kg	0	20	1.000	
Copper	95.24	192.8	138 *	75-125	mg/Kg	25 *	20	1.000	
Lead	95.24	275.6	84	75-125	mg/Kg	5	20	1.000	
Molybdenum	95.24	87.52	91	75-125	mg/Kg	2	20	1.000	
Nickel	95.24	123.5	103	75-125	mg/Kg	0	20	1.000	
Selenium	95.24	130.0	99	75-125	mg/Kg	4	20	1.000	
Silver	47.62	49.06	102	75-125	mg/Kg	1	20	1.000	
Thallium	95.24	92.75	97	75-125	mg/Kg	1	20	1.000	
Vanadium	95.24	114.5	102	75-125	mg/Kg	1	20	1.000	
Zinc	95.24	305.7	109	75-125	mg/Kg	9	20	1.000	

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 489496 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Legend

*: Value is outside QC limits

NM: Not Meaningful

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 489496 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-13-3.0 **Basis:** as received **Prep:** EPA 3050B

Type: Post Digest Spike **Batch#:** 319652 **Analysis:** EPA 6020

MSS Lab ID: 489496-001 **Sampled:** 07/31/23 **Analyst:** JCP

Lab ID: QC1084679 **Received:** 07/31/23

Matrix: Soil **Analyzed:** 08/04/23

QC1084679 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units	Diln Fac	Qual
Antimony	3.800	99.01	98.52	96	75-125	mg/Kg	1.000	
Arsenic	64.61	99.01	164.2	101	75-125	mg/Kg	1.000	
Barium	4,643	99.01	4,727	84	75-125	mg/Kg	20.00	NM
Beryllium	<0.3965	99.01	98.57	100	75-125	mg/Kg	1.000	
Cadmium	5.708	99.01	107.3	103	75-125	mg/Kg	1.000	
Chromium	81.08	99.01	180.2	100	75-125	mg/Kg	1.000	
Cobalt	6.703	99.01	111.4	106	75-125	mg/Kg	1.000	
Copper	60.95	99.01	162.1	102	75-125	mg/Kg	1.000	
Lead	195.5	99.01	297.7	103	75-125	mg/Kg	1.000	
Molybdenum	0.6253	99.01	96.76	97	75-125	mg/Kg	1.000	
Nickel	25.39	99.01	128.4	104	75-125	mg/Kg	1.000	
Selenium	35.53	99.01	137.4	103	75-125	mg/Kg	1.000	
Silver	0.4029	49.50	49.20	99	75-125	mg/Kg	1.000	
Thallium	<0.4648	99.01	99.29	100	75-125	mg/Kg	1.000	
Vanadium	17.69	99.01	117.3	101	75-125	mg/Kg	1.000	
Zinc	201.5	99.01	308.3	108	75-125	mg/Kg	1.000	

Legend

NM: Not Meaningful

Enthalpy Analytical
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Orange, CA 92868
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enthalpy.com

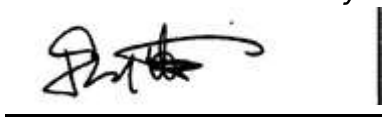
Lab Job Number: 490121
Report Level: II
Report Date: 08/16/2023

Analytical Report *prepared for:*

Harold Rush
Roux Associates
555 12th Street
Suite 250
Oakland, CA 94607

Project: 1793.0030S106 - AB&I Foundry

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Harold Rush Roux Associates 555 12th Street Suite 250 Oakland, CA 94607		Lab Job #: Project No: Location: Date Received:	490121 1793.0030S106 AB&I Foundry 08/09/23

Sample ID	Lab ID	Collected	Matrix
MW-10	490121-001	08/09/23 13:30	Water
MW-11	490121-002	08/09/23 12:52	Water
MW-12	490121-003	08/09/23 12:14	Water
MW-13	490121-004	08/09/23 11:33	Water
MW-14	490121-005	08/09/23 12:36	Water
MW-15	490121-006	08/09/23 13:43	Water
MW-16	490121-007	08/09/23 14:30	Water
MW-17	490121-008	08/09/23 14:04	Water

ENTHALPY ANALYTICAL

Case Narrative

Roux Associates 555 12th Street Suite 250 Oakland, CA 94607 Marold Rush	waL boL J uNLerm490121 : ro&ect J om179Pj00P0S106 wocationmA3. B&oundrI F ate Receiyedm0DV09v2P

/ his data Tackape contains saNTle and g C results Qor eipht f ater saNTles, requested Qor the aLoye reQerenced Tro&ct on 0DV09v2Pj / he saNTles f ere receiyed cold and intactj

TPH-Extractables by GC (EPA 8015B):
Jo anall tical TroLleNs f ere encounteredj

Volatile Organics by GC/MS (EPA 8260B):
Jo anall tical TroLleNs f ere encounteredj

Semivolatile Organics by GC/MS SIM (EPA 8270C-SIM):
Jo anall tical TroLleNs f ere encounteredj

Pesticides (EPA 8081A):
Jo anall tical TroLleNs f ere encounteredj

PCBs (EPA 8082):
Jo anall tical TroLleNs f ere encounteredj

Metals (EPA 6010B and EPA 7470A) Water:
Jo anall tical TroLleNs f ere encounteredj

Metals (EPA 6010B and EPA 7470A) Filtrate:

- wof recoyeries f ere oLseryed Qor silyer and NoII LdenuN in the WSvWSF oQW- (11 #aL) 490121(002;Hthe wCS f as f ithin liNits, and the associated R: Fs f ere f ithin liNitsj
- wof recoyeries f ere oLseryed Qor Nercurl in the WSvWSF oQW- (10 #aL) 490121(001;Hthe wCS f as f ithin liNits, and the associated R: F f as f ithin liNitsj
- Jo other anall tical TroLleNs f ere encounteredj

Hexavalent Chromium by Ion Chromatograph (EPA 218.6):
Jo anall tical TroLleNs f ere encounteredj

ENTHALPY ANALYTICAL

DeGe2G9/ Si mmay6

Harold Rush
Roux Associates
555 12th Street
Suite 250
Oakland, CA 94607

Lab Job #: 490121
Project No: 1793.0030S106
Location: AB&I Foundry
Date Received: 08/09/23

Sample ID: MW-10	5a. ID: Lb0141-001	89Ile2Ge o: 0ct0bt4d 1d:d0

Lb0141-001 7/ al6Ge		3eri IC	xi al	A/ nC	35	MaGynR
Method: EPA 6010B Prep Method: EPA 3010A						
	Arsenic	d1		ug/L	10	Water
	Barium	1sl00		ug/L	10	Water
	Beryllium	4uL		ug/L	1.0	Water
	Chromium	4Q0		ug/L	10	Water
	Cobalt	Uc		ug/L	5.0	Water
	Copper	1L0		ug/L	10	Water
	Lead	, L		ug/L	10	Water
	Nickel	dd0		ug/L	10	Water
	Vanadium	4, 0		ug/L	5.0	Water
	Zinc	4c0		ug/L	50	Water
Method: EPA 6010B Prep Method: METHOD						
	Arsenic	1U		ug/L	10	Filtrate
	Barium	Ub		ug/L	10	Filtrate
	Molybdenum	14		ug/L	10	Filtrate

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ENTHALPY ANALYTICAL

DeGe2G9/ Si mmay6

Sample ID: MW-11	5a. ID: Lb0141-004	89Ile2Ge o: 0ct0bt4d 14:U4

Lb0141-004 7/ al6Ge	3eri IC	xi al	A/ nC	35	MaGynR
Method: EPA 6010B Prep Method: EPA 3010A					
Barium	1L0		ug/L	10	Water
Chromium	1c		ug/L	10	Water
Copper	10		ug/L	10	Water
Molybdenum	1U		ug/L	10	Water
Nickel	4L		ug/L	10	Water
Vanadium	44		ug/L	5.0	Water
Method: EPA 6010B Prep Method: METHOD					
Barium	, U		ug/L	10	Filtrate
Vanadium	Q.0		ug/L	5.0	Filtrate
Method: EPA 8015B Prep Method: EPA 3510C					
Diesel C10-C28	1b0		ug/L	100	Water
Method: EPA 8260B Prep Method: EPA 5030B					
TPH Gasoline	1s100		ug/L	50	Water
1,2-Dichloroethane	0uc		ug/L	0.5	Water
Ethylbenzene	4ud		ug/L	0.5	Water
Isopropylbenzene	Lub		ug/L	0.5	Water
n-Butylbenzene	1uU		ug/L	0.5	Water
Naphthalene	Lu4		ug/L	2.0	Water
Propylbenzene	cuQ		ug/L	0.5	Water
sec-Butylbenzene	1uQ		ug/L	0.5	Water
tert-Butylbenzene	1u4		ug/L	0.5	Water
Method: EPA 8270C-SIM Prep Method: EPA 3510C					
1-Methylnaphthalene	QL		ug/L	0.52	Water
2-Methylnaphthalene	LuL		ug/L	0.52	Water
Naphthalene	4uc		ug/L	0.52	Water

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ENTHALPY ANALYTICAL

DeGe2G9/ Si mmay6

Sample ID: MW-14	5a. ID: Lb0141-00d	89Ile2Ge o: 0ct0bt4d 14:1L

Lb0141-00d 7/ al6Ge	3eri IC	xi al	A/ nG	35	MaGynR
Method: EPA 6010B Prep Method: EPA 3010A					
Barium	1L0		ug/L	10	Water
Nickel	1L		ug/L	10	Water
Vanadium	bub		ug/L	5.0	Water
Method: EPA 6010B Prep Method: METHOD					
Barium	140		ug/L	10	Filtrate
Vanadium	UuQ		ug/L	5.0	Filtrate
Method: EPA 8260B Prep Method: EPA 5030B					
1,1-Dichloroethane	du4		ug/L	0.5	Water
1,1-Dichloroethene	400		ug/L	0.5	Water
cis-1,2-Dichloroethene	4ub		ug/L	0.5	Water
Vinyl Chloride	4ub		ug/L	0.5	Water

Sample ID: MW-1d	5a. ID: Lb0141-00L	89Ile2Ge o: 0ct0bt4d 11:dd

Lb0141-00L 7/ al6Ge	3eri IC	xi al	A/ nG	35	MaGynR
Method: EPA 6010B Prep Method: EPA 3010A					
Barium	4L0		ug/L	10	Water
Chromium	40		ug/L	10	Water
Nickel	4Q		ug/L	10	Water
Vanadium	1Q		ug/L	5.0	Water
Method: EPA 6010B Prep Method: METHOD					
Barium	400		ug/L	10	Filtrate
Method: EPA 8015B Prep Method: EPA 3510C					
Diesel C10-C28	4L0		ug/L	95	Water
Method: EPA 8260B Prep Method: EPA 5030B					
TPH Gasoline	140		ug/L	50	Water
Method: EPA 8270C-SIM Prep Method: EPA 3510C					
1-Methylnaphthalene	1u4		ug/L	0.48	Water
2-Methylnaphthalene	0ub4		ug/L	0.48	Water

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ENTHALPY ANALYTICAL

DeG e2C09/ Si mmay6

Sample ID: MW-1L	5a. ID: Lb0141-00U	89Ile2Ge o: 0ct0bt4d 14:d,

Lb0141-00U7/ al6Ge		3eri IC	xi al	A/ rG	35	MaGyrR
Method: EPA 6010B Prep Method: EPA 3010A						
	Barium	110		ug/L	10	Water
	Chromium	44		ug/L	10	Water
	Cobalt	, u		ug/L	5.0	Water
	Copper	14		ug/L	10	Water
	Nickel	d0		ug/L	10	Water
	Vanadium	4U		ug/L	5.0	Water
Method: EPA 6010B Prep Method: METHOD						
	Barium	Ub		ug/L	10	Filtrate
Method: EPA 8015B Prep Method: EPA 3510C						
	Diesel C10-C28	1, 0		ug/L	96	Water

Sample ID: MW-1U	5a. ID: Lb0141-00,	89Ile2Ge o: 0ct0bt4d 1d:Ld

Lb0141-00, 7/ al6Ge		3eri IC	xi al	A/ rG	35	MaGyrR
Method: EPA 6010B Prep Method: EPA 3010A						
	Barium	, Q		ug/L	10	Water
	Molybdenum	1,		ug/L	10	Water
	Nickel	1d		ug/L	10	Water
	Vanadium	1d		ug/L	5.0	Water
Method: EPA 6010B Prep Method: METHOD						
	Barium	LL		ug/L	10	Filtrate
Method: EPA 8260B Prep Method: EPA 5030B						
	MTBE	duU		ug/L	0.5	Water

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ENTHALPY ANALYTICAL

DeGe2G9/ Si mmay6

Sample ID: MW-1,	5a. ID: Lb0141-00Q	89Ile2Ge o: 0ct0bt4d 1L:d0

Lb0141-00Q7 / al6Ge	3eri IC	xi al	A/ rG	35	MaGyrR
Method: EPA 6010B Prep Method: EPA 3010A					
Barium	cU		ug/L	10	Water
Molybdenum	1U		ug/L	10	Water
Method: EPA 6010B Prep Method: METHOD					
Barium	Q,		ug/L	10	Filtrate
Method: EPA 8015B Prep Method: EPA 3510C					
Diesel C10-C28	Q00		ug/L	100	Water
ORO C28-C44	dU0		ug/L	300	Water

Sample ID: MW-1Q	5a. ID: Lb0141-00c	89Ile2Ge o: 0ct0bt4d 1L:0L

Lb0141-00c 7 / al6Ge	3eri IC	xi al	A/ rG	35	MaGyrR
Method: EPA 6010B Prep Method: EPA 3010A					
Arsenic	db		ug/L	10	Water
Barium	1s, 00		ug/L	10	Water
Beryllium	dul		ug/L	1.0	Water
Chromium	LL0		ug/L	10	Water
Cobalt	140		ug/L	5.0	Water
Copper	4U0		ug/L	10	Water
Lead	cc		ug/L	10	Water
Nickel	L, 0		ug/L	10	Water
Vanadium	L00		ug/L	5.0	Water
Zinc	Ld0		ug/L	50	Water
Method: EPA 6010B Prep Method: METHOD					
Arsenic	14		ug/L	10	Filtrate
Barium	Q,		ug/L	10	Filtrate
Method: EPA 7470A Prep Method: METHOD					
Mercury	0u, Q		ug/L	0.40	Filtrate
Method: EPA 8015B Prep Method: EPA 3510C					
Diesel C10-C28	4L0		ug/L	100	Water
Method: EPA 8260B Prep Method: EPA 5030B					
cis-1,2-Dichloroethene	0uU		ug/L	0.5	Water
Tetrachloroethene	0uc		ug/L	0.5	Water
Trichloroethene	1u0		ug/L	0.5	Water

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 490121

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

<<< Select a Laboratory >>>

#N/A

#N/A

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Roux Associates, Inc.	Name:	AB & I Foundry
Report To:	Harold Rush	Number:	
Email:	hrush@rouxinc.com	P.O. #:	
Address:	555 12th St, Suite 250	Address:	7825 San Leandro St,
	Oakland, CA 94607		Oakland, CA
Phone:	510-703-6273	Global ID:	
Fax:		Sampled By:	NG, HJ, TM

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	VOCs & TPHg	TPH-d/MO	CAM 17 (Total)	CAM 17	PAH	PCB	OCP	Hexavalent Chromium			Test Instructions / Comments
1	MW-10	8/9/23	1330	W	11/various	2,3,6	X	X	X	X	X	X	X	X			
2	MW-11		1252				X	X	X	X	X	X	X	X			
3	MW-12		1214				X	X	X	X	X	X	X	X			
4	MW-13		1133				X	X	X	X	X	X	X	X			
5	MW-14		1236				X	X	X	X	X	X	X	X			
6	MW-15		1343				X	X	X	X	X	X	X	X			
7	MW-16		1430				X	X	X	X	X	X	X	X			
8	MW-17	↓	1404	↓	↓	↓	X	X	X	X	X	X	X	X			
9																	
10																	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Jessie Hendren	Blaine Tech/Field Tech	8/9/23 1631
[1] Received By:		Maxwell Kipp	BT	8/9/23 16:31
[2] Relinquished By:		Amiren Hurt	EA	8-9-23 1732
[2] Received By:		G. Kim	EA	8/10/23 ~~1709~~ 5
[3] Relinquished By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 8/9/23 Login # 490121 Client: Roux

Section 2: Shipping / Custody

Shipping Info: _____

Are custody seals present? ☑ No ☐ Yes If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

Custody seals intact on arrival? ☐ Yes ☐ No ☐ N/A Date: _____ # of seals _____ ☐ Signature ☐ Initials

Section 3: Condition / Packaging ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen**

Date Opened 8/9/23 By (print) MM (sign) _____

☐ Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)

If no cooler: Sample Temp (°C): _____

How many coolers? 4 Temp (°C): #1:_____ #2:_____ #3:_____ #4:_____ #5:_____ #6: _____

Temperature measured using ☐ Thermometer ID:_____, or IR Gun # ☐ B ☐ C

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Section 4: Containers / Labels / Samples	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable?	✓		
Were Method 5035 sampling containers present? Transferred to freezer @:_____		✓	
Did all containers arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			
Was the client contacted about this delivery? Contacted:_____ By:_____ Date:_____		✓	

Section 5: Preservatives	YES	NO	N/A
Are the samples appropriately preserved? (if yes, skip the rest of section 5)			
Did any samples / containers require preservation upon receipt?			
Did you document your preservative check in the bench book?			

Preservative added:

☐ H2SO4 lot#_____ added to samples_____ Date/Time_____

☐ HCL lot#_____ added to samples_____ Date/Time_____

☐ HNO3 lot#_____ added to samples_____ Date/Time_____

☑ CrVI Buffer lot#_____ added to samples -001 HW -003 Date/Time 8-8-23 1720

Section 6: Explanations / Comments

_____

_____

_____

_____

_____

_____

_____

_____

_____

Date Logged 8/9/23 **By (print)** _____ **(sign)** _____

Date Labeled 8-9-23 **By (print)** _____ **(sign)** _____

SAMPLE RECEIPT CHECKLIST

Section 1: Login: 490121 Client: Roux Associates Inc

Date Received: 8/10/23 Project: AB&I Foundry

Section 2: Shipping info (if applicable) _____ Southwest Cargo

Are custody seals present? o No, or ● Yes. If yes, where? ● on cooler, o on samples, o on package

● Date: 8/9/23 How many 3 o Signature, ● Initials, o None

Were custody seals intact upon arrival? ● Yes o No o N/A

Samples received in a cooler? o Yes, how many? 3 o No (**skip Section 3 below**)

If no coole Sample Temp (°C): _____ using IR Gun # o B, or o C

o Samples received on ice directly from the field. Cooling process had begun

If in cooler Date Opened 8/10/23 By (print) GCK (sign) [signature]

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe)_____

● Bubble Wrap, o Foam blocks, ● Bags, o None, o Cloth material, o Cardboard, o Styrofoam, o Paper towels

o Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ● Wet, ● Blue/Gel, o None Temperature blank(s) included? ☐ Yes, ● No

Temperature measured using o Thermometer ID:_____, or IR Gun # o B o C

Cooler Temp (°C): #1: 2.2/1.6, #2: 1.3/0.9 #3: 3.1/2.5, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	x		
Were Method 5035 sampling containers present?		x	
If YES, what time were they transferred to freezer?_____			
Did all bottles arrive unbroken/unopened?	x		
Are there any missing / extra samples?		x	
Are samples in the appropriate containers for indicated tests?	x		
Are sample labels present, in good condition and complete?	x		
Does the container count match the COC?	x		
Do the sample labels agree with custody papers?	x		
Was sufficient amount of sample sent for tests requested?	x		
Did you change the hold time in LIMS for unpreserved VOAs?			x
Did you change the hold time in LIMS for preserved terracores?			x
Are bubbles > 6mm present in VOA samples?		x	
Was the client contacted concerning this sample delivery?		x	
If YES, who was called?_____ By_____ Date:_____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)	x		
Did you check preservatives for all bottles for each sample?		x	
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

o H2SO4 lot# _____ added to samples _____ on/at _____

o HCL lot# _____ added to samples _____ on/at _____

o HNO3 lot# _____ added to samples _____ on/at _____

o NaOH lot# _____ added to samples _____ on/at _____

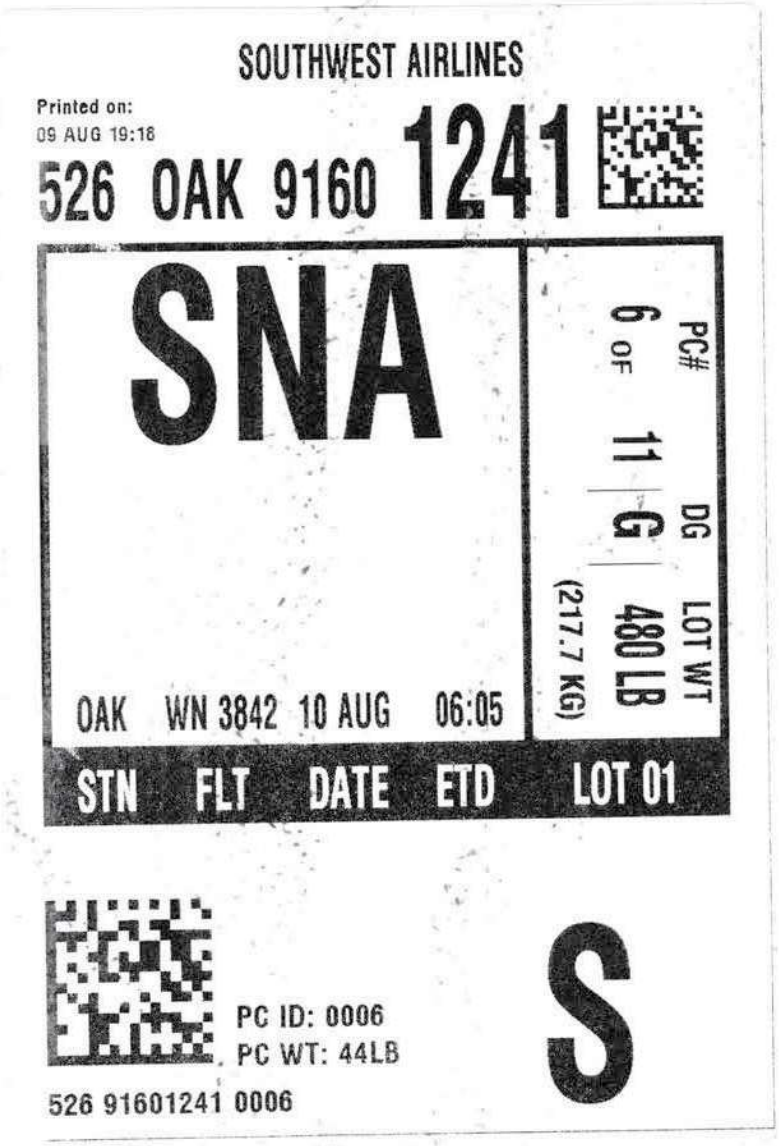
Section 6:

Explanations/Comments:

001: Cannot determine if the sample has been field filtered for dissolve metals.

Date Logged in 8/9/23 **By (print)** MAY **(sign)** [signature] for MAY

Date Labeled 8/9/23 **By (print)** ARM **(sign)** [signature] for ARM


SOUTHWEST AIRLINES

Printed on:
09 AUG 19:18

526 OAK 9160 1241

SNA

PC# 6 OF 11

DG G

LOT WT 480 LB (217.7 KG)

OAK WN 3842 10 AUG 06:05

STN FLT DATE ETD LOT 01

PC ID: 0006
PC WT: 44LB

526 91601241 0006

S

8:55 AM

1.6 / 2.2


SOUTHWEST AIRLINES

Printed on:
09 AUG 19:18

526 OAK 9160 1241

SNA

PC# 7 OF 11

DG G

LOT WT 480 LB (217.7 KG)

OAK WN 3842 10 AUG 06:05

STN FLT DATE ETD LOT 01

PC ID: 0007
PC WT: 44LB

526 91601241 0007

S

0-4/1-3


SOUTHWEST AIRLINES
Printed on:
09 AUG 19:18
526 OAK 9160 1241
SNA
PC# 9 OF 11
DG G
LOT WT 480 LB (217.7 KG)
OAK WN 3842 10 AUG 06:05
STN FLT DATE ETD
LOT 01
PC ID: 0009
PC WT: 43LB
S
526 91601241 0009

7.5/3.1

ENTHALPY ANALYTICAL

Extractable Petroleum Hydrocarbons

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-10 **Batch#:** 320124 **Prep:** EPA 3510C
Type: SAMPLE **Sampled:** 08/09/23 **Analysis:** EPA 8015B
Lab ID: 490121-001 **Received:** 08/09/23 **Analyst:** BJG
Matrix: Water **Prepared:** 08/11/23
Diln Fac: 1.000 **Analyzed:** 08/11/23

490121-001 Analyte	Result	RL	Units
Diesel C10-C28	ND	110	ug/L
ORO C28-C44	ND	320	ug/L

490121-001 Surrogate	%REC	Limits
n-Triacontane	93	35-130

Field ID: MW-11 **Batch#:** 320124 **Prep:** EPA 3510C
Type: SAMPLE **Sampled:** 08/09/23 **Analysis:** EPA 8015B
Lab ID: 490121-002 **Received:** 08/09/23 **Analyst:** BJG
Matrix: Water **Prepared:** 08/11/23
Diln Fac: 1.000 **Analyzed:** 08/11/23

490121-002 Analyte	Result	RL	Units
Diesel C10-C28	**190**	100	ug/L
ORO C28-C44	ND	310	ug/L

490121-002 Surrogate	%REC	Limits
n-Triacontane	39	35-130

Field ID: MW-12 **Batch#:** 320124 **Prep:** EPA 3510C
Type: SAMPLE **Sampled:** 08/09/23 **Analysis:** EPA 8015B
Lab ID: 490121-003 **Received:** 08/09/23 **Analyst:** BJG
Matrix: Water **Prepared:** 08/11/23
Diln Fac: 1.000 **Analyzed:** 08/11/23

490121-003 Analyte	Result	RL	Units
Diesel C10-C28	ND	96	ug/L
ORO C28-C44	ND	290	ug/L

490121-003 Surrogate	%REC	Limits
n-Triacontane	84	35-130

ENTHALPY ANALYTICAL

Extractable Petroleum Hydrocarbons

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-13 **Batch#:** 320124 **Prep:** EPA 3510C
Type: SAMPLE **Sampled:** 08/09/23 **Analysis:** EPA 8015B
Lab ID: 490121-004 **Received:** 08/09/23 **Analyst:** BJG
Matrix: Water **Prepared:** 08/11/23
Diln Fac: 1.000 **Analyzed:** 08/11/23

490121-004 Analyte	Result	RL	Units
Diesel C10-C28	**240**	95	ug/L
ORO C28-C44	ND	290	ug/L

490121-004 Surrogate	%REC	Limits
n-Triacontane	86	35-130

Field ID: MW-14 **Batch#:** 320124 **Prep:** EPA 3510C
Type: SAMPLE **Sampled:** 08/09/23 **Analysis:** EPA 8015B
Lab ID: 490121-005 **Received:** 08/09/23 **Analyst:** BJG
Matrix: Water **Prepared:** 08/11/23
Diln Fac: 1.000 **Analyzed:** 08/11/23

490121-005 Analyte	Result	RL	Units
Diesel C10-C28	**160**	96	ug/L
ORO C28-C44	ND	290	ug/L

490121-005 Surrogate	%REC	Limits
n-Triacontane	89	35-130

Field ID: MW-15 **Batch#:** 320124 **Prep:** EPA 3510C
Type: SAMPLE **Sampled:** 08/09/23 **Analysis:** EPA 8015B
Lab ID: 490121-006 **Received:** 08/09/23 **Analyst:** BJG
Matrix: Water **Prepared:** 08/11/23
Diln Fac: 1.000 **Analyzed:** 08/11/23

490121-006 Analyte	Result	RL	Units
Diesel C10-C28	ND	93	ug/L
ORO C28-C44	ND	280	ug/L

490121-006 Surrogate	%REC	Limits
n-Triacontane	83	35-130

ENTHALPY ANALYTICAL

Extractable Petroleum Hydrocarbons

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-16 **Batch#:** 320124 **Prep:** EPA 3510C
Type: SAMPLE **Sampled:** 08/09/23 **Analysis:** EPA 8015B
Lab ID: 490121-007 **Received:** 08/09/23 **Analyst:** BJG
Matrix: Water **Prepared:** 08/11/23
Dil Fac: 1.000 **Analyzed:** 08/11/23

490121-007 Analyte	Result	RL	Units
Diesel C10-C28	**700**	100	ug/L
ORO C28-C44	**350**	300	ug/L

490121-007 Surrogate	%REC	Limits
n-Triacontane	95	35-130

Field ID: MW-17 **Batch#:** 320124 **Prep:** EPA 3510C
Type: SAMPLE **Sampled:** 08/09/23 **Analysis:** EPA 8015B
Lab ID: 490121-008 **Received:** 08/09/23 **Analyst:** BJG
Matrix: Water **Prepared:** 08/11/23
Dil Fac: 1.000 **Analyzed:** 08/11/23

490121-008 Analyte	Result	RL	Units
Diesel C10-C28	**240**	100	ug/L
ORO C28-C44	ND	310	ug/L

490121-008 Surrogate	%REC	Limits
n-Triacontane	104	35-130

Type: BLANK **Batch#:** 320124 **Analysis:** EPA 8015B
Lab ID: QC1086137 **Prepared:** 08/11/23 **Analyst:** BJG
Matrix: Water **Analyzed:** 08/11/23
Dil Fac: 1.000 **Prep:** EPA 3510C

QC1086137 Analyte	Result	RL	Units
Diesel C10-C28	ND	100	ug/L
ORO C28-C44	ND	300	ug/L

QC1086137 Surrogate	%REC	Limits
n-Triacontane	90	35-130

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Extractable Petroleum Hydrocarbons: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: BS **Batch#:** 320124 **Analysis:** EPA 8015B

Lab ID: QC1086138 **Prepared:** 08/11/23 **Analyst:** BJG

Matrix: Water **Analyzed:** 08/11/23

Dil'n Fac: 1.000 **Prep:** EPA 3510C

QC1086138 Analyte	Spiked	Result	%REC	Limits	Units
Diesel C10-C28	1,000	780.9	78	42-120	ug/L

QC1086138 Surrogate	%REC	Limits
n-Triacontane	91	35-130

Type: BSD **Batch#:** 320124 **Analysis:** EPA 8015B

Lab ID: QC1086139 **Prepared:** 08/11/23 **Analyst:** BJG

Matrix: Water **Analyzed:** 08/11/23

Dil'n Fac: 1.000 **Prep:** EPA 3510C

QC1086139 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Diesel C10-C28	1,000	704.7	70	42-120	ug/L	10	36

QC1086139 Surrogate	%REC	Limits
n-Triacontane	85	35-130

Legend

RPD: Relative Percent Difference

Enthalpy Analytical - Orange Analytical Report

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	MW-10	**Batch#:**	320115	**Prep:**	EPA 5030B
Lab ID:	490121-001	**Sampled:**	08/09/23	**Analysis:**	EPA 8260B
Matrix:	Water	**Received:**	08/09/23	**Analyst:**	HMN
DiIn Fac:	1.000	**Analyzed:**	08/11/23		

490121-001 Analyte	Result	RL	Units
TPH Gasoline	ND	50	ug/L
1,1-Dichloroethane	ND	0.5	ug/L
1,1-Dichloroethene	ND	0.5	ug/L
1,1-Dichloropropene	ND	0.5	ug/L
1,1,1-Trichloroethane	ND	0.5	ug/L
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L
1,1,2-Trichloroethane	ND	0.5	ug/L
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L
1,2-Dibromo-3-Chloropropane	ND	2.0	ug/L
1,2-Dibromoethane	ND	0.5	ug/L
1,2-Dichlorobenzene	ND	0.5	ug/L
1,2-Dichloroethane	ND	0.5	ug/L
1,2-Dichloropropane	ND	0.5	ug/L
1,2,3-Trichlorobenzene	ND	0.5	ug/L
1,2,3-Trichloropropane	ND	0.5	ug/L
1,2,4-Trichlorobenzene	ND	0.5	ug/L
1,2,4-Trimethylbenzene	ND	0.5	ug/L
1,3-Dichlorobenzene	ND	0.5	ug/L
1,3-Dichloropropane	ND	0.5	ug/L
1,3,5-Trimethylbenzene	ND	0.5	ug/L
1,4-Dichlorobenzene	ND	0.5	ug/L
2-Butanone	ND	5.0	ug/L
2-Chlorotoluene	ND	0.5	ug/L
2,2-Dichloropropane	ND	0.5	ug/L
4-Chlorotoluene	ND	0.5	ug/L
4-Methyl-2-Pentanone	ND	5.0	ug/L
Acetone	ND	20	ug/L
Benzene	ND	0.5	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	0.5	ug/L
Bromomethane	ND	1.0	ug/L
Bromodichloromethane	ND	0.5	ug/L
Bromoform	ND	1.0	ug/L
Carbon Tetrachloride	ND	0.5	ug/L
Chlorobenzene	ND	0.5	ug/L
Chloroethane	ND	0.5	ug/L
Chloroform	ND	0.5	ug/L
Chloromethane	ND	0.5	ug/L
cis-1,2-Dichloroethene	ND	0.5	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Dibromochloromethane	ND	0.5	ug/L

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

490121-001 Analyte	Result	RL	Units
Dibromomethane	ND	0.5	ug/L
Ethyl tert-Butyl Ether (ETBE)	ND	0.5	ug/L
Ethylbenzene	ND	0.5	ug/L
Freon 113	ND	0.5	ug/L
Freon 12	ND	0.5	ug/L
Hexachlorobutadiene	ND	2.0	ug/L
Isopropyl Ether (DIPE)	ND	0.5	ug/L
Isopropylbenzene	ND	0.5	ug/L
Methyl tert-Amyl Ether (TAME)	ND	0.5	ug/L
Methylene Chloride	ND	10	ug/L
MTBE	ND	0.5	ug/L
n-Butylbenzene	ND	0.5	ug/L
Naphthalene	ND	2.0	ug/L
para-Isopropyl Toluene	ND	0.5	ug/L
Propylbenzene	ND	0.5	ug/L
sec-Butylbenzene	ND	0.5	ug/L
Styrene	ND	0.5	ug/L
tert-Butyl Alcohol (TBA)	ND	10	ug/L
tert-Butylbenzene	ND	0.5	ug/L
Tetrachloroethene	ND	0.5	ug/L
Toluene	ND	0.5	ug/L
trans-1,2-Dichloroethene	ND	0.5	ug/L
trans-1,3-Dichloropropene	ND	0.5	ug/L
Trichloroethene	ND	0.5	ug/L
Trichlorofluoromethane	ND	0.5	ug/L
Vinyl Chloride	ND	0.5	ug/L
m,p-Xylenes	ND	1.0	ug/L
o-Xylene	ND	0.5	ug/L

490121-001 Surrogate	%REC	Limits
Dibromofluoromethane	98	70-130
1,2-Dichloroethane-d4	84	70-130
Toluene-d8	94	70-130
Bromofluorobenzene	95	70-130

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	MW-11	**Batch#:**	320115	**Prep:**	EPA 5030B
Lab ID:	490121-002	**Sampled:**	08/09/23	**Analysis:**	EPA 8260B
Matrix:	Water	**Received:**	08/09/23	**Analyst:**	HMN
DiIn Fac:	1.000	**Analyzed:**	08/11/23		

490121-002 Analyte	Result	RL	Units
TPH Gasoline	**1,100**	50	ug/L
1,1-Dichloroethane	ND	0.5	ug/L
1,1-Dichloroethene	ND	0.5	ug/L
1,1-Dichloropropene	ND	0.5	ug/L
1,1,1-Trichloroethane	ND	0.5	ug/L
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L
1,1,2-Trichloroethane	ND	0.5	ug/L
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L
1,2-Dibromo-3-Chloropropane	ND	2.0	ug/L
1,2-Dibromoethane	ND	0.5	ug/L
1,2-Dichlorobenzene	ND	0.5	ug/L
1,2-Dichloroethane	**0.8**	0.5	ug/L
1,2-Dichloropropane	ND	0.5	ug/L
1,2,3-Trichlorobenzene	ND	0.5	ug/L
1,2,3-Trichloropropane	ND	0.5	ug/L
1,2,4-Trichlorobenzene	ND	0.5	ug/L
1,2,4-Trimethylbenzene	ND	0.5	ug/L
1,3-Dichlorobenzene	ND	0.5	ug/L
1,3-Dichloropropane	ND	0.5	ug/L
1,3,5-Trimethylbenzene	ND	0.5	ug/L
1,4-Dichlorobenzene	ND	0.5	ug/L
2-Butanone	ND	5.0	ug/L
2-Chlorotoluene	ND	0.5	ug/L
2,2-Dichloropropane	ND	0.5	ug/L
4-Chlorotoluene	ND	0.5	ug/L
4-Methyl-2-Pentanone	ND	5.0	ug/L
Acetone	ND	20	ug/L
Benzene	ND	0.5	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	0.5	ug/L
Bromomethane	ND	1.0	ug/L
Bromodichloromethane	ND	0.5	ug/L
Bromoform	ND	1.0	ug/L
Carbon Tetrachloride	ND	0.5	ug/L
Chlorobenzene	ND	0.5	ug/L
Chloroethane	ND	0.5	ug/L
Chloroform	ND	0.5	ug/L
Chloromethane	ND	0.5	ug/L
cis-1,2-Dichloroethene	ND	0.5	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Dibromochloromethane	ND	0.5	ug/L

Enthalpy Analytical - Orange Analytical Report

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

490121-002 Analyte	Result	RL	Units
Dibromomethane	ND	0.5	ug/L
Ethyl tert-Butyl Ether (ETBE)	ND	0.5	ug/L
Ethylbenzene	**2.3**	0.5	ug/L
Freon 113	ND	0.5	ug/L
Freon 12	ND	0.5	ug/L
Hexachlorobutadiene	ND	2.0	ug/L
Isopropyl Ether (DIPE)	ND	0.5	ug/L
Isopropylbenzene	**4.9**	0.5	ug/L
Methyl tert-Amyl Ether (TAME)	ND	0.5	ug/L
Methylene Chloride	ND	10	ug/L
MTBE	ND	0.5	ug/L
n-Butylbenzene	**1.5**	0.5	ug/L
Naphthalene	**4.2**	2.0	ug/L
para-Isopropyl Toluene	ND	0.5	ug/L
Propylbenzene	**8.7**	0.5	ug/L
sec-Butylbenzene	**1.7**	0.5	ug/L
Styrene	ND	0.5	ug/L
tert-Butyl Alcohol (TBA)	ND	10	ug/L
tert-Butylbenzene	**1.2**	0.5	ug/L
Tetrachloroethene	ND	0.5	ug/L
Toluene	ND	0.5	ug/L
trans-1,2-Dichloroethene	ND	0.5	ug/L
trans-1,3-Dichloropropene	ND	0.5	ug/L
Trichloroethene	ND	0.5	ug/L
Trichlorofluoromethane	ND	0.5	ug/L
Vinyl Chloride	ND	0.5	ug/L
m,p-Xylenes	ND	1.0	ug/L
o-Xylene	ND	0.5	ug/L

490121-002 Surrogate	%REC	Limits
Dibromofluoromethane	93	70-130
1,2-Dichloroethane-d4	81	70-130
Toluene-d8	94	70-130
Bromofluorobenzene	96	70-130

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	MW-12	**Batch#:**	320115	**Prep:**	EPA 5030B
Lab ID:	490121-003	**Sampled:**	08/09/23	**Analysis:**	EPA 8260B
Matrix:	Water	**Received:**	08/09/23	**Analyst:**	HMN
DilN Fac:	1.000	**Analyzed:**	08/11/23		

490121-003 Analyte	Result	RL	Units
TPH Gasoline	ND	50	ug/L
1,1-Dichloroethane	**3.2**	0.5	ug/L
1,1-Dichloroethene	**200**	0.5	ug/L
1,1-Dichloropropene	ND	0.5	ug/L
1,1,1-Trichloroethane	ND	0.5	ug/L
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L
1,1,2-Trichloroethane	ND	0.5	ug/L
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L
1,2-Dibromo-3-Chloropropane	ND	2.0	ug/L
1,2-Dibromoethane	ND	0.5	ug/L
1,2-Dichlorobenzene	ND	0.5	ug/L
1,2-Dichloroethane	ND	0.5	ug/L
1,2-Dichloropropane	ND	0.5	ug/L
1,2,3-Trichlorobenzene	ND	0.5	ug/L
1,2,3-Trichloropropane	ND	0.5	ug/L
1,2,4-Trichlorobenzene	ND	0.5	ug/L
1,2,4-Trimethylbenzene	ND	0.5	ug/L
1,3-Dichlorobenzene	ND	0.5	ug/L
1,3-Dichloropropane	ND	0.5	ug/L
1,3,5-Trimethylbenzene	ND	0.5	ug/L
1,4-Dichlorobenzene	ND	0.5	ug/L
2-Butanone	ND	5.0	ug/L
2-Chlorotoluene	ND	0.5	ug/L
2,2-Dichloropropane	ND	0.5	ug/L
4-Chlorotoluene	ND	0.5	ug/L
4-Methyl-2-Pentanone	ND	5.0	ug/L
Acetone	ND	20	ug/L
Benzene	ND	0.5	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	0.5	ug/L
Bromomethane	ND	1.0	ug/L
Bromodichloromethane	ND	0.5	ug/L
Bromoform	ND	1.0	ug/L
Carbon Tetrachloride	ND	0.5	ug/L
Chlorobenzene	ND	0.5	ug/L
Chloroethane	ND	0.5	ug/L
Chloroform	ND	0.5	ug/L
Chloromethane	ND	0.5	ug/L
cis-1,2-Dichloroethene	**2.9**	0.5	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Dibromochloromethane	ND	0.5	ug/L

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

490121-003 Analyte	Result	RL	Units
Dibromomethane	ND	0.5	ug/L
Ethyl tert-Butyl Ether (ETBE)	ND	0.5	ug/L
Ethylbenzene	ND	0.5	ug/L
Freon 113	ND	0.5	ug/L
Freon 12	ND	0.5	ug/L
Hexachlorobutadiene	ND	2.0	ug/L
Isopropyl Ether (DIPE)	ND	0.5	ug/L
Isopropylbenzene	ND	0.5	ug/L
Methyl tert-Amyl Ether (TAME)	ND	0.5	ug/L
Methylene Chloride	ND	10	ug/L
MTBE	ND	0.5	ug/L
n-Butylbenzene	ND	0.5	ug/L
Naphthalene	ND	2.0	ug/L
para-Isopropyl Toluene	ND	0.5	ug/L
Propylbenzene	ND	0.5	ug/L
sec-Butylbenzene	ND	0.5	ug/L
Styrene	ND	0.5	ug/L
tert-Butyl Alcohol (TBA)	ND	10	ug/L
tert-Butylbenzene	ND	0.5	ug/L
Tetrachloroethene	ND	0.5	ug/L
Toluene	ND	0.5	ug/L
trans-1,2-Dichloroethene	ND	0.5	ug/L
trans-1,3-Dichloropropene	ND	0.5	ug/L
Trichloroethene	ND	0.5	ug/L
Trichlorofluoromethane	ND	0.5	ug/L
Vinyl Chloride	**2.9**	0.5	ug/L
m,p-Xylenes	ND	1.0	ug/L
o-Xylene	ND	0.5	ug/L

490121-003 Surrogate	%REC	Limits
Dibromofluoromethane	103	70-130
1,2-Dichloroethane-d4	84	70-130
Toluene-d8	94	70-130
Bromofluorobenzene	96	70-130

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report

Lab #: 490121 **Project#:** 1793.0030S106

Client: RouxAssociates **Location:** PB&IAFoundry

Field ID:	MW-13	**Batch#:**	320211	**Prep:**	5EPA 030B
Lab ID:	490121-004	**Sampled:**	08/09/23	**Analysis:**	5EPA8260B
Matrix:	Water	**Received:**	08/09/23	**Analyst:**	HMN
DilnFac:	1.000	**Analyzed:**	08/12/23		

490121-004 Analyte	Result	RL	Units
TPH Gasoline	**120**	0	ug/L
1,1-Dichloroethane	ND	0.	ug/L
1,1-Dichloroethene	ND	0.	ug/L
1,1-Dichloropropene	ND	0.	ug/L
1,1,1-Trichloroethane	ND	0.	ug/L
1,1,1,2-Tetrachloroethane	ND	0.	ug/L
1,1,2-Trichloroethane	ND	0.	ug/L
1,1,2,2-Tetrachloroethane	ND	0.	ug/L
1,2-Dibromo-3-Chloropropane	ND	2.0	ug/L
1,2-Dibromoethane	ND	0.	ug/L
1,2-Dichlorobenzene	ND	0.	ug/L
1,2-Dichloroethane	ND	0.	ug/L
1,2-Dichloropropane	ND	0.	ug/L
1,2,3-Trichlorobenzene	ND	0.	ug/L
1,2,3-Trichloropropane	ND	0.	ug/L
1,2,4-Trichlorobenzene	ND	0.	ug/L
1,2,4-Trimethylbenzene	ND	0.	ug/L
1,3-Dichlorobenzene	ND	0.	ug/L
1,3-Dichloropropane	ND	0.	ug/L
1,3, -Trimethylbenzene	ND	0.	ug/L
1,4-Dichlorobenzene	ND	0.	ug/L
2-Butanone	ND	.0	ug/L
2-Chlorotoluene	ND	0.	ug/L
2,2-Dichloropropane	ND	0.	ug/L
4-Chlorotoluene	ND	0.	ug/L
4-Methyl-2-Eentanone	ND	.0	ug/L
Pcetone	ND	20	ug/L
Benzene	ND	0.	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	0.	ug/L
Bromomethane	ND	1.0	ug/L
Bromodichloromethane	ND	0.	ug/L
Bromoform	ND	1.0	ug/L
CarbonATetrachloride	ND	0.	ug/L
Chlorobenzene	ND	0.	ug/L
Chloroethane	ND	0.	ug/L
Chloroform	ND	0.	ug/L
Chloromethane	ND	0.	ug/L
cis-1,2-Dichloroethene	ND	0.	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Dibromochloromethane	ND	0.	ug/L

Enthalpy Analytical - Orange Analytical Report

Lab #: 490121 **Project#:** 1793.0030S106

Client: RouxAPssociates **Location:** PB&IAFoundry

490121-004 Analyte	Result	RL	Units
Dibromomethane	ND	0.	ug/L
5thylAert-ButylA5therA(5TB5)	ND	0.	ug/L
5thylbenzene	ND	0.	ug/L
FreonA113	ND	0.	ug/L
FreonA12	ND	0.	ug/L
Hexachlorobutadiene	ND	2.0	ug/L
IsopropylA5therA(DIE5)	ND	0.	ug/L
Isopropylbenzene	ND	0.	ug/L
MethylAert-PmylA5therA(TPM5)	ND	0.	ug/L
MethyleneAChloride	ND	10	ug/L
MTB5	ND	0.	ug/L
n-Butylbenzene	ND	0.	ug/L
Naphthalene	ND	2.0	ug/L
para-IsopropylAToluene	ND	0.	ug/L
Eropylbenzene	ND	0.	ug/L
sec-Butylbenzene	ND	0.	ug/L
Styrene	ND	0.	ug/L
tert-ButylAPIcoholA(TBP)	ND	10	ug/L
tert-Butylbenzene	ND	0.	ug/L
Tetrachloroethene	ND	0.	ug/L
Toluene	ND	0.	ug/L
trans-1,2-Dichloroethene	ND	0.	ug/L
trans-1,3-Dichloropropene	ND	0.	ug/L
Trichloroethene	ND	0.	ug/L
Trichlorofluoromethane	ND	0.	ug/L
VinylAChloride	ND	0.	ug/L
m,p-Xylenes	ND	1.0	ug/L
o-Xylene	ND	0.	ug/L

490121-004 Surrogate	%REC	Limits
Dibromofluoromethane	89	70-130
1,2-Dichloroethane-d4	82	70-130
Toluene-d8	93	70-130
Bromofluorobenzene	96	70-130

Legend

ND: NotADetected

RL: ReportingALimit

Enthalpy Analytical - Orange Analytical Report

Lab #: 095121 **Project#:** 1793.5535S156

Client: RouxB ssociates **Location:** 4 & lB Foundry

Field ID:	MW-10	**Batch#:**	32511E	**Prep:**	PA E5354
Lab ID:	095121-55E	**Sampled:**	58/59/23	**Analysis:**	PA B2654
Matrix:	Water	**Received:**	58/59/23	**Analyst:**	HMN
DiIn Fac:	1.555	**Analyzed:**	58/11/23		

490121-005 Analyte	Result	RL	Units
TAHBGasoline	ND	E5	ug/L
1,1-Dichloroethane	ND	5.E	ug/L
1,1-Dichloroethene	ND	5.E	ug/L
1,1-Dichloropropene	ND	5.E	ug/L
1,1,1-Trichloroethane	ND	5.E	ug/L
1,1,1,2-Tetrachloroethane	ND	5.E	ug/L
1,1,2-Trichloroethane	ND	5.E	ug/L
1,1,2,2-Tetrachloroethane	ND	5.E	ug/L
1,2-Dibromo-3-Chloropropane	ND	2.5	ug/L
1,2-Dibromoethane	ND	5.E	ug/L
1,2-Dichlorobenzene	ND	5.E	ug/L
1,2-Dichloroethane	ND	5.E	ug/L
1,2-Dichloropropane	ND	5.E	ug/L
1,2,3-Trichlorobenzene	ND	5.E	ug/L
1,2,3-Trichloropropane	ND	5.E	ug/L
1,2,0-Trichlorobenzene	ND	5.E	ug/L
1,2,0-Trimethylbenzene	ND	5.E	ug/L
1,3-Dichlorobenzene	ND	5.E	ug/L
1,3-Dichloropropane	ND	5.E	ug/L
1,3,E-Trimethylbenzene	ND	5.E	ug/L
1,0-Dichlorobenzene	ND	5.E	ug/L
2-4utanone	ND	E.5	ug/L
2-Chlorotoluene	ND	5.E	ug/L
2,2-Dichloropropane	ND	5.E	ug/L
0-Chlorotoluene	ND	5.E	ug/L
0-Methyl-2-Aentanone	ND	E.5	ug/L
cetone	ND	25	ug/L
4enzene	ND	5.E	ug/L
4romobenzene	ND	1.5	ug/L
4romochloromethane	ND	5.E	ug/L
4romomethane	ND	1.5	ug/L
4romodichloromethane	ND	5.E	ug/L
4romoform	ND	1.5	ug/L
CarbonBTetrachloride	ND	5.E	ug/L
Chlorobenzene	ND	5.E	ug/L
Chloroethane	ND	5.E	ug/L
Chloroform	ND	5.E	ug/L
Chloromethane	ND	5.E	ug/L
cis-1,2-Dichloroethene	ND	5.E	ug/L
cis-1,3-Dichloropropene	ND	1.5	ug/L
Dibromochloromethane	ND	5.E	ug/L

Enthalpy Analytical - Orange Analytical Report

Lab #: 095121 **Project#:** 1793.5535S156

Client: RouxB ssociates **Location:** 4 & lB Foundry

490121-005 Analyte	Result	RL	Units
Dibromomethane	ND	5.E	ug/L
PthylBert-4utylBPtherB(PT4P)	ND	5.E	ug/L
Pthylbenzene	ND	5.E	ug/L
FreonB113	ND	5.E	ug/L
FreonB12	ND	5.E	ug/L
Hexachlorobutadiene	ND	2.5	ug/L
IsopropylBPtherB(DIAP)	ND	5.E	ug/L
Isopropylbenzene	ND	5.E	ug/L
MethylBert- mylBPtherB(T MP)	ND	5.E	ug/L
MethyleneBChloride	ND	15	ug/L
MT4P	ND	5.E	ug/L
n-4utylbenzene	ND	5.E	ug/L
Naphthalene	ND	2.5	ug/L
para-IsopropylBToluene	ND	5.E	ug/L
Aropylbenzene	ND	5.E	ug/L
sec-4utylbenzene	ND	5.E	ug/L
Styrene	ND	5.E	ug/L
tert-4utylB lcoholB(T4)	ND	15	ug/L
tert-4utylbenzene	ND	5.E	ug/L
Tetrachloroethene	ND	5.E	ug/L
Toluene	ND	5.E	ug/L
trans-1,2-Dichloroethene	ND	5.E	ug/L
trans-1,3-Dichloropropene	ND	5.E	ug/L
Trichloroethene	ND	5.E	ug/L
Trichlorofluoromethane	ND	5.E	ug/L
VinylBChloride	ND	5.E	ug/L
m,p-Xylenes	ND	1.5	ug/L
o-Xylene	ND	5.E	ug/L

490121-005 Surrogate	%REC	Limits
Dibromofluoromethane	99	75-135
1,2-Dichloroethane-d0	83	75-135
Toluene-d8	90	75-135
4romofluorobenzene	9E	75-135

Legend

ND: NotBDetected

RL: ReportingBLimit

Enthalpy Analytical - Orange Analytical Report

Lab #: 495121 **Project#:** 1793.5535S158

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	MW-10	**Batch#:**	325110	**Prep:**	EPA 0535B
Lab ID:	495121-558	**Sampled:**	5/ 6 5 9 6 2 3	**Analysis:**	EPA / 285B
Matrix:	Water	**Received:**	5/ 6 5 9 6 2 3	**Analyst:**	HMN
DilnFac:	1.555	**Analyzed:**	5/ 6 1 1 6 2 3		

490121-006 Analyte	Result	RL	Units
TPH Gasoline	ND	05	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
1,1-Dichloropropene	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
1,2-Dibromo-3-Chloropropane	ND	2.5	ug/L
1,2-Dibromoethane	ND	5.0	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
1,2,3-Trichlorobenzene	ND	5.0	ug/L
1,2,3-Trichloropropane	ND	5.0	ug/L
1,2,4-Trichlorobenzene	ND	5.0	ug/L
1,2,4-Trimethylbenzene	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,3-Dichloropropane	ND	5.0	ug/L
1,3,0-Trimethylbenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
2-Butanone	ND	0.5	ug/L
2-Chlorotoluene	ND	5.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
4-Chlorotoluene	ND	5.0	ug/L
4-Methyl-2-Pentanone	ND	0.5	ug/L
Acetone	ND	25	ug/L
Benzene	ND	5.0	ug/L
Bromobenzene	ND	1.5	ug/L
Bromochloromethane	ND	5.0	ug/L
Bromomethane	ND	1.5	ug/L
Bromodichloromethane	ND	5.0	ug/L
Bromoform	ND	1.5	ug/L
Carbon Tetrachloride	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Chloroethane	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
Chloromethane	ND	5.0	ug/L
cis-1,2-Dichloroethene	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	1.5	ug/L
Dibromochloromethane	ND	5.0	ug/L

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report

Lab #: 495121 **Project#:** 1793.5535S158

Client: Roux Associates **Location:** AB&I Foundry

490121-006 Analyte	Result	RL	Units
Dibromomethane	ND	5.0	ug/L
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Freon 113	ND	5.0	ug/L
Freon 12	ND	5.0	ug/L
Hexachlorobutadiene	ND	2.5	ug/L
Isopropyl Ether (DIPE)	ND	5.0	ug/L
Isopropylbenzene	ND	5.0	ug/L
Methyl tert-Amyl Ether (TAME)	ND	5.0	ug/L
Methylene Chloride	ND	15	ug/L
MTBE	**3.5**	5.0	ug/L
n-Butylbenzene	ND	5.0	ug/L
Naphthalene	ND	2.5	ug/L
para-Isopropyl Toluene	ND	5.0	ug/L
Propylbenzene	ND	5.0	ug/L
sec-Butylbenzene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
tert-Butyl Alcohol (TBA)	ND	15	ug/L
tert-Butylbenzene	ND	5.0	ug/L
Tetrachloroethene	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
trans-1,2-Dichloroethene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene	ND	5.0	ug/L
Trichlorofluoromethane	ND	5.0	ug/L
Vinyl Chloride	ND	5.0	ug/L
m,p-Xylenes	ND	1.5	ug/L
o-Xylene	ND	5.0	ug/L

490121-006 Surrogate	%REC	Limits
Dibromofluoromethane	94	75-135
1,2-Dichloroethane-d4	/ 1	75-135
Toluene-d/	94	75-135
Bromofluorobenzene	98	75-135

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report

Lab #: 985121 **Project#:** 1/ 83T5535S150

Client: Rl gx Aool hrt er o **Location:** A4 &l Fl gDf Hdl

Field ID:	MW-10	**Batch#:**	325211	**Prep:**	EPA B5354
Lab ID:	985121-55/	**Sampled:**	56a58a23	**Analysis:**	EPA 62054
Matrix:	Wt er H	**Received:**	56a58a23	**Analyst:**	NM.
DiIn Fac:	1T555	**Analyzed:**	56a12a23		

490121-007 Analyte	Result	RL	Units
GPN s t ol irDr	. u	B5	gLą
1cl-u mpil Hl r ept Dr	. u	5TB	gLą
1cl-u mpil Hl r epr Dr	. u	5TB	gLą
1cl-u mpil Hl bHl br Dr	. u	5TB	gLą
1clcl-GHmpil Hl r ept Dr	. u	5TB	gLą
1clclc2-Gr eHl hpil Hl r ept Dr	. u	5TB	gLą
1clc2-GHmpil Hl r ept Dr	. u	5TB	gLą
1clc2c2-Gr eHl hpil Hl r ept Dr	. u	5TB	gLą
1c2-u mHl Cl -3-z pil Hl bHl bt Dr	. u	2T5	gLą
1c2-u mHl Cl r ept Dr	. u	5TB	gLą
1c2-u mpil Hl mr Dyr Dr	. u	5TB	gLą
1c2-u mpil Hl r ept Dr	. u	5TB	gLą
1c2-u mpil Hl bHl bt Dr	. u	5TB	gLą
1c2c3-GHmpil Hl mr Dyr Dr	. u	5TB	gLą
1c2c3-GHmpil Hl bHl bt Dr	. u	5TB	gLą
1c2c9-GHmpil Hl mr Dyr Dr	. u	5TB	gLą
1c2c9-GHmC r epdim r Dyr Dr	. u	5TB	gLą
1c3-u mpil Hl mr Dyr Dr	. u	5TB	gLą
1c3-u mpil Hl bHl bt Dr	. u	5TB	gLą
1c3cB-GHmC r epdim r Dyr Dr	. u	5TB	gLą
1c9-u mpil Hl mr Dyr Dr	. u	5TB	gLą
2-4 get Dl Dr	. u	BT5	gLą
2-z pil Hl el igr Dr	. u	5TB	gLą
2c2-u mpil Hl bHl bt Dr	. u	5TB	gLą
9-z pil Hl el igr Dr	. u	5TB	gLą
9-Mr epdi-2-Pr Det Dl Dr	. u	BT5	gLą
Ahr el Dr	. u	25	gLą
4r Dyr Dr	. u	5TB	gLą
4 HlCl mr Dyr Dr	. u	1T5	gLą
4 HlCl hpil HlC r ept Dr	. u	5TB	gLą
4 HlCl C r ept Dr	. u	1T5	gLą
4 HlCl f mhpil HlC r ept Dr	. u	5TB	gLą
4 HlCl 7l HC	. u	1T5	gLą
z t Hml DGr eHl hpil Hlf r	. u	5TB	gLą
z pil Hl mr Dyr Dr	. u	5TB	gLą
z pil Hl r ept Dr	. u	5TB	gLą
z pil Hl 7l HC	. u	5TB	gLą
z pil Hl C r ept Dr	. u	5TB	gLą
hro-1c2-u mpil Hl r epr Dr	. u	5TB	gLą
hro-1c3-u mpil Hl bHl br Dr	. u	1T5	gLą
u mHl Cl hpil HlC r ept Dr	. u	5TB	gLą

Enthalpy Analytical - Orange Analytical Report

Lab #: 985121 **Project#:** 1/ 83T5535S150

Client: Rl gx Aool hrt er o **Location:** A4 &l Fl gDf Hdl

490121-007 Analyte	Result	RL	Units
u mrHl Cl Cr ept Dr	. u	5TB	gLą
Eepdi er He-4 geedi Eepr H(EG4-E)	. u	5TB	gLą
Eepdimr Dyr Dr	. u	5TB	gLą
FHrl D113	. u	5TB	gLą
FHrl D12	. u	5TB	gLą
Nr xt hpil Hl mget f mr Dr	. u	2T5	gLą
lol bHl bdi Eepr H(u lPE)	. u	5TB	gLą
lol bHl bdimr Dyr Dr	. u	5TB	gLą
Mr epdi er He-ACdi Eepr H(GAME)	. u	5TB	gLą
Mr epdir Dr z pil Hfl r	. u	15	gLą
MG4-E	. u	5TB	gLą
D-4 geedimr Dyr Dr	. u	5TB	gLą
. t bpept ir Dr	. u	2T5	gLą
bt Hl -lol bHl bdi Gl igr Dr	. u	5TB	gLą
PHl bdimr Dyr Dr	. u	5TB	gLą
or h-4 geedimr Dyr Dr	. u	5TB	gLą
SeedHl Dr	. u	5TB	gLą
er He-4 geedi Aihl pl i (G4-A)	. u	15	gLą
er He-4 geedimr Dyr Dr	. u	5TB	gLą
Gr eHl hpil Hl r epr Dr	. u	5TB	gLą
Gl igr Dr	. u	5TB	gLą
eHl Do-1c2-u mhpil Hl r epr Dr	. u	5TB	gLą
eHl Do-1c3-u mhpil Hl bHl br Dr	. u	5TB	gLą
GHmhpil Hl r epr Dr	. u	5TB	gLą
GHmhpil Hl 7gl Hl Cr ept Dr	. u	5TB	gLą
VnDdi z pil Hfl r	. u	5TB	gLą
Cdo-Xdir Dr o	. u	1T5	gLą
l -Xdir Dr	. u	5TB	gLą

490121-007 Surrogate	%REC	Limits
u mrHl Cl 7gl Hl Cr ept Dr	6/	/ 5-135
1c2-u mhpil Hl r ept Dr -f 9	/ 8	/ 5-135
Gl igr Dr -f 6	8B	/ 5-135
4 Hl Cl 7gl Hl mr Dyr Dr	80	/ 5-135

, r Lr Df

ND: . l eu re herf

RL: Rr bl HeDL , nCre

Enthalpy Analytical - Orange Analytical Report

Lab #: 985121 **Project#:** 1083T5535S15a

Client: RI gxB ool hrt er o **Location:** 4 &IBFI gDf Hd

Field ID:	MW-10	**Batch#:**	32511E	**Prep:**	PA BE5354
Lab ID:	985121-55/	**Sampled:**	5/ 658623	**Analysis:**	PA B/2a54
Matrix:	Wt er H	**Received:**	5/ 658623	**Analyst:**	NM.
DiIn Fac:	1T555	**Analyzed:**	5/ 611623		

490121-008 Analyte	Result	RL	Units
GANBst ol inDr	. u	E5	gL6
1cl-u mpil Hl r ept Dr	. u	5TE	gL6
1cl-u mpil Hl r epr Dr	. u	5TE	gL6
1cl-u mpil Hl bHl br Dr	. u	5TE	gL6
1clcl-GHmpil Hl r ept Dr	. u	5TE	gL6
1clcl2-Gr eHl hpil Hl r ept Dr	. u	5TE	gL6
1cl2-GHmpil Hl r ept Dr	. u	5TE	gL6
1cl2cl2-Gr eHl hpil Hl r ept Dr	. u	5TE	gL6
1c2-u mHl Cl -3-z pil Hl bHl bt Dr	. u	2T5	gL6
1c2-u mHl Cl r ept Dr	. u	5TE	gL6
1c2-u mpil Hl mr Dyr Dr	. u	5TE	gL6
1c2-u mpil Hl r ept Dr	. u	5TE	gL6
1c2-u mpil Hl bHl bt Dr	. u	5TE	gL6
1c2c3-GHmpil Hl mr Dyr Dr	. u	5TE	gL6
1c2c3-GHmpil Hl bHl bt Dr	. u	5TE	gL6
1c2c9-GHmpil Hl mr Dyr Dr	. u	5TE	gL6
1c2c9-GHmC r epdim r Dyr Dr	. u	5TE	gL6
1c3-u mpil Hl mr Dyr Dr	. u	5TE	gL6
1c3-u mpil Hl bHl bt Dr	. u	5TE	gL6
1c3cE-GHmC r epdim r Dyr Dr	. u	5TE	gL6
1c9-u mpil Hl mr Dyr Dr	. u	5TE	gL6
2-4 get Dl Dr	. u	E5	gL6
2-z pil Hl el igr Dr	. u	5TE	gL6
2c2-u mpil Hl bHl bt Dr	. u	5TE	gL6
9-z pil Hl el igr Dr	. u	5TE	gL6
9-Mr epdi-2-Ar Det Dl Dr	. u	E5	gL6
hr el Dr	. u	25	gL6
4r Dyr Dr	. u	5TE	gL6
4 Hl Cl mr Dyr Dr	. u	1T5	gL6
4 Hl Cl hpil Hl C r ept Dr	. u	5TE	gL6
4 Hl Cl C r ept Dr	. u	1T5	gL6
4 Hl Cl f mpil Hl C r ept Dr	. u	5TE	gL6
4 Hl Cl 7/ HC	. u	1T5	gL6
z t Hml DBGr eHl hpil Hl f r	. u	5TE	gL6
z pil Hl mr Dyr Dr	. u	5TE	gL6
z pil Hl r ept Dr	. u	5TE	gL6
z pil Hl 7/ HC	. u	5TE	gL6
z pil Hl C r ept Dr	. u	5TE	gL6
cis-1,2-Dichloroethene	**0.5**	5TE	gL6
hmo-1c3-u mpil Hl bHl br Dr	. u	1T5	gL6
u mHl Cl hpil Hl C r ept Dr	. u	5TE	gL6

Enthalpy Analytical - Orange Analytical Report

Lab #: 985121 **Project#:** 1083T5535S15a

Client: RI gxB ool hrt er o **Location:** 4&IBFI gDf Hd

490121-008 Analyte	Result	RL	Units
u mrHl CI Cr ept Dr	. u	5TE	gL6
Pepdi Bar He-4 ge diB Pepr HB(PG4-P)	. u	5TE	gL6
Pepdim r Dyr Dr	. u	5TE	gL6
FHrl DB1 3	. u	5TE	gL6
FHrl DB1 2	. u	5TE	gL6
Nr xt hpil Hl mge t f m r Dr	. u	2T5	gL6
lol bHl bdi BPepr HB(u lAP)	. u	5TE	gL6
lol bHl bdim r Dyr Dr	. u	5TE	gL6
Mr epdi Bar He- C di BPepr HB(G MP)	. u	5TE	gL6
Mr epdir Dr Bz pil Hfl r	. u	15	gL6
MG4-P	. u	5TE	gL6
D-4 ge dim r Dyr Dr	. u	5TE	gL6
. t bpept ir Dr	. u	2T5	gL6
bt Hl -lol bHl bdi BGl igr Dr	. u	5TE	gL6
AHl bdim r Dyr Dr	. u	5TE	gL6
or h-4 ge dim r Dyr Dr	. u	5TE	gL6
SedHl Dr	. u	5TE	gL6
er He-4 ge diB ihl pl iB(G4-)	. u	15	gL6
er He-4 ge dim r Dyr Dr	. u	5TE	gL6
Tetrachloroethene	**0.8**	5TE	gL6
Gl igr Dr	. u	5TE	gL6
eHl Do-1c2-u mhpil Hl r epr Dr	. u	5TE	gL6
eHl Do-1c3-u mhpil Hl bHl br Dr	. u	5TE	gL6
Trichloroethene	**1.0**	5TE	gL6
GHmhpil Hl 7gl Hl Cr ept Dr	. u	5TE	gL6
VnDdi Bz pil Hfl r	. u	5TE	gL6
C do-Xdir Dr o	. u	1T5	gL6
I -Xdir Dr	. u	5TE	gL6

490121-008 Surrogate	%REC	Limits
u mrHl CI 7gl Hl Cr ept Dr	155	05-135
1c2-u mhpil Hl r ept Dr -f 9	/ a	05-135
Gl igr Dr -f /	83	05-135
4 Hl CI 7gl Hl m r Dyr Dr	8E	05-135

, r Lr Df

ND: . l eBur e he f

RL: Rr bl HeDLB, rCre

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: BS **Dil'n Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC1086091 **Batch#:** 320115 **Analysis:** EPA 8260B

Matrix: Water **Analyzed:** 08/11/23 **Analyst:** HMN

QC1086091 Analyte	Spiked	Result	%REC	Limits	Units
TPH Gasoline		NA			
1,1-Dichloroethene	50.00	44.82	90	70-135	ug/L
Benzene	50.00	51.57	103	70-130	ug/L
Chlorobenzene	50.00	54.81	110	70-130	ug/L
MTBE	50.00	42.52	85	70-130	ug/L
Toluene	50.00	50.84	102	70-130	ug/L
Trichloroethene	50.00	60.53	121	70-130	ug/L

QC1086091 Surrogate	%REC	Limits
Dibromofluoromethane	103	70-130
1,2-Dichloroethane-d4	82	70-130
Toluene-d8	95	70-130
Bromofluorobenzene	99	70-130

Type: BSD **Dil'n Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC1086092 **Batch#:** 320115 **Analysis:** EPA 8260B

Matrix: Water **Analyzed:** 08/11/23 **Analyst:** HMN

QC1086092 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
TPH Gasoline		NA					
1,1-Dichloroethene	50.00	44.14	88	70-135	ug/L	2	30
Benzene	50.00	51.66	103	70-130	ug/L	0	30
Chlorobenzene	50.00	55.08	110	70-130	ug/L	1	30
MTBE	50.00	43.52	87	70-130	ug/L	2	30
Toluene	50.00	50.97	102	70-130	ug/L	0	30
Trichloroethene	50.00	61.37	123	70-130	ug/L	1	30

QC1086092 Surrogate	%REC	Limits
Dibromofluoromethane	97	70-130
1,2-Dichloroethane-d4	81	70-130
Toluene-d8	96	70-130
Bromofluorobenzene	98	70-130

Legend

NA: Not Analyzed

RPD: Relative Percent Difference

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: , 90121 **Project#:** 1- 93.0030S106

Client: Rocx Assogiates **Location:** AB&I Focndry

Type: BS **Diln Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC1086093 **Batch#:** 320115 **Analysis:** EPA 8260B

Matrix: Water **Analyzed:** 08/11/23 **Analyst:** HMN

QC1086093 Analyte	Spiked	Result	%REC	Limits	Units
TPH Gasoline	500.0	, 26.,	85	- 0D130	ch/4
17DuigLloroetLene		NA			
Benzene		NA			
CLlorobenzene		NA			
MTBE		NA			
Tolcene		NA			
TrigLloroetLene		NA			

QC1086093 Surrogate	%REC	Limits
uibromoflcorometLane	99	- 0D130
172Duigl loroetLaneD4,	83	- 0D130
TolceneD8	96	- 0D130
Bromoflcorobenzene	9-	- 0D130

Type: BSu **Diln Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC108609, **Batch#:** 320115 **Analysis:** EPA 8260B

Matrix: Water **Analyzed:** 08/11/23 **Analyst:** HMN

QC1086094 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
TPH Gasoline	500.0	398.1	80	- 0D130	ch/4	-	30
17DuigLloroetLene		NA					
Benzene		NA					
CLlorobenzene		NA					
MTBE		NA					
Tolcene		NA					
TrigLloroetLene		NA					

QC1086094 Surrogate	%REC	Limits
uibromoflcorometLane	101	- 0D130
172Duigl loroetLaneD4,	8,	- 0D130
TolceneD8	95	- 0D130
Bromoflcorobenzene	96	- 0D130

4ehend

NA: Not Analyzed

RPD: Relative Pergent u ifferenge

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: BLANK **Dil'n Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC1086097 **Batch#:** 320115 **Analysis:** EPA 8260B

Matrix: Water **Analyzed:** 08/11/23 **Analyst:** HMN

QC1086097 Analyte	Result	RL	Units
TPH Gasoline	ND	50	ug/L
1,1-Dichloroethane	ND	0.5	ug/L
1,1-Dichloroethene	ND	0.5	ug/L
1,1-Dichloropropene	ND	0.5	ug/L
1,1,1-Trichloroethane	ND	0.5	ug/L
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L
1,1,2-Trichloroethane	ND	0.5	ug/L
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L
1,2-Dibromo-3-Chloropropane	ND	2.0	ug/L
1,2-Dibromoethane	ND	0.5	ug/L
1,2-Dichlorobenzene	ND	0.5	ug/L
1,2-Dichloroethane	ND	0.5	ug/L
1,2-Dichloropropane	ND	0.5	ug/L
1,2,3-Trichlorobenzene	ND	0.5	ug/L
1,2,3-Trichloropropane	ND	0.5	ug/L
1,2,4-Trichlorobenzene	ND	0.5	ug/L
1,2,4-Trimethylbenzene	ND	0.5	ug/L
1,3-Dichlorobenzene	ND	0.5	ug/L
1,3-Dichloropropane	ND	0.5	ug/L
1,3,5-Trimethylbenzene	ND	0.5	ug/L
1,4-Dichlorobenzene	ND	0.5	ug/L
2-Butanone	ND	5.0	ug/L
2-Chlorotoluene	ND	0.5	ug/L
2,2-Dichloropropane	ND	0.5	ug/L
4-Chlorotoluene	ND	0.5	ug/L
4-Methyl-2-Pentanone	ND	5.0	ug/L
Acetone	ND	20	ug/L
Benzene	ND	0.5	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	0.5	ug/L
Bromomethane	ND	1.0	ug/L
Bromodichloromethane	ND	0.5	ug/L
Bromoform	ND	1.0	ug/L
Carbon Tetrachloride	ND	0.5	ug/L
Chlorobenzene	ND	0.5	ug/L
Chloroethane	ND	0.5	ug/L
Chloroform	ND	0.5	ug/L
Chloromethane	ND	0.5	ug/L
cis-1,2-Dichloroethene	ND	0.5	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Dibromochloromethane	ND	0.5	ug/L
Dibromomethane	ND	0.5	ug/L

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

QC1086097 Analyte	Result	RL	Units
Ethyl tert-Butyl Ether (ETBE)	ND	0.5	ug/L
Ethylbenzene	ND	0.5	ug/L
Freon 113	ND	0.5	ug/L
Freon 12	ND	0.5	ug/L
Hexachlorobutadiene	ND	2.0	ug/L
Isopropyl Ether (DIPE)	ND	0.5	ug/L
Isopropylbenzene	ND	0.5	ug/L
Methyl tert-Amyl Ether (TAME)	ND	0.5	ug/L
Methylene Chloride	ND	10	ug/L
MTBE	ND	0.5	ug/L
n-Butylbenzene	ND	0.5	ug/L
Naphthalene	ND	2.0	ug/L
para-Isopropyl Toluene	ND	0.5	ug/L
Propylbenzene	ND	0.5	ug/L
sec-Butylbenzene	ND	0.5	ug/L
Styrene	ND	0.5	ug/L
tert-Butyl Alcohol (TBA)	ND	10	ug/L
tert-Butylbenzene	ND	0.5	ug/L
Tetrachloroethene	ND	0.5	ug/L
Toluene	ND	0.5	ug/L
trans-1,2-Dichloroethene	ND	0.5	ug/L
trans-1,3-Dichloropropene	ND	0.5	ug/L
Trichloroethene	ND	0.5	ug/L
Trichlorofluoromethane	ND	0.5	ug/L
Vinyl Chloride	ND	0.5	ug/L
m,p-Xylenes	ND	1.0	ug/L
o-Xylene	ND	0.5	ug/L

QC1086097 Surrogate	%REC	Limits
Dibromofluoromethane	100	70-130
1,2-Dichloroethane-d4	83	70-130
Toluene-d8	94	70-130
Bromofluorobenzene	95	70-130

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: z90121 **Project#:** 1493.0030S106

Client: Ro7x Associates **Location:** AB&I Fo7ndry

Type: BS **Diln Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC1086391 **Batch#:** 320211 **Analysis:** EPA 8260B

Matrix: Water **Analyzed:** 08/12/23 **Analyst:** HMN

QC1086391 Analyte	Spiked	Result	%REC	Limits	Units
TPH Gasoline		NA			
1,1-Dichloroethene	50.00	39.46	80	40-135	7u/g
BenLene	50.00	z9.39	99	40-130	7u/g
ChlorobenLene	50.00	52.46	106	40-130	7u/g
MTBE	50.00	36.8z	4z	40-130	7u/g
Tol7ene	50.00	z9.06	98	40-130	7u/g
Trichloroethene	50.00	61.20	122	40-130	7u/g

QC1086391 Surrogate	%REC	Limits
Dibromofl7oromethane	93	40-130
1,2-Dichloroethane-dz	48	40-130
Tol7ene-d8	95	40-130
BromofI7orobenLene	98	40-130

Type: BSD **Diln Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC1086392 **Batch#:** 320211 **Analysis:** EPA 8260B

Matrix: Water **Analyzed:** 08/12/23 **Analyst:** HMN

QC1086392 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
TPH Gasoline		NA					
1,1-Dichloroethene	50.00	z1.89	8z	40-135	7u/g	5	30
BenLene	50.00	z9.z6	99	40-130	7u/g	0	30
ChlorobenLene	50.00	53.03	106	40-130	7u/g	1	30
MTBE	50.00	z1.34	83	40-130	7u/g	12	30
Tol7ene	50.00	z8.94	98	40-130	7u/g	0	30
Trichloroethene	50.00	59.4z	119	40-130	7u/g	2	30

QC1086392 Surrogate	%REC	Limits
Dibromofl7oromethane	91	40-130
1,2-Dichloroethane-dz	48	40-130
Tol7ene-d8	96	40-130
BromofI7orobenLene	98	40-130

geuend

NA: Not AnalyLed

RPD: Relative Percent Difference

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: , 90121 **Project#:** 1- 93.0030S106

Client: Rocx Assogiates **Location:** AB&I Focndry

Type: BS **Diln Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC1086393 **Batch#:** 320211 **Analysis:** EPA 8260B

Matrix: Water **Analyzed:** 08/12/23 **Analyst:** HMN

QC1086939 Analyte	Spiked	Result	%REC	Limits	Units
TPH Gasoline	500.0	, 5, .3	91	- 0□130	ch/4
17□Du igLloroetLene		NA			
Benzene		NA			
CLlorobenzene		NA			
MTBE		NA			
Tolcene		NA			
TrigLloroetLene		NA			

QC1086939 Surrogate	%REC	Limits
u ibromoflcorometLane	9-	- 0□130
172□Du igLloroetLane□d,	82	- 0□130
Tolcene□d8	95	- 0□130
Bromoflcorobenzene	96	- 0□130

Type: BSu **Diln Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC108639, **Batch#:** 320211 **Analysis:** EPA 8260B

Matrix: Water **Analyzed:** 08/12/23 **Analyst:** HMN

QC1086934 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
TPH Gasoline	500.0	, 11.1	82	- 0□130	ch/4	10	30
17□Du igLloroetLene		NA					
Benzene		NA					
CLlorobenzene		NA					
MTBE		NA					
Tolcene		NA					
TrigLloroetLene		NA					

QC1086934 Surrogate	%REC	Limits
u ibromoflcorometLane	9-	- 0□130
172□Du igLloroetLane□d,	83	- 0□130
Tolcene□d8	9,	- 0□130
Bromoflcorobenzene	95	- 0□130

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NA: Not Analyzed

RPD: Relative Pergent u ifferenge

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: BLANK **Diln Fac:** 1.000 **Prep:** EPA 5030B

Lab ID: QC1086397 **Batch#:** 320211 **Analysis:** EPA 8260B

Matrix: Water **Analyzed:** 08/12/23 **Analyst:** EJB

QC1086397 Analyte	Result	RL	Units
TPH Gasoline	ND	50	ug/L
1,1-Dichloroethane	ND	0.5	ug/L
1,1-Dichloroethene	ND	0.5	ug/L
1,1-Dichloropropene	ND	0.5	ug/L
1,1,1-Trichloroethane	ND	0.5	ug/L
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L
1,1,2-Trichloroethane	ND	0.5	ug/L
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L
1,2-Dibromo-3-Chloropropane	ND	2.0	ug/L
1,2-Dibromoethane	ND	0.5	ug/L
1,2-Dichlorobenzene	ND	0.5	ug/L
1,2-Dichloroethane	ND	0.5	ug/L
1,2-Dichloropropane	ND	0.5	ug/L
1,2,3-Trichlorobenzene	ND	0.5	ug/L
1,2,3-Trichloropropane	ND	0.5	ug/L
1,2,4-Trichlorobenzene	ND	0.5	ug/L
1,2,4-Trimethylbenzene	ND	0.5	ug/L
1,3-Dichlorobenzene	ND	0.5	ug/L
1,3-Dichloropropane	ND	0.5	ug/L
1,3,5-Trimethylbenzene	ND	0.5	ug/L
1,4-Dichlorobenzene	ND	0.5	ug/L
2-Butanone	ND	5.0	ug/L
2-Chlorotoluene	ND	0.5	ug/L
2,2-Dichloropropane	ND	0.5	ug/L
4-Chlorotoluene	ND	0.5	ug/L
4-Methyl-2-Pentanone	ND	5.0	ug/L
Acetone	ND	20	ug/L
Benzene	ND	0.5	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	0.5	ug/L
Bromomethane	ND	1.0	ug/L
Bromodichloromethane	ND	0.5	ug/L
Bromoform	ND	1.0	ug/L
Carbon Tetrachloride	ND	0.5	ug/L
Chlorobenzene	ND	0.5	ug/L
Chloroethane	ND	0.5	ug/L
Chloroform	ND	0.5	ug/L
Chloromethane	ND	0.5	ug/L
cis-1,2-Dichloroethene	ND	0.5	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Dibromochloromethane	ND	0.5	ug/L
Dibromomethane	ND	0.5	ug/L

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

QC1086397 Analyte	Result	RL	Units
Ethyl tert-Butyl Ether (ETBE)	ND	0.5	ug/L
Ethylbenzene	ND	0.5	ug/L
Freon 113	ND	0.5	ug/L
Freon 12	ND	0.5	ug/L
Hexachlorobutadiene	ND	2.0	ug/L
Isopropyl Ether (DIPE)	ND	0.5	ug/L
Isopropylbenzene	ND	0.5	ug/L
Methyl tert-Amyl Ether (TAME)	ND	0.5	ug/L
Methylene Chloride	ND	10	ug/L
MTBE	ND	0.5	ug/L
n-Butylbenzene	ND	0.5	ug/L
Naphthalene	ND	2.0	ug/L
para-Isopropyl Toluene	ND	0.5	ug/L
Propylbenzene	ND	0.5	ug/L
sec-Butylbenzene	ND	0.5	ug/L
Styrene	ND	0.5	ug/L
tert-Butyl Alcohol (TBA)	ND	10	ug/L
tert-Butylbenzene	ND	0.5	ug/L
Tetrachloroethene	ND	0.5	ug/L
Toluene	ND	0.5	ug/L
trans-1,2-Dichloroethene	ND	0.5	ug/L
trans-1,3-Dichloropropene	ND	0.5	ug/L
Trichloroethene	ND	0.5	ug/L
Trichlorofluoromethane	ND	0.5	ug/L
Vinyl Chloride	ND	0.5	ug/L
m,p-Xylenes	ND	1.0	ug/L
o-Xylene	ND	0.5	ug/L

QC1086397 Surrogate	%REC	Limits
Dibromofluoromethane	98	70-130
1,2-Dichloroethane-d4	83	70-130
Toluene-d8	94	70-130
Bromofluorobenzene	95	70-130

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polyaromatic Hydrocarbons by 8270 SIM

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	MW-10	**Batch#:**	320261	**Analyzed:**	08/14/23
Lab ID:	490121-001	**Sampled:**	08/09/23	**Prep:**	EPA 3510C
Matrix:	Water	**Received:**	08/09/23	**Analysis:**	EPA 8270C-SIM
DilIn Fac:	1.000	**Prepared:**	08/14/23	**Analyst:**	TJW

490121-001 Analyte	Result	RL	Units
1-Methylnaphthalene	ND	0.54	ug/L
2-Methylnaphthalene	ND	0.54	ug/L
Naphthalene	ND	0.54	ug/L
Acenaphthylene	ND	0.54	ug/L
Acenaphthene	ND	0.54	ug/L
Fluorene	ND	0.54	ug/L
Phenanthrene	ND	0.54	ug/L
Anthracene	ND	0.54	ug/L
Fluoranthene	ND	0.54	ug/L
Pyrene	ND	0.54	ug/L
Benzo(a)anthracene	ND	0.54	ug/L
Chrysene	ND	0.54	ug/L
Benzo(b)fluoranthene	ND	0.54	ug/L
Benzo(k)fluoranthene	ND	0.54	ug/L
Benzo(a)pyrene	ND	0.54	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.54	ug/L
Dibenz(a,h)anthracene	ND	0.54	ug/L
Benzo(g,h,i)perylene	ND	0.54	ug/L

490121-001 Surrogate	%REC	Limits
Nitrobenzene-d5	78	16-125
2-Fluorobiphenyl	77	17-120
Terphenyl-d14	88	39-123

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polyaromatic Hydrocarbons by 8270 SIM

Lab #: 492131 **Project#:** 1790.2202S126

Client: Rohx Assoniates **Location:** AB&I Fohpdru

Field ID:	MW-11	**Batch#:**	032361	**Analyzed:**	28/14/30
Lab ID:	492131-223	**Sampled:**	28/29/30	**Prep:**	EPA 0512C
Matrix:	Water	**Received:**	28/29/30	**Analysis:**	EPA 8372C-SIM
DiIn Fac:	1.222	**Prepared:**	28/14/30	**Analyst:**	TJW

490121-002 Analyte	Result	RL	Units
1-MethyInaphthalene	**7.4**	2.53	hy/I
2-MethyInaphthalene	**4.4**	2.53	hy/I
Naphthalene	**2.8**	2.53	hy/I
AnepaNDtDugepe	L c	2.53	hy/I
AnepaNDtDepe	L c	2.53	hy/I
Fghorepe	L c	2.53	hy/I
PDepaptDrepe	L c	2.53	hy/I
AptDranepe	L c	2.53	hy/I
FghoraptDepe	L c	2.53	hy/I
Purepe	L c	2.53	hy/I
Bepzo(a)aptDranepe	L c	2.53	hy/I
CDrusepe	L c	2.53	hy/I
Bepzo(b)fghoraptDepe	L c	2.53	hy/I
Bepzo(k)fghoraptDepe	L c	2.53	hy/I
Bepzo(a)Nurepe	L c	2.53	hy/I
Ipdepo(1,3,0-nd)Nurepe	L c	2.53	hy/I
c ibepz(a,D)aptDranepe	L c	2.53	hy/I
Bepzo(y,D,i)Nerugepe	L c	2.53	hy/I

490121-002 Surrogate	%REC	Limits
L itrobepzepe-d5	99	16-135
3-FghorobiNDepug	73	17-132
TerNDepugd14	88	09-130

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ENTHALPY ANALYTICAL

Polyaromatic Hydrocarbons by 8270 SIM

Lab #: 492101 **Project#:** 1793.2232S126

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	MW-10	**Batch#:**	302061	**Analyzed:**	28/14/03
Lab ID:	492101-223	**Sampled:**	28/29/03	**Prep:**	EPA 3512C
Matrix:	Water	**Received:**	28/29/03	**Analysis:**	EPA 8072C-SIM
DilIn Fac:	1.222	**Prepared:**	28/14/03	**Analyst:**	TJW

490121-003 Analyte	Result	RL	Units
1-Methylnaphthalene	ND	2.52	ug/L
0-Methylnaphthalene	ND	2.52	ug/L
Naphthalene	ND	2.52	ug/L
Acenaphthylene	ND	2.52	ug/L
Acenaphthene	ND	2.52	ug/L
Fluorene	ND	2.52	ug/L
Phenanthrene	ND	2.52	ug/L
Anthracene	ND	2.52	ug/L
Fluoranthene	ND	2.52	ug/L
Pyrene	ND	2.52	ug/L
Benzo(a)anthracene	ND	2.52	ug/L
Chrysene	ND	2.52	ug/L
Benzo(b)fluoranthene	ND	2.52	ug/L
Benzo(k)fluoranthene	ND	2.52	ug/L
Benzo(a)pyrene	ND	2.52	ug/L
Indeno(1,0,3-cd)pyrene	ND	2.52	ug/L
Dibenz(a,h)anthracene	ND	2.52	ug/L
Benzo(g,h,i)perylene	ND	2.52	ug/L

490121-003 Surrogate	%REC	Limits
Nitrobenzene-d5	59	16-105
0-Fluorobiphenyl	51	17-102
Terphenyl-d14	80	39-103

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

P. lyar. matic Eydr. carb. ns by C2H0 SIM

Lab #: 492131 **Pr. ject#:** 1790.2202S126

g lient: Rohx AssoLiates **L. cati. n:** AB&I Fohudrc

Field ID:	MW-10	**Batch#:**	032361	**Analyzed:**	28/14/30
Lab ID:	492131-224	**Sampled:**	28/29/30	**Prep:**	EPA 0512C
Matrix:	Water	**Received:**	28/29/30	**Analysis:**	EPA 8372C-SIM
DiIn Fac:	1.222	**Prepared:**	28/14/30	**Analyst:**	TJW

490121-004 Analyte	Result	RL	Units
1-MethyInaphthalene	**172**	2.48	hy/I
2-MethyInaphthalene	**0792**	2.48	hy/I
n apNtNaD2ue	n g	2.48	hy/I
ALeuapNtNcD2ue	n g	2.48	hy/I
ALeuapNtNeue	n g	2.48	hy/I
FDoreue	n g	2.48	hy/I
PNeuautNreue	n g	2.48	hy/I
AutNraLeue	n g	2.48	hy/I
FDorautNeue	n g	2.48	hy/I
Pcreue	n g	2.48	hy/I
Beuzo(a)autNraLeue	n g	2.48	hy/I
CNrcseue	n g	2.48	hy/I
Beuzo(b)fDorautNeue	n g	2.48	hy/I
Beuzo(k)fDorautNeue	n g	2.48	hy/I
Beuzo(a)pcreue	n g	2.48	hy/I
Iudeuo(1,3,0-Ld)pcreue	n g	2.48	hy/I
g ibeuz(a,N)autNraLeue	n g	2.48	hy/I
Beuzo(y,N,i)percD2ue	n g	2.48	hy/I

490121-004 Surr. Nate	8 Rog	Limits
n itrobeuzeue-d5	74	16-135
3-FDiorobipNeucD	69	17-132
TerpNeucD3d14	77	09-130

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ENTHALPY ANALYTICAL

Polyaromatic Hydrocarbons by 8270 SIM

Lab #: 096121 **Project#:** 1793.6636S168

Client: Roux5 ssociates **Location:** B&l5Foundry

Field ID:	MW-10	**Batch#:**	326281	**Analyzed:**	6/ 410423
Lab ID:	096121-66E	**Sampled:**	6/ 469423	**Prep:**	PA 53E16C
Matrix:	Water	**Received:**	6/ 469423	**Analysis:**	PA 5/ 276C-SIM
DilIn Fac:	1.666	**Prepared:**	6/ 410423	**Analyst:**	TJW

490121-005 Analyte	Result	RL	Units
1-Methylnaphthalene	ND	6.0/	ug4_
2-Methylnaphthalene	ND	6.0/	ug4_
Naphthalene	ND	6.0/	ug4_
cenaphthylene	ND	6.0/	ug4_
cenaphthene	ND	6.0/	ug4_
Fluorene	ND	6.0/	ug4_
Ahenanthrene	ND	6.0/	ug4_
nthracene	ND	6.0/	ug4_
Fluoranthene	ND	6.0/	ug4_
Ayrene	ND	6.0/	ug4_
Benzo(a)anthracene	ND	6.0/	ug4_
Chrysene	ND	6.0/	ug4_
Benzo(b)fluoranthene	ND	6.0/	ug4_
Benzo(k)fluoranthene	ND	6.0/	ug4_
Benzo(a)pyrene	ND	6.0/	ug4_
Indeno(1,2,3-cd)pyrene	ND	6.0/	ug4_
Dibenz(a,h)anthracene	ND	6.0/	ug4_
Benzo(g,h,i)perylene	ND	6.0/	ug4_

490121-005 Surrogate	%REC	Limits
Nitrobenzene-dE	/ 3	18-12E
2-Fluorobiphenyl	7/	17-126
Terphenyl-d10	79	39-123

Legend

ND: Not5Detected

RL: Reporting5Limit

ENTHALPY ANALYTICAL

Polyaromatic Hydrocarbons by 8270 SIM

Lab #: 9E6121 **Project#:** 17E3.6636S168

Client: Roux5 ssociates **Location:** B&l5Foundry

Field ID:	MW-10	**Batch#:**	326281	**Analyzed:**	6/ 410423
Lab ID:	9E6121-668	**Sampled:**	6/ 46E423	**Prep:**	PA 53016C
Matrix:	Water	**Received:**	6/ 46E423	**Analysis:**	PA 5/ 276C-SIM
DilIn Fac:	1.666	**Prepared:**	6/ 419423	**Analyst:**	TJW

490121-006 Analyte	Result	RL	Units
1-Methylnaphthalene	ND	6.97	ug4_
2-Methylnaphthalene	ND	6.97	ug4_
Naphthalene	ND	6.97	ug4_
cenaphthylene	ND	6.97	ug4_
cenaphthene	ND	6.97	ug4_
Fluorene	ND	6.97	ug4_
Ahenanthrene	ND	6.97	ug4_
nthracene	ND	6.97	ug4_
Fluoranthene	ND	6.97	ug4_
Ayrene	ND	6.97	ug4_
Benzo(a)anthracene	ND	6.97	ug4_
Chrysene	ND	6.97	ug4_
Benzo(b)fluoranthene	ND	6.97	ug4_
Benzo(k)fluoranthene	ND	6.97	ug4_
Benzo(a)pyrene	ND	6.97	ug4_
Indeno(1,2,3-cd)pyrene	ND	6.97	ug4_
Dibenz(a,h)anthracene	ND	6.97	ug4_
Benzo(g,h,i)perylene	ND	6.97	ug4_

490121-006 Surrogate	%REC	Limits
Nitrobenzene-d0	07	18-120
2-Fluorobiphenyl	00	17-126
Terphenyl-d19	78	3E-123

Legend

ND: Not5Detected

RL: Reporting5Limit

ENTHALPY ANALYTICAL

Pglyargmatic 8ydrgcarbgns by 72u0 SIM

Lab #: 496121 **Prgject#:** 1E93.6636S160

Nlient: Roux5 ssocit er s **Lgcatign:** B&l5Found7y

Field ID:	MW-10	**Batch#:**	326201	**Analyzed:**	68/14/23
Lab ID:	496121-66E	**Sampled:**	68/69/23	**Prep:**	PA 53C16a
Matrix:	Wt er 7	**Received:**	68/69/23	**Analysis:**	PA 532E6a-SIM
DiIn Fac:	1.666	**Prepared:**	68/14/23	**Analyst:**	TJW

490121-00u Analyte	ResUlt	RL	onits
1-Mr ehylnt phent lr nr	ND	6.C6	ug/L
2-Mr ehylnt phent lr nr	ND	6.C6	ug/L
Nt phent lr nr	ND	6.C6	ug/L
cr nt phehylr nr	ND	6.C6	ug/L
cr nt phehr nr	ND	6.C6	ug/L
Fluo7r nr	ND	6.C6	ug/L
Ahr nt neh7r nr	ND	6.C6	ug/L
neh7t cr nr	ND	6.C6	ug/L
Fluo7t neh r nr	ND	6.C6	ug/L
Ay7r nr	ND	6.C6	ug/L
Br nzo(t)t neh7t cr nr	ND	6.C6	ug/L
a h7ysr nr	ND	6.C6	ug/L
Br nzo(b)fluo7t neh r nr	ND	6.C6	ug/L
Br nzo(k)fluo7t neh r nr	ND	6.C6	ug/L
Br nzo(t)py7r nr	ND	6.C6	ug/L
Indr no(1,2,3-cd)py7r nr	ND	6.C6	ug/L
Dibr nz(t ,h)t neh7t cr nr	ND	6.C6	ug/L
Br nzo(g,h,i)pr 7ylr nr	ND	6.C6	ug/L

490121-00u SUrrg%ate	E RCN	Limits
Nie7obr nzr nr -dC	88	10-12C
2-Fluo7obiphr nyl	E4	1E-126
Tr 7phr nyl-d14	04	39-123

Lr grnd

HD: Noe5Dr e ce d

RL: Rr po7ing5Limie

ENTHALPY ANALYTICAL

Pglyargmatic 8ydrgcarbgns by u270 SIM

Lab #: 9E6121 **Prgject#:** 10E3.6636S168

Nlient: Roux5 ssocit er s **Lgcatign:** B&l5Found7y

Field ID:	MW-10	**Batch#:**	326281	**Analyzed:**	6/ 419423
Lab ID:	9E6121-66/	**Sampled:**	6/ 46E423	**Prep:**	PA 53C16a
Matrix:	Wt er 7	**Received:**	6/ 46E423	**Analysis:**	PA 5/ 206a-SIM
DiIn Fac:	1.666	**Prepared:**	6/ 419423	**Analyst:**	TJW

490121-00u Analyte	ResUlt	RL	o nits
1-Mr ehylnt phent lr nr	ND	6.C2	ug4_
2-Mr ehylnt phent lr nr	ND	6.C2	ug4_
Nt phent lr nr	ND	6.C2	ug4_
cr nt phehylr nr	ND	6.C2	ug4_
cr nt phehr nr	ND	6.C2	ug4_
Fluo7r nr	ND	6.C2	ug4_
Ahr nt neh7r nr	ND	6.C2	ug4_
neh7t cr nr	ND	6.C2	ug4_
Fluo7t nehr nr	ND	6.C2	ug4_
Ay7r nr	ND	6.C2	ug4_
Br nzo(t)t neh7t cr nr	ND	6.C2	ug4_
a h7ysr nr	ND	6.C2	ug4_
Br nzo(b)fluo7t nehr nr	ND	6.C2	ug4_
Br nzo(k)fluo7t nehr nr	ND	6.C2	ug4_
Br nzo(t)py7r nr	ND	6.C2	ug4_
Indr no(1,2,3-cd)py7r nr	ND	6.C2	ug4_
Dibr nz(t ,h)t neh7t cr nr	ND	6.C2	ug4_
Br nzo(g,h,i)pr 7ylr nr	ND	6.C2	ug4_

490121-00u SUrrg%ate	E RCN	Limits
Nie7obr nzr nr -dC	CE	18-12C
2-Fluo7obiphr nyl	C8	10-126
Tr 7phr nyl-d19	89	3E-123

Lr grnd

HD: Noe5Dr ercer d

RL: Rr po7engs5Limie

ENTHALPY ANALYTICAL

Polyaromatic Hydrocarbons by 8270 SIM: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: BLANK **Batch#:** 320261 **Analysis:** EPA 8270C-SIM

Lab ID: QC1086755 **Prepared:** 08/14/23 **Analyst:** TJW

Matrix: Water **Analyzed:** 08/14/23

DilnFac: 1.000 **Prep:** EPA 3510C

QC1086755 Analyte	Result	RL	Units
1-Methylnaphthalene	ND	0.50	ug/L
2-Methylnaphthalene	ND	0.50	ug/L
Naphthalene	ND	0.50	ug/L
Acenaphthylene	ND	0.50	ug/L
Acenaphthene	ND	0.50	ug/L
Fluorene	ND	0.50	ug/L
Phenanthrene	ND	0.50	ug/L
Anthracene	ND	0.50	ug/L
Fluoranthene	ND	0.50	ug/L
Pyrene	ND	0.50	ug/L
Benzo(a)anthracene	ND	0.50	ug/L
Chrysene	ND	0.50	ug/L
Benzo(b)fluoranthene	ND	0.50	ug/L
Benzo(k)fluoranthene	ND	0.50	ug/L
Benzo(a)pyrene	ND	0.50	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.50	ug/L
Dibenz(a,h)anthracene	ND	0.50	ug/L
Benzo(g,h,i)perylene	ND	0.50	ug/L

QC1086755 Surrogate	%REC	Limits
Nitrobenzene-d5	74	16-125
2-Fluorobiphenyl	72	17-120
Terphenyl-d14	89	39-123

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polyaromatic Hydrocarbons by 8270 SIM: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: BS **Batch#:** 320261 **Analysis:** EPA 8270C-SIM

Lab ID: QC1086756 **Prepared:** 08/14/23 **Analyst:** TJW

Matrix: Water **Analyzed:** 08/14/23

DilN Fac: 1.000 **Prep:** EPA 3510C

QC1086756 Analyte	Spiked	Result	%REC	Limits	Units
1-Methylnaphthalene	4.000	3.108	78	23-120	ug/L
2-Methylnaphthalene	4.000	3.113	78	33-120	ug/L
Naphthalene	4.000	3.052	76	38-120	ug/L
Acenaphthylene	4.000	3.548	89	37-120	ug/L
Acenaphthene	4.000	3.502	88	39-120	ug/L
Fluorene	4.000	3.393	85	43-120	ug/L
Phenanthrene	4.000	3.737	93	42-120	ug/L
Anthracene	4.000	3.882	97	42-120	ug/L
Fluoranthene	4.000	3.949	99	48-120	ug/L
Pyrene	4.000	4.061	102	44-120	ug/L
Benzo(a)anthracene	4.000	4.133	103	51-126	ug/L
Chrysene	4.000	3.992	100	47-120	ug/L
Benzo(b)fluoranthene	4.000	4.223	106	44-127	ug/L
Benzo(k)fluoranthene	4.000	4.272	107	43-127	ug/L
Benzo(a)pyrene	4.000	4.037	101	29-124	ug/L
Indeno(1,2,3-cd)pyrene	4.000	3.639	91	44-127	ug/L
Dibenz(a,h)anthracene	4.000	3.655	91	55-120	ug/L
Benzo(g,h,i)perylene	4.000	3.682	92	46-120	ug/L

QC1086756 Surrogate	%REC	Limits
Nitrobenzene-d5	72	16-125
2-Fluorobiphenyl	64	17-120
Terphenyl-d14	79	39-123

ENTHALPY ANALYTICAL

Polyaromatic Hydrocarbons by 8270 SIM: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: BSD **Batch#:** 320261 **Analysis:** EPA 8270C-SIM

Lab ID: QC1086757 **Prepared:** 08/14/23 **Analyst:** TJW

Matrix: Water **Analyzed:** 08/14/23

DiIn Fac: 1.000 **Prep:** EPA 3510C

QC1086757 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
1-Methylnaphthalene	4.000	3.189	80	23-120	ug/L	3	20
2-Methylnaphthalene	4.000	3.177	79	33-120	ug/L	2	20
Naphthalene	4.000	3.234	81	38-120	ug/L	6	20
Acenaphthylene	4.000	3.643	91	37-120	ug/L	3	20
Acenaphthene	4.000	3.555	89	39-120	ug/L	2	20
Fluorene	4.000	3.524	88	43-120	ug/L	4	20
Phenanthrene	4.000	3.854	96	42-120	ug/L	3	20
Anthracene	4.000	4.001	100	42-120	ug/L	3	20
Fluoranthene	4.000	4.170	104	48-120	ug/L	5	20
Pyrene	4.000	4.285	107	44-120	ug/L	5	20
Benzo(a)anthracene	4.000	4.413	110	51-126	ug/L	7	20
Chrysene	4.000	4.282	107	47-120	ug/L	7	20
Benzo(b)fluoranthene	4.000	4.504	113	44-127	ug/L	6	20
Benzo(k)fluoranthene	4.000	4.629	116	43-127	ug/L	8	20
Benzo(a)pyrene	4.000	4.294	107	29-124	ug/L	6	20
Indeno(1,2,3-cd)pyrene	4.000	4.011	100	44-127	ug/L	10	20
Dibenz(a,h)anthracene	4.000	4.052	101	55-120	ug/L	10	20
Benzo(g,h,i)perylene	4.000	4.074	102	46-120	ug/L	10	20

QC1086757 Surrogate	%REC	Limits
Nitrobenzene-d5	76	16-125
2-Fluorobiphenyl	69	17-120
Terphenyl-d14	86	39-123

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

%sOar EchlEsir e yezticidez

baS #: 490121 **ysENect#:** 1793.0030S106

j lier t: Roux Associates **bEcatiEr :** AB&I Foundry

Field ID:	MW-10	**Batch#:**	320174	**Pr alpLed:**	08/15/23
baS ID:	490121-001	**maA nled:**	08/09/23	**y sen:**	EPA 3510C
Matsix:	Water	**Received:**	08/09/23	**Pr alpziz:**	EPA 8081A
Dilr Fac:	1.000	**y senased:**	08/11/23	**Pr alpzt:**	MES

490121-001 Pr alpte	Rezult	Rb	Ur itz
alpha-BHC	ND	0.05	ug/L
beta-BHC	ND	0.05	ug/L
gamma-BHC	ND	0.05	ug/L
delta-BHC	ND	0.05	ug/L
Heptachlor	ND	0.05	ug/L
Aldrin	ND	0.05	ug/L
Heptachlor epoxide	ND	0.05	ug/L
Endosulfan I	ND	0.05	ug/L
Dieldrin	ND	0.1	ug/L
4,4'-DDE	ND	0.1	ug/L
Endrin	ND	0.1	ug/L
Endosulfan II	ND	0.1	ug/L
Endosulfan sulfate	ND	0.1	ug/L
4,4'-DDD	ND	0.1	ug/L
Endrin aldehyde	ND	0.1	ug/L
Endrin ketone	ND	0.1	ug/L
4,4'-DDT	ND	0.1	ug/L
Methoxychlor	ND	0.1	ug/L
Toxaphene	ND	2.0	ug/L
Chlordane (Technical)	ND	1.0	ug/L

490121-001 mussEOate	g Roj	biA itz
TCMX	48	14-120
Decachlorobiphenyl	64	20-120

Legend

CD: Not Detected

Rb: Reporting Limit

ENTHALPY ANALYTICAL

%sOar EchlEsir e yezticidez

baS #: 492131 **ysENect#:** 1790.2202S12R

j lier t: 6 oux Associates **bEcatiEr :** AB&I Foundry

Field ID:	MW-11	**Batch#:**	032174	**Pr alpLed:**	28/15/30
baS ID:	492131-223	**maA nled:**	28/29/30	**y sen:**	EPA 0512C
Matsix:	Water	**Received:**	28/29/30	**Pr alpziz:**	EPA 8281A
Dilr Fac:	1.222	**y senased:**	28/11/30	**Pr alpzt:**	MES

490121-002 Pr alpte	Rezult	Rb	Ur itz
alpha-BHC	ND	2.25	ug/L
beta-BHC	ND	2.25	ug/L
gamma-BHC	ND	2.25	ug/L
delta-BHC	ND	2.25	ug/L
Heptachlor	ND	2.25	ug/L
Aldrin	ND	2.25	ug/L
Heptachlor epoxide	ND	2.25	ug/L
Endosulfan I	ND	2.25	ug/L
Dieldrin	ND	2.1	ug/L
4,4'-DDE	ND	2.1	ug/L
Endrin	ND	2.1	ug/L
Endosulfan II	ND	2.1	ug/L
Endosulfan sulfate	ND	2.1	ug/L
4,4'-DDD	ND	2.1	ug/L
Endrin aldehyde	ND	2.1	ug/L
Endrin ketone	ND	2.1	ug/L
4,4'-DDT	ND	2.1	ug/L
Methoxychlor	ND	2.1	ug/L
Toxaphene	ND	3.2	ug/L
Chlordane (Technical)	ND	1.2	ug/L

490121-002 mussEOate	g Roj	biA itz
TCMX	40	14-132
Decachlorobiphenyl	44	32-132

Legend

CD: Not Detected

Rb: 6 eporting Limit

ENTHALPY ANALYTICAL

%sOar EchlEsir e yezticidez

baS #: 492101 **ysENect#:** 1793.2232S126

j lier t: Roux Associates **bEcatiEr :** AB&I Foundry

Field ID:	MW-10	**Batch#:**	302174	**Pr alpLed:**	28/15/03
baS ID:	492101-223	**maA nled:**	28/29/03	**y sen:**	EPA 3512C
Matsix:	Water	**Received:**	28/29/03	**Pr alpziz:**	EPA 8281A
Dilr Fac:	1.222	**y senased:**	28/11/03	**Pr alpzt:**	MES

490121-007 Pr alpte	Rezult	Rb	Ur itz
alpha-BHC	ND	2.25	ug/L
beta-BHC	ND	2.25	ug/L
gamma-BHC	ND	2.25	ug/L
delta-BHC	ND	2.25	ug/L
Heptachlor	ND	2.25	ug/L
Aldrin	ND	2.25	ug/L
Heptachlor epoxide	ND	2.25	ug/L
Endosulfan I	ND	2.25	ug/L
Dieldrin	ND	2.1	ug/L
4,4'-DDE	ND	2.1	ug/L
Endrin	ND	2.1	ug/L
Endosulfan II	ND	2.1	ug/L
Endosulfan sulfate	ND	2.1	ug/L
4,4'-DDD	ND	2.1	ug/L
Endrin aldehyde	ND	2.1	ug/L
Endrin ketone	ND	2.1	ug/L
4,4'-DDT	ND	2.1	ug/L
Methoxychlor	ND	2.1	ug/L
Toxaphene	ND	0.2	ug/L
Chlordane (Technical)	ND	1.2	ug/L

490121-007 mussEOate	g Roj	biA itz
TCMX	65	14-102
Decachlorobiphenyl	73	02-102

Legend

CD: Not Detected

Rb: Reporting Limit

ENTHALPY ANALYTICAL

%sOar EchlEsir e yezticidez

baS #: 492131 **ysENect#:** 1790.2202S126

j lier t: Roux Associates **bEcatiEr :** AB&I Foundry

Field ID:	MW-10	**Batch#:**	032174	**Pr alpLed:**	28/15/30
baS ID:	492131-224	**maA nled:**	28/29/30	**y sen:**	EPA 0512C
Matsix:	Water	**Received:**	28/29/30	**Pr alpziz:**	EPA 8281A
Dilr Fac:	1.222	**y senased:**	28/11/30	**Pr alpzt:**	MES

490121-004 Pr alpte	Rezult	Rb	Ur itz
alpha-BHC	ND	2.25	ug/L
beta-BHC	ND	2.25	ug/L
gamma-BHC	ND	2.25	ug/L
delta-BHC	ND	2.25	ug/L
Heptachlor	ND	2.25	ug/L
Aldrin	ND	2.25	ug/L
Heptachlor epoxide	ND	2.25	ug/L
Endosulfan I	ND	2.25	ug/L
Dieldrin	ND	2.29	ug/L
4,4'-DDE	ND	2.29	ug/L
Endrin	ND	2.29	ug/L
Endosulfan II	ND	2.29	ug/L
Endosulfan sulfate	ND	2.29	ug/L
4,4'-DDD	ND	2.29	ug/L
Endrin aldehyde	ND	2.29	ug/L
Endrin ketone	ND	2.29	ug/L
4,4'-DDT	ND	2.29	ug/L
Methoxychlor	ND	2.29	ug/L
Toxaphene	ND	1.9	ug/L
Chlordane (Technical)	ND	2.9	ug/L

490121-004 mussECate	g Roj	biA itz
TCMX	56	14-132
Decachlorobiphenyl	74	32-132

Legend

CD: Not Detected

Rb: Reporting Limit

ENTHALPY ANALYTICAL

%sOar EchlEsir e yezticidez

baS #: 097121 **ysENect#:** 1493.7737S176

j lier t: Roux Associates **bEcatiEr :** AB&I Foundry

Field ID: MW-10 **Batch#:** 327140 **Pr alpLed:** 78/15/23

baS ID: 097121-775 **maA nled:** 78/79/23 **ysen:** EPA 3517C

Matsix: Water **Received:** 78/79/23 **Pr alpziz:** EPA 8781A

Dilr Fac: 1.777 **ysenased:** 78/11/23 **Pr alpzt:** MES

490121-005 Pr alpte	Rezult	Rb	Ur itz
alpha-BHC	ND	7.75	ug/L
beta-BHC	ND	7.75	ug/L
gamma-BHC	ND	7.75	ug/L
delta-BHC	ND	7.75	ug/L
Heptachlor	ND	7.75	ug/L
Aldrin	ND	7.75	ug/L
Heptachlor epoxide	ND	7.75	ug/L
Endosulfan I	ND	7.75	ug/L
Dieldrin	ND	7.79	ug/L
0,0'-DDE	ND	7.79	ug/L
Endrin	ND	7.79	ug/L
Endosulfan II	ND	7.79	ug/L
Endosulfan sulfate	ND	7.79	ug/L
0,0'-DDD	ND	7.79	ug/L
Endrin aldehyde	ND	7.79	ug/L
Endrin ketone	ND	7.79	ug/L
0,0'-DDT	ND	7.79	ug/L
Methoxychlor	ND	7.79	ug/L
Toxaphene	ND	1.9	ug/L
Chlordane (Technical)	ND	7.9	ug/L

490121-005 mussEOate	g Roj	biA itz
TCMX	56	10-127
Decachlorobiphenyl	62	27-127

Legend

CD: Not Detected

Rb: Reporting Limit

ENTHALPY ANALYTICAL

Organochlorine Pesticides

Lab #: 897121 **Project#:** 1493S7737I 17E

Client: Ri gsC f f i ont er f **Location:** H&,CFi gxc.k

Field ID:	MW-10	**Batch#:**	327148	**Analyzed:**	7/ 5105 23
Lab ID:	897121-77E	**Sampled:**	7/ 5795 23	**Prep:**	PA C3017a
Matrix:	Wt er .	**Received:**	7/ 5795 23	**Analysis:**	PA C7/ 1
DiIn Fac:	1S77	**Prepared:**	7/ 5115 23	**Analyst:**	MPI

490121-006 Analyte	Result	RL	Units
t phBt -HNa	Du	7S70	gL5b
m re -HNa	Du	7S70	gL5b
Lt d d t -HNa	Du	7S70	gL5b
cr pot -HNa	Du	7S70	gL5b
Nr he oBpi .	Du	7S70	gL5b
pc. nx	Du	7S70	gL5b
Nr he oBpi .C hi sr cr	Du	7S70	gL5b
Pxci f gpt xC,	Du	7S70	gL5b
u n pc. nx	Du	7S79	gL5b
8'8y u u P	Du	7S79	gL5b
Pxc. nx	Du	7S79	gL5b
Pxci f gpt xC,	Du	7S79	gL5b
Pxci f gpt xCCgpt er	Du	7S79	gL5b
8'8y u u u	Du	7S79	gL5b
Pxc. nxCCpcr Bkcr	Du	7S79	gL5b
Pxc. nxCCr e xr	Du	7S79	gL5b
8'8y u u (	Du	7S79	gL5b
Mr eBi skoBpi .	Du	7S79	gL5b
(i st hBr xr	Du	1S9	gL5b
a Bpi . ct xr C)(r oBxr ot pX	Du	7S9	gL5b

490121-006 Surrogate	%REC	Limits
(a M6	82	18-127
u r ot oBpi . i m hBr xkp	E2	27-127

br Lr xc

ND: Di eQ r e oe c

RL: Rr hi . ex LCr d re

ENTHALPY ANALYTICAL

%sOar EchlEsir e yezticidez

baS #: 8E7121 **ysENect#:** 14E3S7737l 170

j lier t: Ri gsC f f i ont e f **bEcatiEr :** H&,CFi gxc.k

Field ID:	MW-10	**Batch#:**	327148	**PralpLed:**	7/5195 23
baS ID:	8E7121-774	**maAnled:**	7/57E5 23	**ysen:**	PA C3917a
Matsix:	Wt er.	**Received:**	7/57E5 23	**Pralpziz:**	PA C7/1
Dilr Fac:	1S77	**ysenased:**	7/5115 23	**Pralpzt:**	MPI

490121-007 Pralpte	Rezult	Rb	Uritz
t phBt -HNa	Du	7S79	gL5o
mr et -HNa	Du	7S79	gL5o
Lt d d t -HNa	Du	7S79	gL5o
cr pot -HNa	Du	7S79	gL5o
Nr het oBpi .	Du	7S79	gL5o
pc. nx	Du	7S79	gL5o
Nr het oBpi .C hi sr cr	Du	7S79	gL5o
Pxci f gpt xC,	Du	7S79	gL5o
u n pc. nx	Du	7S1	gL5o
8'8y u u P	Du	7S1	gL5o
Pxc. nx	Du	7S1	gL5o
Pxci f gpt xC,	Du	7S1	gL5o
Pxci f gpt xC gpt er	Du	7S1	gL5o
8'8y u u u	Du	7S1	gL5o
Pxc. nxC pcr Bkcr	Du	7S1	gL5o
Pxc. nxC r e xr	Du	7S1	gL5o
8'8y u u (	Du	7S1	gL5o
Mr eBi skoBpi .	Du	7S1	gL5o
(i st hBr xr	Du	2S7	gL5o
a Bpi . ct xr C(r oBx not pX	Du	1S7	gL5o

490121-007 mussEOate	g Roj	biA itz
(a M6	89	18-127
u r ot oBpi . i m hBr xkp	02	27-127

br Lr xc

CD: Di eQ r e oe c

Rb: Rr hi . ex LC nd re

ENTHALPY ANALYTICAL

%xOabEAylExibe MevciAidev

ha# z: 497121 **MxENeAcz:** 1093.7737S176

j liebc: Roux Associates **hEAadiEb:** AB&I Foundry

Field ID: MW-10 **nacAyz:** 327104 **LbalBted:** 78/15/23

ha# ID: 497121-778 **Par pled:** 78/79/23 **Mxep:** EPA 3517C

Sacxim Water **seAeiPed:** 78/79/23 **LbalBviv:** EPA 8781A

Dilb FaA: 1.777 **Mxepaxed:** 78/11/23 **LbalBvc:** MES

4892-20991 LbalBce	sevulc	sh	Ubicv
alpha-BHC	ND	7.75	ug/L
beta-BHC	ND	7.75	ug/L
gamma-BHC	ND	7.75	ug/L
delta-BHC	ND	7.75	ug/L
Heptachlor	ND	7.75	ug/L
Aldrin	ND	7.75	ug/L
Heptachlor epoxide	ND	7.75	ug/L
Endosulfan I	ND	7.75	ug/L
Dieldrin	ND	7.1	ug/L
4,4'-DDE	ND	7.1	ug/L
Endrin	ND	7.1	ug/L
Endosulfan II	ND	7.1	ug/L
Endosulfan sulfate	ND	7.1	ug/L
4,4'-DDD	ND	7.1	ug/L
Endrin aldehyde	ND	7.1	ug/L
Endrin ketone	ND	7.1	ug/L
4,4'-DDT	ND	7.1	ug/L
Methoxychlor	ND	7.1	ug/L
Toxaphene	ND	1.9	ug/L
Chlordane (Technical)	ND	1.7	ug/L

4892-20991 PuxxECace	g soj	hir icv
TCMX	48	14-127
Decachlorobiphenyl	63	27-127

Legend

CD: Not Detected

sh: Reporting Limit

ENTHALPY ANALYTICAL

Organochlorine Pesticides: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: BLANK **Batch#:** 320174 **Analysis:** EPA 8081A

Lab ID: QC1086312 **Prepared:** 08/11/23 **Analyst:** TRN

Matrix: Water **Analyzed:** 08/15/23

DilIn Fac: 1.000 **Prep:** EPA 3510C

QC1086312 Analyte	Result	RL	Units
alpha-BHC	ND	0.05	ug/L
beta-BHC	ND	0.05	ug/L
gamma-BHC	ND	0.05	ug/L
delta-BHC	ND	0.05	ug/L
Heptachlor	ND	0.05	ug/L
Aldrin	ND	0.05	ug/L
Heptachlor epoxide	ND	0.05	ug/L
Endosulfan I	ND	0.05	ug/L
Dieldrin	ND	0.1	ug/L
4,4'-DDE	ND	0.1	ug/L
Endrin	ND	0.1	ug/L
Endosulfan II	ND	0.1	ug/L
Endosulfan sulfate	ND	0.1	ug/L
4,4'-DDD	ND	0.1	ug/L
Endrin aldehyde	ND	0.1	ug/L
Endrin ketone	ND	0.1	ug/L
4,4'-DDT	ND	0.1	ug/L
Methoxychlor	ND	0.1	ug/L
Toxaphene	ND	2.0	ug/L
Chlordane (Technical)	ND	1.0	ug/L

QC1086312 Surrogate	%REC	Limits
TCMX	58	14-120
Decachlorobiphenyl	65	20-120

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Organochlorine Pesticides: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: BS **Batch#:** 320174 **Analysis:** EPA 8081A

Lab ID: QC1086313 **Prepared:** 08/11/23 **Analyst:** TRN

Matrix: Water **Analyzed:** 08/15/23

DilIn Fac: 1.000 **Prep:** EPA 3510C

QC1086313 Analyte	Spiked	Result	%REC	Limits	Units	Qual
alpha-BHC	0.5000	0.4034	81	53-120	ug/L	
beta-BHC	0.5000	0.3906	78	59-120	ug/L	
gamma-BHC	0.5000	0.3992	80	54-120	ug/L	
delta-BHC	0.5000	0.4298	86	58-120	ug/L	
Heptachlor	0.5000	0.3856	77	49-120	ug/L	#
Aldrin	0.5000	0.3283	66	47-120	ug/L	#
Heptachlor epoxide	0.5000	0.3899	78	53-120	ug/L	#
Endosulfan I	0.5000	0.4005	80	56-120	ug/L	#
Dieldrin	0.5000	0.4021	80	55-120	ug/L	#
4,4'-DDE	0.5000	0.4039	81	55-120	ug/L	#
Endrin	0.5000	0.4685	94	57-120	ug/L	
Endosulfan II	0.5000	0.4603	92	58-120	ug/L	
Endosulfan sulfate	0.5000	0.4357	87	56-120	ug/L	
4,4'-DDD	0.5000	0.4457	89	53-120	ug/L	
Endrin aldehyde	0.5000	0.4087	82	45-120	ug/L	
Endrin ketone	0.5000	0.4359	87	61-120	ug/L	
4,4'-DDT	0.5000	0.4900	98	58-120	ug/L	
Methoxychlor	0.5000	0.5066	101	54-120	ug/L	

QC1086313 Surrogate	%REC	Limits
TCMX	59	14-120
Decachlorobiphenyl	70	20-120

ENTHALPY ANALYTICAL

Organochlorine Pesticides: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: BSD **Batch#:** 320174 **Analysis:** EPA 8081A

Lab ID: QC1086314 **Prepared:** 08/11/23 **Analyst:** TRN

Matrix: Water **Analyzed:** 08/15/23

DilnFac: 1.000 **Prep:** EPA 3510C

QC1086314 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim	Qual
alpha-BHC	0.5000	0.4071	81	53-120	ug/L	1	20	
beta-BHC	0.5000	0.3966	79	59-120	ug/L	2	20	
gamma-BHC	0.5000	0.4034	81	54-120	ug/L	1	20	
delta-BHC	0.5000	0.4327	87	58-120	ug/L	1	20	
Heptachlor	0.5000	0.3868	77	49-120	ug/L	0	20	#
Aldrin	0.5000	0.3305	66	47-120	ug/L	1	20	#
Heptachlor epoxide	0.5000	0.3908	78	53-120	ug/L	0	20	#
Endosulfan I	0.5000	0.4037	81	56-120	ug/L	1	20	#
Dieldrin	0.5000	0.4035	81	55-120	ug/L	0	20	#
4,4'-DDE	0.5000	0.4044	81	55-120	ug/L	0	20	#
Endrin	0.5000	0.4698	94	57-120	ug/L	0	20	
Endosulfan II	0.5000	0.4620	92	58-120	ug/L	0	20	
Endosulfan sulfate	0.5000	0.4348	87	56-120	ug/L	0	20	
4,4'-DDD	0.5000	0.4451	89	53-120	ug/L	0	20	
Endrin aldehyde	0.5000	0.4075	82	45-120	ug/L	0	20	
Endrin ketone	0.5000	0.4409	88	61-120	ug/L	1	20	
4,4'-DDT	0.5000	0.4893	98	58-120	ug/L	0	20	
Methoxychlor	0.5000	0.5021	100	54-120	ug/L	1	20	

QC1086314 Surrogate	%REC	Limits
TCMX	66	14-120
Decachlorobiphenyl	70	20-120

Legend

#: CCV drift outside limits; average CCV drift within limits per method requirements

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-10 **Batch#:** 320174 **Prep:** EPA 3510C
Type: SAMPLE **Sampled:** 08/09/23 **Analysis:** EPA 8082
Lab ID: 490121-001 **Received:** 08/09/23 **Analyst:** MES
Matrix: Water **Prepared:** 08/11/23
Diln Fac: 1.000 **Analyzed:** 08/15/23

490121-001 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/L
Aroclor-1221	ND	0.50	ug/L
Aroclor-1232	ND	0.50	ug/L
Aroclor-1242	ND	0.50	ug/L
Aroclor-1248	ND	0.50	ug/L
Aroclor-1254	ND	0.50	ug/L
Aroclor-1260	ND	0.50	ug/L
Aroclor-1262	ND	0.50	ug/L
Aroclor-1268	ND	0.50	ug/L

490121-001 Surrogate	%REC	Limits
Decachlorobiphenyl (PCB)	67	18-126

Field ID: MW-11 **Batch#:** 320174 **Prep:** EPA 3510C
Type: SAMPLE **Sampled:** 08/09/23 **Analysis:** EPA 8082
Lab ID: 490121-002 **Received:** 08/09/23 **Analyst:** MES
Matrix: Water **Prepared:** 08/11/23
Diln Fac: 1.000 **Analyzed:** 08/15/23

490121-002 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/L
Aroclor-1221	ND	0.50	ug/L
Aroclor-1232	ND	0.50	ug/L
Aroclor-1242	ND	0.50	ug/L
Aroclor-1248	ND	0.50	ug/L
Aroclor-1254	ND	0.50	ug/L
Aroclor-1260	ND	0.50	ug/L
Aroclor-1262	ND	0.50	ug/L
Aroclor-1268	ND	0.50	ug/L

490121-002 Surrogate	%REC	Limits
Decachlorobiphenyl (PCB)	45	18-126

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-12 **Batch#:** 320174 **Prep:** EPA 3510C
Type: SAMPLE **Sampled:** 08/09/23 **Analysis:** EPA 8082
Lab ID: 490121-003 **Received:** 08/09/23 **Analyst:** MES
Matrix: Water **Prepared:** 08/11/23
Diln Fac: 1.000 **Analyzed:** 08/15/23

490121-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.49	ug/L
Aroclor-1221	ND	0.49	ug/L
Aroclor-1232	ND	0.49	ug/L
Aroclor-1242	ND	0.49	ug/L
Aroclor-1248	ND	0.49	ug/L
Aroclor-1254	ND	0.49	ug/L
Aroclor-1260	ND	0.49	ug/L
Aroclor-1262	ND	0.49	ug/L
Aroclor-1268	ND	0.49	ug/L

490121-003 Surrogate	%REC	Limits
Decachlorobiphenyl (PCB)	77	18-126

Field ID: MW-13 **Batch#:** 320174 **Prep:** EPA 3510C
Type: SAMPLE **Sampled:** 08/09/23 **Analysis:** EPA 8082
Lab ID: 490121-004 **Received:** 08/09/23 **Analyst:** MES
Matrix: Water **Prepared:** 08/11/23
Diln Fac: 1.000 **Analyzed:** 08/15/23

490121-004 Analyte	Result	RL	Units
Aroclor-1016	ND	0.47	ug/L
Aroclor-1221	ND	0.47	ug/L
Aroclor-1232	ND	0.47	ug/L
Aroclor-1242	ND	0.47	ug/L
Aroclor-1248	ND	0.47	ug/L
Aroclor-1254	ND	0.47	ug/L
Aroclor-1260	ND	0.47	ug/L
Aroclor-1262	ND	0.47	ug/L
Aroclor-1268	ND	0.47	ug/L

490121-004 Surrogate	%REC	Limits
Decachlorobiphenyl (PCB)	75	18-126

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-14 **Batch#:** 320174 **Prep:** EPA 3510C
Type: SAMPLE **Sampled:** 08/09/23 **Analysis:** EPA 8082
Lab ID: 490121-005 **Received:** 08/09/23 **Analyst:** MES
Matrix: Water **Prepared:** 08/11/23
Diln Fac: 1.000 **Analyzed:** 08/15/23

490121-005 Analyte	Result	RL	Units
Aroclor-1016	ND	0.47	ug/L
Aroclor-1221	ND	0.47	ug/L
Aroclor-1232	ND	0.47	ug/L
Aroclor-1242	ND	0.47	ug/L
Aroclor-1248	ND	0.47	ug/L
Aroclor-1254	ND	0.47	ug/L
Aroclor-1260	ND	0.47	ug/L
Aroclor-1262	ND	0.47	ug/L
Aroclor-1268	ND	0.47	ug/L

490121-005 Surrogate	%REC	Limits
Decachlorobiphenyl (PCB)	64	18-126

Field ID: MW-15 **Batch#:** 320174 **Prep:** EPA 3510C
Type: SAMPLE **Sampled:** 08/09/23 **Analysis:** EPA 8082
Lab ID: 490121-006 **Received:** 08/09/23 **Analyst:** MES
Matrix: Water **Prepared:** 08/11/23
Diln Fac: 1.000 **Analyzed:** 08/15/23

490121-006 Analyte	Result	RL	Units
Aroclor-1016	ND	0.46	ug/L
Aroclor-1221	ND	0.46	ug/L
Aroclor-1232	ND	0.46	ug/L
Aroclor-1242	ND	0.46	ug/L
Aroclor-1248	ND	0.46	ug/L
Aroclor-1254	ND	0.46	ug/L
Aroclor-1260	ND	0.46	ug/L
Aroclor-1262	ND	0.46	ug/L
Aroclor-1268	ND	0.46	ug/L

490121-006 Surrogate	%REC	Limits
Decachlorobiphenyl (PCB)	63	18-126

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-16 **Batch#:** 320174 **Prep:** EPA 3510C
Type: SAMPLE **Sampled:** 08/09/23 **Analysis:** EPA 8082
Lab ID: 490121-007 **Received:** 08/09/23 **Analyst:** MES
Matrix: Water **Prepared:** 08/11/23
Diln Fac: 1.000 **Analyzed:** 08/15/23

490121-007 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/L
Aroclor-1221	ND	0.50	ug/L
Aroclor-1232	ND	0.50	ug/L
Aroclor-1242	ND	0.50	ug/L
Aroclor-1248	ND	0.50	ug/L
Aroclor-1254	ND	0.50	ug/L
Aroclor-1260	ND	0.50	ug/L
Aroclor-1262	ND	0.50	ug/L
Aroclor-1268	ND	0.50	ug/L

490121-007 Surrogate	%REC	Limits
Decachlorobiphenyl (PCB)	63	18-126

Field ID: MW-17 **Batch#:** 320174 **Prep:** EPA 3510C
Type: SAMPLE **Sampled:** 08/09/23 **Analysis:** EPA 8082
Lab ID: 490121-008 **Received:** 08/09/23 **Analyst:** MES
Matrix: Water **Prepared:** 08/11/23
Diln Fac: 1.000 **Analyzed:** 08/15/23

490121-008 Analyte	Result	RL	Units
Aroclor-1016	ND	0.48	ug/L
Aroclor-1221	ND	0.48	ug/L
Aroclor-1232	ND	0.48	ug/L
Aroclor-1242	ND	0.48	ug/L
Aroclor-1248	ND	0.48	ug/L
Aroclor-1254	ND	0.48	ug/L
Aroclor-1260	ND	0.48	ug/L
Aroclor-1262	ND	0.48	ug/L
Aroclor-1268	ND	0.48	ug/L

490121-008 Surrogate	%REC	Limits
Decachlorobiphenyl (PCB)	63	18-126

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type:	BLANK	**Batch#:**	320174	**Analysis:**	EPA 8082
Lab ID:	QC1086312	**Prepared:**	08/11/23	**Analyst:**	TRN
Matrix:	Water	**Analyzed:**	08/15/23		
DiIn Fac:	1.000	**Prep:**	EPA 3510C		

QC1086312 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/L
Aroclor-1221	ND	0.50	ug/L
Aroclor-1232	ND	0.50	ug/L
Aroclor-1242	ND	0.50	ug/L
Aroclor-1248	ND	0.50	ug/L
Aroclor-1254	ND	0.50	ug/L
Aroclor-1260	ND	0.50	ug/L
Aroclor-1262	ND	0.50	ug/L
Aroclor-1268	ND	0.50	ug/L

QC1086312 Surrogate	%REC	Limits
Decachlorobiphenyl (PCB)	71	18-126

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: BS **Batch#:** 320174 **Analysis:** EPA 8082

Lab ID: QC1086315 **Prepared:** 08/11/23 **Analyst:** TRN

Matrix: Water **Analyzed:** 08/15/23

Dil n Fac: 1.000 **Prep:** EPA 3510C

QC1086315 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.640	73	36-143	ug/L
Aroclor-1260	5.000	3.741	75	31-153	ug/L

QC1086315 Surrogate	%REC	Limits
Decachlorobiphenyl (PCB)	68	18-126

Type: BSD **Batch#:** 320174 **Analysis:** EPA 8082

Lab ID: QC1086316 **Prepared:** 08/11/23 **Analyst:** TRN

Matrix: Water **Analyzed:** 08/15/23

Dil n Fac: 1.000 **Prep:** EPA 3510C

QC1086316 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.874	77	36-143	ug/L	6	39
Aroclor-1260	5.000	3.986	80	31-153	ug/L	6	20

QC1086316 Surrogate	%REC	Limits
Decachlorobiphenyl (PCB)	72	18-126

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

. alif5rBia Title 66 MetalA

Lab h: 490121 **#r5jesth:** 1793.0030S106

. lieBt: Roux Associates **L5sati5B:** AB&I Foundry

Field ID: MW-10 **Matrix:** Water **Sampled:** 08/09/23

Lab ID: 490121-001 **DilB Fas:** 1.000 **Reseiced:** 08/09/23

v48969-889 0 Bal1te	ReAnlt	RL	y BitA	uatsUh	#repared	0 Bal1Ped	#rep	0 Bal1AiA	0 Bal1At
Antimony	ND	40	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
0 rAeBis	**z9**	10	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
uarinm	**9c988**	10	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
uer1llinm	**63v**	1.0	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Cadmium	ND	5.0	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
. Ur5minm	**6, 8**	10	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
. 5balt	**C7**	5.0	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
. 5pper	**9v8**	10	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Lead	**2v**	10	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Mercury	ND	0.40	ug/L	320318	08/15/23	08/15/23	METHOD	EPA 7470A	KAM
Molybdenum	ND	10	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Niskel	**zz8**	10	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Selenium	ND	30	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Silver	ND	5.0	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Thallium	ND	50	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
VaBadinm	**628**	5.0	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
ZiBs	**678**	50	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

California Title 22 Metals

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-11 **Matrix:** Water **Sampled:** 08/09/23

Lab ID: 490121-002 **Dil'n Fac:** 1.000 **Received:** 08/09/23

490121-002 Analyte	Result	RL	Units	Batch#	Prepared	Analyzed	Prep	Analysis	Analyst
Antimony	ND	40	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Arsenic	ND	10	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Barium	**140**	10	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Beryllium	ND	1.0	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Cadmium	ND	5.0	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Chromium	**18**	10	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Cobalt	ND	5.0	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Copper	**10**	10	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Lead	ND	10	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Mercury	ND	0.40	ug/L	320318	08/15/23	08/15/23	METHOD	EPA 7470A	KAM
Molybdenum	**15**	10	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Nickel	**24**	10	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Selenium	ND	30	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Silver	ND	5.0	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Thallium	ND	50	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Vanadium	**22**	5.0	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Zinc	ND	50	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW

Legend

ND: Not Detected

RL: Reporting Limit

California Title 22 Metals

Lab #: 4281a1 **Project#:** 1v23.8838S186

Client: p oux Associt e r s **Location:** AB&I Found0y

Field ID: MW-1a **Matrix:** Wt e r 0 **Sampled:** 8/ 9829a3

Lab ID: 4281a1-883 **DiIn Fac:** 1.888 **Received:** 8/ 9829a3

490121-003 Analyte	Result	RL	Units	Batch#	Prepared	Analyzed	Prep	Analysis	Analyst
Ane mony	ND	48	ug9L	3a813a	8/ 9119a3	8/ 9la9a3	EPA 3818A	EPA 6818B	SBW
A0sr nic	ND	18	ug9L	3a813a	8/ 9119a3	8/ 9la9a3	EPA 3818A	EPA 6818B	SBW
Barium	**140**	18	ug9L	3a813a	8/ 9119a3	8/ 9la9a3	EPA 3818A	EPA 6818B	SBW
Br 0yllium	ND	1.8	ug9L	3a813a	8/ 9119a3	8/ 9la9a3	EPA 3818A	EPA 6818B	SBW
Ct dmium	ND	5.8	ug9L	3a813a	8/ 9119a3	8/ 9la9a3	EPA 3818A	EPA 6818B	SBW
Cb0omium	ND	18	ug9L	3a813a	8/ 9119a3	8/ 9la9a3	EPA 3818A	EPA 6818B	SBW
CoTt le	ND	5.8	ug9L	3a813a	8/ 9119a3	8/ 9la9a3	EPA 3818A	EPA 6818B	SBW
CoHHr 0	ND	18	ug9L	3a813a	8/ 9119a3	8/ 9la9a3	EPA 3818A	EPA 6818B	SBW
Lr t d	ND	18	ug9L	3a813a	8/ 9119a3	8/ 9la9a3	EPA 3818A	EPA 6818B	SBW
Mr 0cu0y	ND	8.48	ug9L	3a831/	8/ 9159a3	8/ 9159a3	MEO7 KD	EPA v4v8A	hAM
MolyTdr num	ND	18	ug9L	3a813a	8/ 9119a3	8/ 9la9a3	EPA 3818A	EPA 6818B	SBW
Nickel	**14**	18	ug9L	3a813a	8/ 9119a3	8/ 9la9a3	EPA 3818A	EPA 6818B	SBW
Sr lr nium	ND	38	ug9L	3a813a	8/ 9119a3	8/ 9la9a3	EPA 3818A	EPA 6818B	SBW
SilZr 0	ND	5.8	ug9L	3a813a	8/ 9119a3	8/ 9la9a3	EPA 3818A	EPA 6818B	SBW
Cbt llium	ND	58	ug9L	3a813a	8/ 9119a3	8/ 9la9a3	EPA 3818A	EPA 6818B	SBW
Vanadium	**9.9**	5.8	ug9L	3a813a	8/ 9119a3	8/ 9la9a3	EPA 3818A	EPA 6818B	SBW
Rinc	ND	58	ug9L	3a813a	8/ 9119a3	8/ 9la9a3	EPA 3818A	EPA 6818B	SBW

Lr grnd

ND: NoeDr e ce r d

RL: p r Hb0ing Limie

ENTHALPY ANALYTICAL

California Title 22 Metals

Lab #: 428131 **Project#:** 1K2a.88a8S186

Client: p oux Associt e r s **Location:** AB&I Found0y

Field ID: MW-1a **Matrix:** Wt e r 0 **Sampled:** 8/ 9B293a

Lab ID: 428131-884 **DiIn Fac:** 1.888 **Received:** 8/ 9B293a

490121-004 Analyte	Result	RL	Units	Batch#	Prepared	Analyzed	Prep	Analysis	Analyst
Ane mony	ND	48	ug9L	a381a3	8/ 9I193a	8/ 9I393a	EPA a818A	EPA 6818B	SBW
A0sr nic	ND	18	ug9L	a381a3	8/ 9I193a	8/ 9I393a	EPA a818A	EPA 6818B	SBW
Barium	**240**	18	ug9L	a381a3	8/ 9I193a	8/ 9I393a	EPA a818A	EPA 6818B	SBW
Br 0yllium	ND	1.8	ug9L	a381a3	8/ 9I193a	8/ 9I393a	EPA a818A	EPA 6818B	SBW
Ct dmium	ND	5.8	ug9L	a381a3	8/ 9I193a	8/ 9I393a	EPA a818A	EPA 6818B	SBW
Chromium	**20**	18	ug9L	a381a3	8/ 9I193a	8/ 9I393a	EPA a818A	EPA 6818B	SBW
Cobt le	ND	5.8	ug9L	a381a3	8/ 9I193a	8/ 9I393a	EPA a818A	EPA 6818B	SBW
CoTTr 0	ND	18	ug9L	a381a3	8/ 9I193a	8/ 9I393a	EPA a818A	EPA 6818B	SBW
Lr t d	ND	18	ug9L	a381a3	8/ 9I193a	8/ 9I393a	EPA a818A	EPA 6818B	SBW
Mr 0cu0y	ND	8.48	ug9L	a38a1/	8/ 9I593a	8/ 9I593a	MEHO7 D	EPA K4K8A	v AM
Molybdr num	ND	18	ug9L	a381a3	8/ 9I193a	8/ 9I393a	EPA a818A	EPA 6818B	SBW
Nickel	**27**	18	ug9L	a381a3	8/ 9I193a	8/ 9I393a	EPA a818A	EPA 6818B	SBW
Sr Ir nium	ND	a8	ug9L	a381a3	8/ 9I193a	8/ 9I393a	EPA a818A	EPA 6818B	SBW
Silhr 0	ND	5.8	ug9L	a381a3	8/ 9I193a	8/ 9I393a	EPA a818A	EPA 6818B	SBW
HZt llium	ND	58	ug9L	a381a3	8/ 9I193a	8/ 9I393a	EPA a818A	EPA 6818B	SBW
Vanadium	**17**	5.8	ug9L	a381a3	8/ 9I193a	8/ 9I393a	EPA a818A	EPA 6818B	SBW
Rinc	ND	58	ug9L	a381a3	8/ 9I193a	8/ 9I393a	EPA a818A	EPA 6818B	SBW

Lr grnd

ND: NoeDr e ce d

RL: p r To0ing Limie

ENTHALPY ANALYTICAL

California Title 22 Metals

Lab #: a28131 **Project#:** 1C24A8848s18B

Client: Rygx6nccyl rhe c **Location:** nS&l6Fygi 50N

Field ID: MW-1a **Matrix:** Wte r0 **Sampled:** 8/9829 34

Lab ID: a28131-88. **Diln Fac:** 1A888 **Received:** 8/9829 34

490121-005 Analyte	Result	RL	Units	Batch#	Prepared	Analyzed	Prep	Analysis	Analyst
ni ero yi N	Du	a8	gL9E	438143	8/9119 34	8/9139 34	P n64818n	P n6B818S	s SW
n0cri rh	Du	18	gL9E	438143	8/9119 34	8/9139 34	P n64818n	P n6B818S	s SW
Barium	**110**	18	gL9E	438143	8/9119 34	8/9139 34	P n64818n	P n6B818S	s SW
Sr0N0gro	Du	1A8	gL9E	438143	8/9119 34	8/9139 34	P n64818n	P n6B818S	s SW
dt 5o rgo	Du	. A8	gL9E	438143	8/9119 34	8/9139 34	P n64818n	P n6B818S	s SW
Chromium	**22**	18	gL9E	438143	8/9119 34	8/9139 34	P n64818n	P n6B818S	s SW
Cobalt	**6.1**	. A8	gL9E	438143	8/9119 34	8/9139 34	P n64818n	P n6B818S	s SW
Copper	**12**	18	gL9E	438143	8/9119 34	8/9139 34	P n64818n	P n6B818S	s SW
Ert 5	Du	18	gL9E	438143	8/9119 34	8/9139 34	P n64818n	P n6B818S	s SW
Mr0lg0N	Du	8Aa8	gL9E	43841/	8/91. 34	8/91. 34	MPbTHu	P n6CaC8n	7nM
My0K5rigo	Du	18	gL9E	438143	8/9119 34	8/9139 34	P n64818n	P n6B818S	s SW
Nickel	**30**	18	gL9E	438143	8/9119 34	8/9139 34	P n64818n	P n6B818S	s SW
sr0ingo	Du	48	gL9E	438143	8/9119 34	8/9139 34	P n64818n	P n6B818S	s SW
sn0r0	Du	. A8	gL9E	438143	8/9119 34	8/9139 34	P n64818n	P n6B818S	s SW
bht0ngo	Du	. 8	gL9E	438143	8/9119 34	8/9139 34	P n64818n	P n6B818S	s SW
Vanadium	**25**	. A8	gL9E	438143	8/9119 34	8/9139 34	P n64818n	P n6B818S	s SW
Zinl	Du	. 8	gL9E	438143	8/9119 34	8/9139 34	P n64818n	P n6B818S	s SW

ErLri 5

ND: Dye6ure le r5

RL: Rrpy0enLeEno re

ENTHALPY ANALYTICAL

California Title 22 Metals

Lab #: . 28131 **Project#:** 1v24n8848s 18A

Client: p NLxB ccNl d e r c **Location:** i S&IBFNLm5 0D

Field ID: MW-1a **Matrix:** Wt e r 0 **Sampled:** 8/ 9 8 2 9 3 4

Lab ID: . 28131-88A **DiIn Fac:** 1r888 **Received:** 8/ 9 8 2 9 3 4

490121-006 Analyte	Result	RL	Units	Batch#	Prepared	Analyzed	Prep	Analysis	Analyst
i mey NmD	u g	. 8	LE9P	438143	8/ 9 1 1 9 3 4	8/ 9 1 3 9 3 4	6 i E4 8 1 8 i	6 i EA 8 1 8 S	s SW
i 0 c r m d	u g	18	LE9P	438143	8/ 9 1 1 9 3 4	8/ 9 1 3 9 3 4	6 i E4 8 1 8 i	6 i EA 8 1 8 S	s SW
Barium	**67**	18	LE9P	438143	8/ 9 1 1 9 3 4	8/ 9 1 3 9 3 4	6 i E4 8 1 8 i	6 i EA 8 1 8 S	s SW
Sr 0 D C 0 L y	u g	1r8	LE9P	438143	8/ 9 1 1 9 3 4	8/ 9 1 3 9 3 4	6 i E4 8 1 8 i	6 i EA 8 1 8 S	s SW
d t 5 y d L y	u g	ar8	LE9P	438143	8/ 9 1 1 9 3 4	8/ 9 1 3 9 3 4	6 i E4 8 1 8 i	6 i EA 8 1 8 S	s SW
d b 0 N y d L y	u g	18	LE9P	438143	8/ 9 1 1 9 3 4	8/ 9 1 3 9 3 4	6 i E4 8 1 8 i	6 i EA 8 1 8 S	s SW
d N T t C e	u g	ar8	LE9P	438143	8/ 9 1 1 9 3 4	8/ 9 1 3 9 3 4	6 i E4 8 1 8 i	6 i EA 8 1 8 S	s SW
d N H H r 0	u g	18	LE9P	438143	8/ 9 1 1 9 3 4	8/ 9 1 3 9 3 4	6 i E4 8 1 8 i	6 i EA 8 1 8 S	s SW
P r t 5	u g	18	LE9P	438143	8/ 9 1 1 9 3 4	8/ 9 1 3 9 3 4	6 i E4 8 1 8 i	6 i EA 8 1 8 S	s SW
M r d L O D	u g	8n 8	LE9P	43841/	8/ 9 1 a 9 3 4	8/ 9 1 a 9 3 4	M C 7 K g	6 i E v . v 8 i	hi M
Molybdenum	**16**	18	LE9P	438143	8/ 9 1 1 9 3 4	8/ 9 1 3 9 3 4	6 i E4 8 1 8 i	6 i EA 8 1 8 S	s SW
Nickel	**13**	18	LE9P	438143	8/ 9 1 1 9 3 4	8/ 9 1 3 9 3 4	6 i E4 8 1 8 i	6 i EA 8 1 8 S	s SW
s r C m d L y	u g	48	LE9P	438143	8/ 9 1 1 9 3 4	8/ 9 1 3 9 3 4	6 i E4 8 1 8 i	6 i EA 8 1 8 S	s SW
s d Z r 0	u g	ar8	LE9P	438143	8/ 9 1 1 9 3 4	8/ 9 1 3 9 3 4	6 i E4 8 1 8 i	6 i EA 8 1 8 S	s SW
C b t 0 C L y	u g	a8	LE9P	438143	8/ 9 1 1 9 3 4	8/ 9 1 3 9 3 4	6 i E4 8 1 8 i	6 i EA 8 1 8 S	s SW
Vanadium	**13**	ar8	LE9P	438143	8/ 9 1 1 9 3 4	8/ 9 1 3 9 3 4	6 i E4 8 1 8 i	6 i EA 8 1 8 S	s SW
R o n l	u g	a8	LE9P	438143	8/ 9 1 1 9 3 4	8/ 9 1 3 9 3 4	6 i E4 8 1 8 i	6 i EA 8 1 8 S	s SW

P r E r n 5

ND: u N e g r e l e r 5

RL: p r H N O a m E E P r y o e

ENTHALPY ANALYTICAL

California Title 22 Metals

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-16 **Matrix:** Water **Sampled:** 08/09/23

Lab ID: 490121-007 **Dil'n Fac:** 1.000 **Received:** 08/09/23

490121-007 Analyte	Result	RL	Units	Batch#	Prepared	Analyzed	Prep	Analysis	Analyst
Antimony	ND	40	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Arsenic	ND	10	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Barium	**85**	10	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Beryllium	ND	1.0	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Cadmium	ND	5.0	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Chromium	ND	10	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Cobalt	ND	5.0	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Copper	ND	10	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Lead	ND	10	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Mercury	ND	0.40	ug/L	320318	08/15/23	08/15/23	METHOD	EPA 7470A	KAM
Molybdenum	**15**	10	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Nickel	ND	10	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Selenium	ND	30	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Silver	ND	5.0	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Thallium	ND	50	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Vanadium	ND	5.0	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW
Zinc	ND	50	ug/L	320132	08/11/23	08/12/23	EPA 3010A	EPA 6010B	SBW

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

California Title 22 Metals

Lab #: . 28131 **Project#:** 1024A8848C18B

Client: Rygx6nssyTrates **Location:** nS&l6Fygi 5rN

Field ID: MW-10 **Matrix:** Water **Sampled:** 8/ 9829 34

Lab ID: . 28131-88/ **DiIn Fac:** 1A888 **Received:** 8/ 9829 34

490121-008 Analyte	Result	RL	Units	Batch#	Prepared	Analyzed	Prep	Analysis	Analyst
ni tro yi N	Du	. 8	gL9E	438143	8/ 9l19 34	8/ 9l39 34	P n64818n	P n6B818S	CSW
Arsenic	**39**	18	gL9E	438143	8/ 9l19 34	8/ 9l39 34	P n64818n	P n6B818S	CSW
Barium	**1,600**	18	gL9E	438143	8/ 9l19 34	8/ 9l39 34	P n64818n	P n6B818S	CSW
Beryllium	**3.1**	1A8	gL9E	438143	8/ 9l19 34	8/ 9l39 34	P n64818n	P n6B818S	CSW
d a5o rgo	Du	cA8	gL9E	438143	8/ 9l19 34	8/ 9l39 34	P n64818n	P n6B818S	CSW
Chromium	**440**	18	gL9E	438143	8/ 9l19 34	8/ 9l39 34	P n64818n	P n6B818S	CSW
Cobalt	**120**	cA8	gL9E	438143	8/ 9l19 34	8/ 9l39 34	P n64818n	P n6B818S	CSW
Copper	**250**	18	gL9E	438143	8/ 9l19 34	8/ 9l39 34	P n64818n	P n6B818S	CSW
Lead	**88**	18	gL9E	438143	8/ 9l19 34	8/ 9l39 34	P n64818n	P n6B818S	CSW
MerTgrN	Du	8A8	gL9E	43841/	8/ 9lc9 34	8/ 9lc9 34	MPHO7u	P n60. 08n	KnM
MyINb5ei go	Du	18	gL9E	438143	8/ 9l19 34	8/ 9l39 34	P n64818n	P n6B818S	CSW
Nickel	**460**	18	gL9E	438143	8/ 9l19 34	8/ 9l39 34	P n64818n	P n6B818S	CSW
Celei rgo	Du	48	gL9E	438143	8/ 9l19 34	8/ 9l39 34	P n64818n	P n6B818S	CSW
Cnver	Du	cA8	gL9E	438143	8/ 9l19 34	8/ 9l39 34	P n64818n	P n6B818S	CSW
Hhallrgo	Du	c8	gL9E	438143	8/ 9l19 34	8/ 9l39 34	P n64818n	P n6B818S	CSW
Vanadium	**400**	cA8	gL9E	438143	8/ 9l19 34	8/ 9l39 34	P n64818n	P n6B818S	CSW
Zinc	**430**	c8	gL9E	438143	8/ 9l19 34	8/ 9l39 34	P n64818n	P n6B818S	CSW

EeLei 5

ND: Dyt6u eteTte5

RL: RepyrtmL6Emn rn

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: BLANK **Batch#:** 320132 **Analysis:** EPA 6010B

Lab ID: QC1086179 **Prepared:** 08/11/23 **Analyst:** SBW

Matrix: Water **Analyzed:** 08/12/23

DilnFac: 1.000 **Prep:** EPA 3010A

QC1086179 Analyte	Result	RL	Units
Antimony	ND	40	ug/L
Arsenic	ND	10	ug/L
Barium	ND	10	ug/L
Beryllium	ND	1.0	ug/L
Cadmium	ND	5.0	ug/L
Chromium	ND	10	ug/L
Cobalt	ND	5.0	ug/L
Copper	ND	10	ug/L
Lead	ND	10	ug/L
Molybdenum	ND	10	ug/L
Nickel	ND	10	ug/L
Selenium	ND	30	ug/L
Silver	ND	5.0	ug/L
Thallium	ND	50	ug/L
Vanadium	ND	5.0	ug/L
Zinc	ND	50	ug/L

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: LCS **Batch#:** 320132 **Analysis:** EPA 6010B

Lab ID: QC1086180 **Prepared:** 08/11/23 **Analyst:** SBW

Matrix: Water **Analyzed:** 08/12/23

DilIn Fac: 1.000 **Prep:** EPA 3010A

QC1086180 Analyte	Spiked	Result	%REC	Limits	Units
Antimony	400.0	393.8	98	80-120	ug/L
Arsenic	400.0	401.1	100	80-120	ug/L
Barium	400.0	406.5	102	80-120	ug/L
Beryllium	400.0	428.7	107	80-120	ug/L
Cadmium	400.0	421.9	105	80-120	ug/L
Chromium	400.0	408.6	102	80-120	ug/L
Cobalt	400.0	425.1	106	80-120	ug/L
Copper	400.0	386.0	97	80-120	ug/L
Lead	400.0	429.4	107	80-120	ug/L
Molybdenum	400.0	399.4	100	80-120	ug/L
Nickel	400.0	418.1	105	80-120	ug/L
Selenium	400.0	394.4	99	80-120	ug/L
Silver	200.0	192.2	96	80-120	ug/L
Thallium	400.0	403.8	101	80-120	ug/L
Vanadium	400.0	410.2	103	80-120	ug/L
Zinc	400.0	431.0	108	80-120	ug/L

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID: ZZZZZZZZZZ **Diln Fac:** 1.000 **Analyzed:** 08/12/23
Type: MS **Batch#:** 320132 **Prep:** EPA 3010A
MSS Lab ID: 490166-002 **Sampled:** 08/09/23 **Analysis:** EPA 6010B
Lab ID: QC1086181 **Received:** 08/10/23 **Analyst:** SBW
Matrix: Water **Prepared:** 08/11/23

QC1086181 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
Antimony	<16.17	400.0	408.7	102	75-125	ug/L
Arsenic	<6.354	400.0	423.9	106	75-125	ug/L
Barium	668.3	400.0	1,097	107	75-125	ug/L
Beryllium	<0.1263	400.0	433.7	108	75-125	ug/L
Cadmium	<0.6975	400.0	425.8	106	75-125	ug/L
Chromium	<1.962	400.0	416.5	104	75-125	ug/L
Cobalt	<3.738	400.0	431.8	108	75-125	ug/L
Copper	1.270	400.0	412.4	103	75-125	ug/L
Lead	<2.621	400.0	431.8	108	75-125	ug/L
Molybdenum	<6.029	400.0	408.2	102	75-125	ug/L
Nickel	<4.016	400.0	423.5	106	75-125	ug/L
Selenium	<11.03	400.0	405.7	101	75-125	ug/L
Silver	<1.716	200.0	202.7	101	75-125	ug/L
Thallium	<7.510	400.0	407.1	102	75-125	ug/L
Vanadium	<1.101	400.0	419.2	105	75-125	ug/L
Zinc	<6.801	400.0	440.1	110	75-125	ug/L

Field ID: ZZZZZZZZZZ **Diln Fac:** 1.000 **Analyzed:** 08/12/23
Type: MSD **Batch#:** 320132 **Prep:** EPA 3010A
MSS Lab ID: 490166-002 **Sampled:** 08/09/23 **Analysis:** EPA 6010B
Lab ID: QC1086182 **Received:** 08/10/23 **Analyst:** SBW
Matrix: Water **Prepared:** 08/11/23

QC1086182 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Antimony	400.0	391.1	98	75-125	ug/L	4	20
Arsenic	400.0	405.5	101	75-125	ug/L	4	20
Barium	400.0	1,059	98	75-125	ug/L	4	20
Beryllium	400.0	416.4	104	75-125	ug/L	4	20
Cadmium	400.0	407.4	102	75-125	ug/L	4	20
Chromium	400.0	399.5	100	75-125	ug/L	4	20
Cobalt	400.0	413.9	103	75-125	ug/L	4	20
Copper	400.0	395.0	98	75-125	ug/L	4	20
Lead	400.0	413.3	103	75-125	ug/L	4	20
Molybdenum	400.0	391.7	98	75-125	ug/L	4	20
Nickel	400.0	406.4	102	75-125	ug/L	4	20
Selenium	400.0	386.9	97	75-125	ug/L	5	20
Silver	200.0	192.5	96	75-125	ug/L	5	20
Thallium	400.0	391.6	98	75-125	ug/L	4	20
Vanadium	400.0	401.9	100	75-125	ug/L	4	20
Zinc	400.0	422.9	106	75-125	ug/L	4	20

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: BLANK **Batch#:** 320318 **Analysis:** EPA 7470A

Lab ID: QC1086762 **Prepared:** 08/15/23 **Analyst:** KAM

Matrix: Water **Analyzed:** 08/15/23

DilIn Fac: 1.000 **Prep:** METHOD

QC1086762 Analyte	Result	RL	Units
Mercury	ND	0.40	ug/L

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: LCS **Batch#:** 320318 **Analysis:** EPA 7470A

Lab ID: QC1086763 **Prepared:** 08/15/23 **Analyst:** KAM

Matrix: Water **Analyzed:** 08/15/23

DilIn Fac: 1.000 **Prep:** METHOD

QC1086763 Analyte	Spiked	Result	%REC	Limits	Units
Mercury	5.000	5.097	102	80-120	ug/L

ENTHALPY ANALYTICAL

California Title 22 Metals: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	ZZZZZZZZZZ	**Diln Fac:**	1.000	**Analyzed:**	08/15/23
Type:	MS	**Batch#:**	320318	**Prep:**	METHOD
MSS Lab ID:	489947-001	**Sampled:**	08/08/23	**Analysis:**	EPA 7470A
Lab ID:	QC1086764	**Received:**	08/08/23	**Analyst:**	KAM
Matrix:	Water	**Prepared:**	08/15/23		

QC1086764 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
Mercury	<0.05581	5.000	5.303	106	75-125	ug/L

Field ID:	ZZZZZZZZZZ	**Diln Fac:**	1.000	**Analyzed:**	08/15/23
Type:	MSD	**Batch#:**	320318	**Prep:**	METHOD
MSS Lab ID:	489947-001	**Sampled:**	08/08/23	**Analysis:**	EPA 7470A
Lab ID:	QC1086765	**Received:**	08/08/23	**Analyst:**	KAM
Matrix:	Water	**Prepared:**	08/15/23		

QC1086765 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Mercury	5.000	4.885	98	75-125	ug/L	8	20

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Dissolved California Title 22 Metals

Lab #: / 96121 **Project#:** 1C97a6676d16l

Client: RgPxdN&&gHAoiy& **Location:** NCl Fc: gPDhrn.

Field ID: MW-16 **Diln Fac:** 1a666 **Prep:** Mt er 0 8

Lab ID: / 96121-661 **Sampled:** 63469427

Matrix: . Aimoiy **Received:** 63469427

490121-001 Analyte	Result	RL	Units	Batch#	Prepared	Analyzed	Analysis	Analyst
NDiAu gDL	E8	/ 6	P 4B	7262S7	6341/427	6341/427	t sNd 616C	dCW
Arsenic	**15**	16	P 4B	7262S7	6341/427	6341/427	t sNd 616C	dCW
Barium	**59**	16	P 4B	7262S7	6341/427	6341/427	t sNd 616C	dCW
CynbmAPu	E8	1a6	P 4B	7262S7	6341/427	6341/427	t sNd 616C	dCW
5ohu APu	E8	Sa6	P 4B	7262S7	6341/427	6341/427	t sNd 616C	dCW
5brgu APu	E8	16	P 4B	7262S7	6341/427	6341/427	t sNd 616C	dCW
5gpori	E8	Sa6	P 4B	7262S7	6341/427	6341/427	t sNd 616C	dCW
5gTTym	E8	16	P 4B	7262S7	6341/427	6341/427	t sNd 616C	dCW
Byoh	E8	16	P 4B	7262S7	6341/427	6341/427	t sNd 616C	dCW
MynhPrn.	E8	6a16	P 4B	726719	6341S427	6341S427	t sNcO/ C6N	KNM
Molybdenum	**12**	16	P 4B	7262S7	6341/427	6341/427	t sNd 616C	dCW
EAkkyn	E8	16	P 4B	7262S7	6341/427	6341/427	t sNd 616C	dCW
dynyDAPu	E8	76	P 4B	7262S7	6341/427	6341/427	t sNd 616C	dCW
dAvym	E8	Sa6	P 4B	7262S7	6341/427	6341/427	t sNd 616C	dCW
ebomAPu	E8	S6	P 4B	7262S7	6341/427	6341/427	t sNd 616C	dCW
VoDohAPu	E8	Sa6	P 4B	7262S7	6341/427	6341/427	t sNd 616C	dCW
ZADH	E8	S6	P 4B	7262S7	6341/427	6341/427	t sNd 616C	dCW

By yDh

ND: Egic8yiyHyh

RL: RyTgmAD cBAu A

ENTHALPY ANALYTICAL

Dissolved California Title 22 Metals

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-11 **Diln Fac:** 1.000 **Prep:** METHOD

Lab ID: 490121-002 **Sampled:** 08/09/23

Matrix: Filtrate **Received:** 08/09/23

490121-002 Analyte	Result	RL	Units	Batch#	Prepared	Analyzed	Analysis	Analyst
Antimony	ND	40	ug/L	320147	08/11/23	08/11/23	EPA 6010B	SBW
Arsenic	ND	10	ug/L	320147	08/11/23	08/11/23	EPA 6010B	SBW
Barium	**65**	10	ug/L	320147	08/11/23	08/11/23	EPA 6010B	SBW
Beryllium	ND	1.0	ug/L	320147	08/11/23	08/11/23	EPA 6010B	SBW
Cadmium	ND	5.0	ug/L	320147	08/11/23	08/11/23	EPA 6010B	SBW
Chromium	ND	10	ug/L	320147	08/11/23	08/11/23	EPA 6010B	SBW
Cobalt	ND	5.0	ug/L	320147	08/11/23	08/11/23	EPA 6010B	SBW
Copper	ND	10	ug/L	320147	08/11/23	08/11/23	EPA 6010B	SBW
Lead	ND	10	ug/L	320147	08/11/23	08/11/23	EPA 6010B	SBW
Mercury	ND	0.40	ug/L	320319	08/15/23	08/15/23	EPA 7470A	KAM
Molybdenum	ND	10	ug/L	320147	08/11/23	08/11/23	EPA 6010B	SBW
Nickel	ND	10	ug/L	320147	08/11/23	08/11/23	EPA 6010B	SBW
Selenium	ND	30	ug/L	320147	08/11/23	08/11/23	EPA 6010B	SBW
Silver	ND	5.0	ug/L	320147	08/11/23	08/11/23	EPA 6010B	SBW
Thallium	ND	50	ug/L	320147	08/11/23	08/11/23	EPA 6010B	SBW
Vanadium	**7.0**	5.0	ug/L	320147	08/11/23	08/11/23	EPA 6010B	SBW
Zinc	ND	50	ug/L	320147	08/11/23	08/11/23	EPA 6010B	SBW

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Dissolved California Title 22 Metals

Lab #: 92E1. 1 **Project#:** 17280EE8ES1E6

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-1. **Diln Fac:** 10EEE **Prep:** MTHOD4

Lab ID: 92E1. 1-EE8 **Sampled:** E/ 3E23 8

Matrix: Filtrate **Received:** E/ 3E23 8

490121-003 Analyte	Result	RL	Units	Batch#	Prepared	Analyzed	Analysis	Analyst
Antimony	N4	9E	ug1L	8. E197	E/ 3113 8	E/ 3113 8	TPA 6E1EB	SBW
Arsenic	N4	1E	ug1L	8. E197	E/ 3113 8	E/ 3193 8	TPA 6E1EB	SBW
Barium	**120**	1E	ug1L	8. E197	E/ 3113 8	E/ 3113 8	TPA 6E1EB	SBW
Beryllium	N4	10E	ug1L	8. E197	E/ 3113 8	E/ 3113 8	TPA 6E1EB	SBW
Cadmium	N4	50E	ug1L	8. E197	E/ 3113 8	E/ 3113 8	TPA 6E1EB	SBW
Chromium	N4	1E	ug1L	8. E197	E/ 3113 8	E/ 3113 8	TPA 6E1EB	SBW
Cobalt	N4	50E	ug1L	8. E197	E/ 3113 8	E/ 3113 8	TPA 6E1EB	SBW
Copper	N4	1E	ug1L	8. E197	E/ 3113 8	E/ 3113 8	TPA 6E1EB	SBW
Lead	N4	1E	ug1L	8. E197	E/ 3113 8	E/ 3113 8	TPA 6E1EB	SBW
Mercury	N4	E09E	ug1L	8. E812	E/ 3153 8	E/ 3153 8	TPA 797EA	KAM
Molybdenum	N4	1E	ug1L	8. E197	E/ 3113 8	E/ 3113 8	TPA 6E1EB	SBW
Nickel	N4	1E	ug1L	8. E197	E/ 3113 8	E/ 3113 8	TPA 6E1EB	SBW
Selenium	N4	8E	ug1L	8. E197	E/ 3113 8	E/ 3113 8	TPA 6E1EB	SBW
Silver	N4	50E	ug1L	8. E197	E/ 3113 8	E/ 3113 8	TPA 6E1EB	SBW
Hhallium	N4	5E	ug1L	8. E197	E/ 3113 8	E/ 3113 8	TPA 6E1EB	SBW
Vanadium	**5.7**	50E	ug1L	8. E197	E/ 3113 8	E/ 3113 8	TPA 6E1EB	SBW
Zinc	N4	5E	ug1L	8. E197	E/ 3113 8	E/ 3113 8	TPA 6E1EB	SBW

Legend

ND: Not 4 etected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Dissolved California Title 22 Metals

Lab #: 92t 131 **Project#:** 1S26at t 6t d 1t l

Client: x gP&dN55ghAoiy5 **Location:** NCl Fc: gPDprn.

Field ID: MW-16 **Diln Fac:** 1at t t **Prep:** Mer 08/

Lab ID: 92t 131-t t 9 **Sampled:** t 47t 2736

Matrix: . Aimoiy **Received:** t 47t 2736

490121-004 Analyte	Result	RL	Units	Batch#	Prepared	Analyzed	Analysis	Analyst
NDiAu gDL	E/	9t	P 7B	63t 19S	t 47l 1736	t 47l 1736	es Ndt 1t C	dCW
Nn5yDAn	E/	1t	P 7B	63t 19S	t 47l 1736	t 47l 9736	es Ndt 1t C	dCW
Barium	**200**	1t	P 7B	63t 19S	t 47l 1736	t 47l 1736	es Ndt 1t C	dCW
CynbmAPu	E/	1at	P 7B	63t 19S	t 47l 1736	t 47l 1736	es Ndt 1t C	dCW
b opu APu	E/	Tat	P 7B	63t 19S	t 47l 1736	t 47l 1736	es Ndt 1t C	dCW
b Hngu APu	E/	1t	P 7B	63t 19S	t 47l 1736	t 47l 1736	es Ndt 1t C	dCW
b gConi	E/	Tat	P 7B	63t 19S	t 47l 1736	t 47l 1736	es Ndt 1t C	dCW
b gKKym	E/	1t	P 7B	63t 19S	t 47l 1736	t 47l 1736	es Ndt 1t C	dCW
Byop	E/	1t	P 7B	63t 19S	t 47l 1736	t 47l 1736	es Ndt 1t C	dCW
MymhPn.	E/	t a9t	P 7B	63t 612	t 47l T736	t 47l T736	es NcS9St N	kNM
MgnLCpyDPu	E/	1t	P 7B	63t 19S	t 47l 1736	t 47l 1736	es Ndt 1t C	dCW
EAnvyn	E/	1t	P 7B	63t 19S	t 47l 1736	t 47l 1736	es Ndt 1t C	dCW
dynyDAPu	E/	6t	P 7B	63t 19S	t 47l 1736	t 47l 1736	es Ndt 1t C	dCW
dAWym	E/	Tat	P 7B	63t 19S	t 47l 1736	t 47l 1736	es Ndt 1t C	dCW
r HomAPu	E/	Tt	P 7B	63t 19S	t 47l 1736	t 47l 1736	es Ndt 1t C	dCW
ZoDopAPu	E/	Tat	P 7B	63t 19S	t 47l 1736	t 47l 1736	es Ndt 1t C	dCW
RADh	E/	Tt	P 7B	63t 19S	t 47l 1736	t 47l 1736	es Ndt 1t C	dCW

By yDp

ND: Egid yiyhiyp

RL: x yKgmAD dBAu A

ENTHALPY ANALYTICAL

DiuuNlved CalifNrnia Title 22 Metalu

Lab z: 69t 121 **PrNjectz:** 1s9. at t . t 51t C

Client: x L &lDhhLbnymNh **LNcatiNn:** Dd l ffAL uTcE

Field ID: MW-16 **DiIn Fac:** 1at t t **Prep:** Mer 08/

Lab ID: 69t 121-t t 3 **Sampled:** t 47t 972.

Matrix: Anmoymh **Received:** t 47t 972.

490121-00A y nalste	ReuUlt	RL	Bnitu	h atc#z	Prepared	y nals5ed	y nalsuiu	y nalsut
DumgLuE	P/	6t	B7S	. 2t 16s	t 47l 172.	t 47l 172.	ec DlCt 1t d	5dW
DchNumb	P/	1t	B7S	. 2t 16s	t 47l 172.	t 47l 672.	ec DlCt 1t d	5dW
h ariUm	**A9**	1t	B7S	. 2t 16s	t 47l 172.	t 47l 172.	ec DlCt 1t d	5dW
d NdEiin g	P/	1at	B7S	. 2t 16s	t 47l 172.	t 47l 172.	ec DlCt 1t d	5dW
p yTg n g	P/	3at	B7S	. 2t 16s	t 47l 172.	t 47l 172.	ec DlCt 1t d	5dW
p HdLg n g	P/	1t	B7S	. 2t 16s	t 47l 172.	t 47l 172.	ec DlCt 1t d	5dW
p LOyim	P/	3at	B7S	. 2t 16s	t 47l 172.	t 47l 172.	ec DlCt 1t d	5dW
p LKKNo	P/	1t	B7S	. 2t 16s	t 47l 172.	t 47l 172.	ec DlCt 1t d	5dW
SNyT	P/	1t	B7S	. 2t 16s	t 47l 172.	t 47l 172.	ec DlCt 1t d	5dW
MNdo cE	P/	t a6t	B7S	. 2t . 19	t 47l 372.	t 47l 372.	ec Dls6st D	k DM
MLiEOTNu g	P/	1t	B7S	. 2t 16s	t 47l 172.	t 47l 172.	ec DlCt 1t d	5dW
PnbvNi	P/	1t	B7S	. 2t 16s	t 47l 172.	t 47l 172.	ec DlCt 1t d	5dW
5NiNun g	P/	. t	B7S	. 2t 16s	t 47l 172.	t 47l 172.	ec DlCt 1t d	5dW
5niVNo	P/	3at	B7S	. 2t 16s	t 47l 172.	t 47l 172.	ec DlCt 1t d	5dW
r Hyiin g	P/	3t	B7S	. 2t 16s	t 47l 172.	t 47l 172.	ec DlCt 1t d	5dW
ZyuyTn g	P/	3at	B7S	. 2t 16s	t 47l 172.	t 47l 172.	ec DlCt 1t d	5dW
Rnub	P/	3t	B7S	. 2t 16s	t 47l 172.	t 47l 172.	ec DlCt 1t d	5dW

SNBNuT

oD: PLrtrl NnbrnNT

RL: x NKLcmuBlSng nm

ENTHALPY ANALYTICAL

Dissolved California Title 22 Metals

Lab #: 92t 131 **Project#:** 1c2Aat t At 5 1t 4

Client: x EB&Qu hhEbiNbDh **Location:** u d l R@ EBgTyP

Field ID: MW-16 **Diln Fac:** 1a t t **Prep:** Mer 0 8 /

Lab ID: 92t 131-t t 4 **Sampled:** t 7.t 2.3A

Matrix: nimyNbD **Received:** t 7.t 2.3A

490121-006 Analyte	Result	RL	Units	Batch#	Prepared	Analyzed	Analysis	Analyst
ugoiL EgP	/	9t	BS.s	A3t 19c	t 7.11.3A	t 7.11.3A	el u@t 1t d	5dW
uyhDgib	/	1t	BS.s	A3t 19c	t 7.11.3A	t 7.19.3A	el u@t 1t d	5dW
Barium	**44**	1t	BS.s	A3t 19c	t 7.11.3A	t 7.11.3A	el u@t 1t d	5dW
dDyPmiBL	/	1a	BS.s	A3t 19c	t 7.11.3A	t 7.11.3A	el u@t 1t d	5dW
p NTL iBL	/	6a	BS.s	A3t 19c	t 7.11.3A	t 7.11.3A	el u@t 1t d	5dW
p HyEL iBL	/	1t	BS.s	A3t 19c	t 7.11.3A	t 7.11.3A	el u@t 1t d	5dW
p EONm	/	6a	BS.s	A3t 19c	t 7.11.3A	t 7.11.3A	el u@t 1t d	5dW
p EKKDy	/	1t	BS.s	A3t 19c	t 7.11.3A	t 7.11.3A	el u@t 1t d	5dW
sDNT	/	1t	BS.s	A3t 19c	t 7.11.3A	t 7.11.3A	el u@t 1t d	5dW
MDybByP	/	t a9t	BS.s	A3t A12	t 7.16.3A	t 7.16.3A	el u@9ct u	kuM
MEnROTDgBL	/	1t	BS.s	A3t 19c	t 7.11.3A	t 7.11.3A	el u@t 1t d	5dW
ibvDm	/	1t	BS.s	A3t 19c	t 7.11.3A	t 7.11.3A	el u@t 1t d	5dW
5DnDgiBL	/	At	BS.s	A3t 19c	t 7.11.3A	t 7.11.3A	el u@t 1t d	5dW
5inWDy	/	6a	BS.s	A3t 19c	t 7.11.3A	t 7.11.3A	el u@t 1t d	5dW
r HNmiBL	/	6t	BS.s	A3t 19c	t 7.11.3A	t 7.11.3A	el u@t 1t d	5dW
ZNgNTiBL	/	6a	BS.s	A3t 19c	t 7.11.3A	t 7.11.3A	el u@t 1t d	5dW
Rigb	/	6t	BS.s	A3t 19c	t 7.11.3A	t 7.11.3A	el u@t 1t d	5dW

sDSDgT

ND: EqC DDbdT

RL: x DKEydgSGiL io

ENTHALPY ANALYTICAL

Dissolved California Title 22 Metals

Lab #: 92t 131 **Project#:** 142Aat t At d 1t 6

Client: x EB&lu 55EhiNdD5 **Location:** u Cl lfn EBgpyP

Field ID: MW-16 **Diln Fac:** 1at t t **Prep:** Mer 08/

Lab ID: 92t 131-t t 4 **Sampled:** t 7.t 2.3A

Matrix: nimyNdD **Received:** t 7.t 2.3A

490121-007 Analyte	Result	RL	Units	Batch#	Prepared	Analyzed	Analysis	Analyst
ugoiL EgP	/	9t	BS.s	A3t 194	t 7.11.3A	t 7.11.3A	eculδt 1t C	dCW
uy5Dgih	/	1t	BS.s	A3t 194	t 7.11.3A	t 7.19.3A	eculδt 1t C	dCW
Barium	**76**	1t	BS.s	A3t 194	t 7.11.3A	t 7.11.3A	eculδt 1t C	dCW
CDyPmiBL	/	1at	BS.s	A3t 194	t 7.11.3A	t 7.11.3A	eculδt 1t C	dCW
b NpL iBL	/	Tat	BS.s	A3t 194	t 7.11.3A	t 7.11.3A	eculδt 1t C	dCW
b HyEL iBL	/	1t	BS.s	A3t 194	t 7.11.3A	t 7.11.3A	eculδt 1t C	dCW
b ECNnn	/	Tat	BS.s	A3t 194	t 7.11.3A	t 7.11.3A	eculδt 1t C	dCW
b EKKDy	/	1t	BS.s	A3t 194	t 7.11.3A	t 7.11.3A	eculδt 1t C	dCW
sDNp	/	1t	BS.s	A3t 194	t 7.11.3A	t 7.11.3A	eculδt 1t C	dCW
MDyhByP	/	t a9t	BS.s	A3t A12	t 7.1T.3A	t 7.1T.3A	eculΔ94t u	kuM
MEnRCpDgBL	/	1t	BS.s	A3t 194	t 7.11.3A	t 7.11.3A	eculδt 1t C	dCW
ihvDm	/	1t	BS.s	A3t 194	t 7.11.3A	t 7.11.3A	eculδt 1t C	dCW
dDnDgiBL	/	At	BS.s	A3t 194	t 7.11.3A	t 7.11.3A	eculδt 1t C	dCW
dinvDy	/	Tat	BS.s	A3t 194	t 7.11.3A	t 7.11.3A	eculδt 1t C	dCW
r HNnniBL	/	Tt	BS.s	A3t 194	t 7.11.3A	t 7.11.3A	eculδt 1t C	dCW
ZNgNpiBL	/	Tat	BS.s	A3t 194	t 7.11.3A	t 7.11.3A	eculδt 1t C	dCW
Righ	/	Tt	BS.s	A3t 194	t 7.11.3A	t 7.11.3A	eculδt 1t C	dCW

sDSDgp

ND: Ed/ DδDhdDp

RL: x DKEydgSlsiL io

ENTHALPY ANALYTICAL

Dissolved California Title 22 Metals

Lab #: 92t 131 **Project#:** 162. at t . t 51t C

Client: RL xID&&LKnymN& **Location:** DdI ffAL ubcE

Field ID: MW-16 **Diln Fac:** 1at t t **Prep:** Mer 08/

Lab ID: 92t 131-t t 4 **Sampled:** t 47t 273.

Matrix: AnimoymN **Received:** t 47t 273.

490121-008 Analyte	Result	RL	Units	Batch#	Prepared	Analyzed	Analysis	Analyst
DumgLuE	P/	9t	B7S	. 3t 3s.	t 47197 3.	t 47197 3.	ecDICt 1t d	5dW
Arsenic	**12**	1t	B7S	. 3t 3s.	t 47197 3.	t 47197 3.	ecDICt 1t d	5dW
Barium	**76**	1t	B7S	. 3t 3s.	t 47197 3.	t 47197 3.	ecDICt 1t d	5dW
dNdEiin g	P/	1at	B7S	. 3t 3s.	t 47197 3.	t 47197 3.	ecDICt 1t d	5dW
hybg n g	P/	sat	B7S	. 3t 3s.	t 47197 3.	t 47197 3.	ecDICt 1t d	5dW
hpdLg n g	P/	1t	B7S	. 3t 3s.	t 47197 3.	t 47197 3.	ecDICt 1t d	5dW
hLTyim	P/	sat	B7S	. 3t 3s.	t 47197 3.	t 47197 3.	ecDICt 1t d	5dW
hLHHNo	P/	1t	B7S	. 3t 3s.	t 47197 3.	t 47197 3.	ecDICt 1t d	5dW
SNyb	P/	1t	B7S	. 3t 3s.	t 47197 3.	t 47197 3.	ecDICt 1t d	5dW
Mercury	**0.67**	t a9t	B7S	. 3t . 12	t 47 s7 3.	t 47 s7 3.	ecDI696t D	ODM
MLiETbNu g	P/	1t	B7S	. 3t 3s.	t 47197 3.	t 47197 3.	ecDICt 1t d	5dW
PnKkNi	P/	1t	B7S	. 3t 3s.	t 47197 3.	t 47197 3.	ecDICt 1t d	5dW
5NiNun g	P/	. t	B7S	. 3t 3s.	t 47197 3.	t 47197 3.	ecDICt 1t d	5dW
5nivNo	P/	sat	B7S	. 3t 3s.	t 47197 3.	t 47197 3.	ecDICt 1t d	5dW
r pyiin g	P/	st	B7S	. 3t 3s.	t 47197 3.	t 47197 3.	ecDICt 1t d	5dW
Vyuybn g	P/	sat	B7S	. 3t 3s.	t 47197 3.	t 47197 3.	ecDICt 1t d	5dW
ZnuK	P/	st	B7S	. 3t 3s.	t 47197 3.	t 47197 3.	ecDICt 1t d	5dW

SNBNub

ND: PLnN NnKnNb

RL: RN-LonuBlSng nn

ENTHALPY ANALYTICAL

Dissolved California Title 22 Metals: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: BLANK **Batch#:** 320147 **Analysis:** EPA 6010B

Lab ID: QC1086228 **Prepared:** 08/11/23 **Analyst:** SBW

Matrix: Filtrate **Analyzed:** 08/11/23

DilIn Fac: 1.000 **Prep:** METHOD

QC1086228 Analyte	Result	RL	Units
Antimony	ND	40	ug/L
Arsenic	ND	10	ug/L
Barium	ND	10	ug/L
Beryllium	ND	1.0	ug/L
Cadmium	ND	5.0	ug/L
Chromium	ND	10	ug/L
Cobalt	ND	5.0	ug/L
Copper	ND	10	ug/L
Lead	ND	10	ug/L
Molybdenum	ND	10	ug/L
Nickel	ND	10	ug/L
Selenium	ND	30	ug/L
Silver	ND	5.0	ug/L
Thallium	ND	50	ug/L
Vanadium	ND	5.0	ug/L
Zinc	ND	50	ug/L

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Dissolved California Title 22 Metals: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: LCS **Diln Fac:** 1.000 **Prep:** METHOD

Lab ID: QC1086229 **Batch#:** 320147 **Analysis:** EPA 6010B

Matrix: Filtrate **Prepared:** 08/11/23 **Analyst:** SBW

QC1086229 Analyte	Spiked	Result	%REC	Limits	Units	Analyzed
Antimony	400.0	396.0	99	80-120	ug/L	08/11/23
Arsenic	400.0	441.5	110	80-120	ug/L	08/14/23
Barium	400.0	456.1	114	80-120	ug/L	08/11/23
Beryllium	400.0	444.8	111	80-120	ug/L	08/14/23
Cadmium	400.0	432.9	108	80-120	ug/L	08/14/23
Chromium	400.0	454.5	114	80-120	ug/L	08/11/23
Cobalt	400.0	444.5	111	80-120	ug/L	08/14/23
Copper	400.0	424.1	106	80-120	ug/L	08/11/23
Lead	400.0	453.6	113	80-120	ug/L	08/14/23
Molybdenum	400.0	440.4	110	80-120	ug/L	08/11/23
Nickel	400.0	432.2	108	80-120	ug/L	08/14/23
Selenium	400.0	455.4	114	80-120	ug/L	08/14/23
Silver	200.0	212.8	106	80-120	ug/L	08/11/23
Thallium	400.0	449.3	112	80-120	ug/L	08/14/23
Vanadium	400.0	453.6	113	80-120	ug/L	08/11/23
Zinc	400.0	427.2	107	80-120	ug/L	08/14/23

ENTHALPY ANALYTICAL

Dissolved California Title 22 Metals: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-11 **Diln Fac:** 1.000 **Prep:** METHOD

Type: MS **Batch#:** 320147 **Analysis:** EPA 6010B

MSS Lab ID: 490121-002 **Sampled:** 08/09/23 **Analyst:** SBW

Lab ID: QC1086230 **Received:** 08/09/23

Matrix: Filtrate **Prepared:** 08/11/23

QC1086230 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units	Analyzed
Antimony	<16.17	400.0	333.9	83	75-125	ug/L	08/14/23
Arsenic	6.753	400.0	446.7	110	75-125	ug/L	08/14/23
Barium	64.60	400.0	504.6	110	75-125	ug/L	08/11/23
Beryllium	<0.1263	400.0	435.9	109	75-125	ug/L	08/14/23
Cadmium	<0.6975	400.0	420.7	105	75-125	ug/L	08/14/23
Chromium	<1.962	400.0	439.6	110	75-125	ug/L	08/11/23
Cobalt	<3.738	400.0	442.1	111	75-125	ug/L	08/14/23
Copper	2.714	400.0	433.1	108	75-125	ug/L	08/11/23
Lead	<2.621	400.0	430.9	108	75-125	ug/L	08/14/23
Molybdenum	7.847	400.0	270.3	66 *	75-125	ug/L	08/11/23
Nickel	<4.016	400.0	451.9	113	75-125	ug/L	08/11/23
Selenium	<11.03	400.0	429.1	107	75-125	ug/L	08/14/23
Silver	<1.716	200.0	120.4	60 *	75-125	ug/L	08/11/23
Thallium	<7.510	400.0	444.7	111	75-125	ug/L	08/11/23
Vanadium	7.028	400.0	444.1	109	75-125	ug/L	08/11/23
Zinc	<6.801	400.0	418.5	105	75-125	ug/L	08/14/23

Field ID: MW-11 **Diln Fac:** 1.000 **Prep:** METHOD

Type: MSD **Batch#:** 320147 **Analysis:** EPA 6010B

MSS Lab ID: 490121-002 **Sampled:** 08/09/23 **Analyst:** SBW

Lab ID: QC1086231 **Received:** 08/09/23

Matrix: Filtrate **Prepared:** 08/11/23

QC1086231 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim	Analyzed
Antimony	400.0	338.6	85	75-125	ug/L	1	20	08/14/23
Arsenic	400.0	445.4	110	75-125	ug/L	0	20	08/14/23
Barium	400.0	503.7	110	75-125	ug/L	0	20	08/11/23
Beryllium	400.0	433.6	108	75-125	ug/L	1	20	08/14/23
Cadmium	400.0	418.4	105	75-125	ug/L	1	20	08/14/23
Chromium	400.0	435.7	109	75-125	ug/L	1	20	08/11/23
Cobalt	400.0	439.1	110	75-125	ug/L	1	20	08/14/23
Copper	400.0	428.4	106	75-125	ug/L	1	20	08/11/23
Lead	400.0	427.2	107	75-125	ug/L	1	20	08/14/23
Molybdenum	400.0	275.0	67 *	75-125	ug/L	2	20	08/11/23
Nickel	400.0	446.0	111	75-125	ug/L	1	20	08/11/23
Selenium	400.0	424.2	106	75-125	ug/L	1	20	08/14/23
Silver	200.0	113.1	57 *	75-125	ug/L	6	20	08/11/23
Thallium	400.0	439.5	110	75-125	ug/L	1	20	08/11/23
Vanadium	400.0	439.6	108	75-125	ug/L	1	20	08/11/23
Zinc	400.0	416.2	104	75-125	ug/L	1	20	08/14/23

ENTHALPY ANALYTICAL

Dissolved California Title 22 Metals: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Legend

*: Value is outside QC limits

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Dissolved California Title 22 Metals: Batch QC

Lab #: S90 2 **Project#:** 893M030W 0P

Client: RygxEAccydler. c **Location:** AB&lE ygm5au

Type: BLANK **Batch#:** 320213 **Analysis:** 47AEP0 0B

Lab ID: 6Q 0CP18P **Prepared:** 0C/ S/23 **Analyst:** WBF

Matrix: i ltrær. **Analyzed:** 0C/ S/23

DiIn Fac: M000 **Prep:** T4HODn

QC1086576 Analyte	Result	RL	Units
Amlo ymu	Nn	S0	gs/L
Aac. mld	Nn	0	gs/L
Bealgo	Nn	0	gs/L
B. auttlgo	Nn	M	gs/L
Qe5o lgo	Nn	1M	gs/L
Qhayo lgo	Nn	0	gs/L
Qybetr	Nn	1M	gs/L
Qypp. a	Nn	0	gs/L
L. e5	Nn	0	gs/L
T ytub5. mgo	Nn	0	gs/L
NIdk. t	Nn	0	gs/L
W t. mlgo	Nn	30	gs/L
Wtv. a	Nn	1M	gs/L
Hhettlgo	Nn	10	gs/L
Veme5lgo	Nn	1M	gs/L
ZImd	Nn	10	gs/L

L. s. m5

ND: Nyr5. r. dr. 5

RL: R. pyarlmsELo lr

ENTHALPY ANALYTICAL

z TppUr6l Lcx l rTfUSPTdFTDl coodb l D rpdc l D Bcmx

yl ncad 4- 0Q. Q
MSUjl : Dad Q9- 1t0010SQ0D
xrT PDd lRogxOHlcco5AB c
yU: l DUPd H8 &lOPogndFy

Fi el d LCS
l D Bad 1. 0. Ml
sPl ri pTpd ETHQ00Q08
yl nc4z d 6 CQ02DM99
MSl el Sl Ld 023Q43 1
sPl ri pDd S8 7
bl DSt d PAEF B
sPl ri hl Ld 023Q43 1
z TrPc#l : d Q1000
MSl ed r Eae/ W

mx RvQC100cs Pl ri D	8eTBl L	2l p5rD	u 2kx	yT%TDp	EPTDp
HnBAmony	400t0	12- tQ	- 9	20uQ. 0	gs3L
HFcl nA5	400t0	1- 0tD	- 2	20uQ. 0	gs3L
8i FAgm	400t0	1- 9tQ	- -	20uQ. 0	gs3L
8l Fy Agm	400t0	1- - t9	Q00	20uQ. 0	gs3L
Ci dmAgm	400t0	40. t2	Q0Q	20uQ. 0	gs3L
ChFomAgm	400t0	1- Qt-	- 2	20uQ. 0	gs3L
Cobi B	400t0	4QM2	Q04	20uQ. 0	gs3L
Coppl F	400t0	12Dt2	- 9	20uQ. 0	gs3L
Ll i d	400t0	4Q9t4	Q04	20uQ. 0	gs3L
r o ybdl ngm	400t0	4. Dt4	Q09	20uQ. 0	gs3L
NA5kl	400t0	40. t0	Q0Q	20uQ. 0	gs3L
Sl l nAgm	400t0	120tQ	- M	20uQ. 0	gs3L
SAvl F	. 00t0	Q- 4t2	- 9	20uQ. 0	gs3L
ahi Agm	400t0	41Qt1	Q02	20uQ. 0	gs3L
Vi ni dAgm	400t0	40Mt0	Q0Q	20uQ. 0	gs3L
ZAn5	400t0	402t2	Q0.	20uQ. 0	gs3L

ENTHALPY ANALYTICAL

Dimm6lRed Calif6SBia Tide oo Lecalm nacsA QC

t ah z: 490121 **MS6jescz:** 1793.0030S106

ClieBc: Roux Associates **t 6sad6B:** AB&I Foundry

Field ID: MW-17 **DilB Fas:** 1.000 **PBalrped:** 08/14/23

Trye: MS **nacsAz:** 320253 **MSey:** METHOD

L bb t ah ID: 490121-008 **ba# yled:** 08/09/23 **PBalrmim** EPA 6010B

t ah ID: QC1086578 **xeseiRed:** 08/09/23 **PBalrmc:** SBW

L acSv: Filtrate **MSeyaSed:** 08/14/23

QC1083928 PBalrœ	L bb xem5lc	byiued	xem5lc	k x%C	t i# iœm	EBiœm
Antimony	<16.17	400.0	311.2	78	75-125	ug/L
Arsenic	11.81	400.0	396.2	96	75-125	ug/L
Barium	75.98	400.0	451.9	94	75-125	ug/L
Beryllium	<0.1263	400.0	385.8	96	75-125	ug/L
Cadmium	<0.6975	400.0	373.6	93	75-125	ug/L
Chromium	<1.962	400.0	372.7	93	75-125	ug/L
Cobalt	<3.738	400.0	396.0	99	75-125	ug/L
Copper	1.993	400.0	404.5	101	75-125	ug/L
Lead	<2.621	400.0	389.5	97	75-125	ug/L
Molybdenum	6.353	400.0	338.4	83	75-125	ug/L
Nickel	<4.016	400.0	382.0	95	75-125	ug/L
Selenium	<11.03	400.0	394.3	99	75-125	ug/L
Silver	<1.716	200.0	183.6	92	75-125	ug/L
Thallium	<7.510	400.0	392.8	98	75-125	ug/L
Vanadium	3.625	400.0	395.8	98	75-125	ug/L
Zinc	9.867	400.0	387.5	94	75-125	ug/L

Field ID: MW-17 **DilB Fas:** 1.000 **PBalrped:** 08/14/23

Trye: MSD **nacsAz:** 320253 **MSey:** METHOD

L bb t ah ID: 490121-008 **ba# yled:** 08/09/23 **PBalrmim** EPA 6010B

t ah ID: QC1086579 **xeseiRed:** 08/09/23 **PBalrmc:** SBW

L acSv: Filtrate **MSeyaSed:** 08/14/23

QC108392UPBalrœ	byiued	xem5lc	k x%C	t i# iœm	EBiœm	x MD	t i#
Antimony	400.0	316.2	79	75-125	ug/L	2	20
Arsenic	400.0	400.6	97	75-125	ug/L	1	20
Barium	400.0	453.1	94	75-125	ug/L	0	20
Beryllium	400.0	386.0	96	75-125	ug/L	0	20
Cadmium	400.0	374.0	94	75-125	ug/L	0	20
Chromium	400.0	373.0	93	75-125	ug/L	0	20
Cobalt	400.0	395.3	99	75-125	ug/L	0	20
Copper	400.0	404.1	101	75-125	ug/L	0	20
Lead	400.0	388.8	97	75-125	ug/L	0	20
Molybdenum	400.0	346.1	85	75-125	ug/L	2	20
Nickel	400.0	381.6	95	75-125	ug/L	0	20
Selenium	400.0	398.6	100	75-125	ug/L	1	20
Silver	200.0	183.5	92	75-125	ug/L	0	20
Thallium	400.0	396.1	99	75-125	ug/L	1	20
Vanadium	400.0	395.3	98	75-125	ug/L	0	20
Zinc	400.0	387.7	94	75-125	ug/L	0	20

ENTHALPY ANALYTICAL

Dimm6lRed Calif6SBia Tide oo L ecalm nacsA QC

t ah z: 490121	**MS6jescz:** 1793.0030S106
ClieBc: Roux Associates	**t 6sad6B:** AB&l Foundry

Legend

x MD: Relative Percent Difference

ENTHALPY ANALYTICAL

Dissolved California Title 22 Metals: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type:	BLANK	**Batch#:**	320319	**Analysis:**	EPA 7470A
Lab ID:	QC1086766	**Prepared:**	08/15/23	**Analyst:**	KAM
Matrix:	Filtrate	**Analyzed:**	08/15/23		
DilIn Fac:	1.000	**Prep:**	METHOD		

QC1086766 Analyte	Result	RL	Units
Mercury	ND	0.40	ug/L

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

r zyyErUl Lcx l mzfESAzl cFzDl coodcb l Dl nydc l D Bcmx

Tl pcad 490121	**MSEjl : Dad** 1793.0030S106
x nl AD0l Roux Associates	**TE: l D2EAd** AB&l Foundry

Fi el d LCS	**l D: Bad** 320319	**s Al ri yzyd** EPA 7470A
Tl pcP d QC1086767	**MSl el Sl Ld** 08/15/23	**s Al ri yD0l** KAM
b l D2t d Filtrate	**s Al ri hl Ld** 08/15/23	
r zmAc#l : d 1.000	**MSl ed** METHOD	

mx RvQC1C1cs Al ri D	0ez8l L	3l y2nD	6 3ux	Tzk zDy	%AzDy
Mercury	5.000	5.376	108	80-120	ug/L

ENTHALPY ANALYTICAL

Dissolved California Title 22 Metals: Batch QC

Lab #: / e61s1 **Project#:** 14e 566 6r 16E

Client: RVI BS3 nnVoOPCAn **Location:** 3 &I F5HVI mgOK

Field ID:	MW-16	**DiIn Fac:**	15666	**Analyzed:**	6.01a0s
Type:	Mr	**Batch#:**	s6 1e	**Prep:**	Mci v d8
MSS Lab ID:	/ e61s1-661	**Sampled:**	6.06e0s	**Analysis:**	c23S4/463
Lab ID:	9716. E4E.	**Received:**	6.06e0s	**Analyst:**	T3M
Matrix:	HOOOPCA	**Prepared:**	6.01a0s		

QC1086768 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
MAGoI OK	65Is1E	a5666	5s46	E Su	4a-1sa	I y0'

Field ID:	MW-16	**DiIn Fac:**	15666	**Analyzed:**	6.01a0s
Type:	Mr 8	**Batch#:**	s6 1e	**Prep:**	Mci v d8
MSS Lab ID:	/ e61s1-661	**Sampled:**	6.06e0s	**Analysis:**	c23S4/463
Lab ID:	9716. E4Ee	**Received:**	6.06e0s	**Analyst:**	T3M
Matrix:	HOOOPCA	**Prepared:**	6.01a0s		

QC1086769 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
MAGoI OK	a5666	5 / 6	E/ Su	4a-1sa	I y0'	s	s6

*AyAng

*: LPIDASoSM oQGASo 7 SD Qo

RPD: RADPOAS2 AQoAnQS QoAQAnoA

ENTHALPY ANALYTICAL

DimmUlRed CalifUSBia zide oo L ecalm pacsP QC

t ah r: 490121 **MSUjesor:** 1793.0030S106

ClieBc: Roux Associates **t UsadUB:** AB&I Foundry

Field ID:	ZZZZZZZZZZ	**DilB Fas:**	1.000	**ABalnyed:**	08/15/23
znTe:	MS	**pacsPr:**	320319	**MSeT:**	METHOD
L bb t ah ID:	490179-005	**ba# Tled:**	08/09/23	**ABalnmim**	EPA 7470A
t ah ID:	QC1086770	**xeseiRed:**	08/10/23	**ABalnmc:**	KAM
L acSv:	Filtrate	**MSeTaSed:**	08/15/23		

QC1083220 ABalnœ	L bb xem6lc	bTiued	xem6lc	k x %C	t i# iœm	EBiœm
Mercury	<0.05581	5.000	5.059	101	75-125	ug/L

Field ID:	ZZZZZZZZZZ	**DilB Fas:**	1.000	**ABalnyed:**	08/15/23
znTe:	MSD	**pacsPr:**	320319	**MSeT:**	METHOD
L bb t ah ID:	490179-005	**ba# Tled:**	08/09/23	**ABalnmim**	EPA 7470A
t ah ID:	QC1086771	**xeseiRed:**	08/10/23	**ABalnmc:**	KAM
L acSv:	Filtrate	**MSeTaSed:**	08/15/23		

QC1083221 ABalnœ	bTiued	xem6lc	k x %C	t i# iœm	EBiœm	x MD	t i#
Mercury	5.000	5.351	107	75-125	ug/L	6	20

Legend

x MD: Relative Percent Difference

Enthalpy Analytical - Orange Analytical Report

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID: MW-10	**Batch#:** 320145	**Prep:** METHOD
Type: SAMPLE	**Sampled:** 08/09/23 13:30	**Analysis:** EPA 218.6
Lab ID: 490121-001	**Received:** 08/09/23	**Analyst:** PAS
Matrix: Water	**Prepared:** 08/11/23 12:07	
Diln Fac: 1.000	**Analyzed:** 08/11/23 15:06	

490121-001 Analyte	Result	RL	Units
Hexavalent Chromium	ND	1.0	ug/L

Field ID: MW-11	**Batch#:** 320145	**Prep:** METHOD
Type: SAMPLE	**Sampled:** 08/09/23 12:52	**Analysis:** EPA 218.6
Lab ID: 490121-002	**Received:** 08/09/23	**Analyst:** PAS
Matrix: Water	**Prepared:** 08/11/23 12:07	
Diln Fac: 1.000	**Analyzed:** 08/11/23 15:17	

490121-002 Analyte	Result	RL	Units
Hexavalent Chromium	ND	1.0	ug/L

Field ID: MW-12	**Batch#:** 320145	**Prep:** METHOD
Type: SAMPLE	**Sampled:** 08/09/23 12:14	**Analysis:** EPA 218.6
Lab ID: 490121-003	**Received:** 08/09/23	**Analyst:** PAS
Matrix: Water	**Prepared:** 08/11/23 12:07	
Diln Fac: 1.000	**Analyzed:** 08/11/23 15:28	

490121-003 Analyte	Result	RL	Units
Hexavalent Chromium	ND	1.0	ug/L

Field ID: MW-13	**Batch#:** 320145	**Prep:** METHOD
Type: SAMPLE	**Sampled:** 08/09/23 11:33	**Analysis:** EPA 218.6
Lab ID: 490121-004	**Received:** 08/09/23	**Analyst:** PAS
Matrix: Water	**Prepared:** 08/11/23 12:07	
Diln Fac: 1.000	**Analyzed:** 08/11/23 15:39	

490121-004 Analyte	Result	RL	Units
Hexavalent Chromium	ND	1.0	ug/L

Field ID: MW-14	**Batch#:** 320145	**Prep:** METHOD
Type: SAMPLE	**Sampled:** 08/09/23 12:36	**Analysis:** EPA 218.6
Lab ID: 490121-005	**Received:** 08/09/23	**Analyst:** PAS
Matrix: Water	**Prepared:** 08/11/23 12:07	
Diln Fac: 1.000	**Analyzed:** 08/11/23 15:50	

490121-005 Analyte	Result	RL	Units
Hexavalent Chromium	ND	1.0	ug/L

Enthalpy Analytical - Orange Analytical Report

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Field ID:	MW-15	**Batch#:**	320145	**Prep:**	METHOD
Type:	SAMPLE	**Sampled:**	08/09/23 13:43	**Analysis:**	EPA 218.6
Lab ID:	490121-006	**Received:**	08/09/23	**Analyst:**	PAS
Matrix:	Water	**Prepared:**	08/11/23 12:07		
Diln Fac:	1.000	**Analyzed:**	08/11/23 16:01		

490121-006 Analyte	Result	RL	Units
Hexavalent Chromium	ND	1.0	ug/L

Field ID:	MW-16	**Batch#:**	320145	**Prep:**	METHOD
Type:	SAMPLE	**Sampled:**	08/09/23 14:30	**Analysis:**	EPA 218.6
Lab ID:	490121-007	**Received:**	08/09/23	**Analyst:**	PAS
Matrix:	Water	**Prepared:**	08/11/23 12:07		
Diln Fac:	1.000	**Analyzed:**	08/11/23 16:12		

490121-007 Analyte	Result	RL	Units
Hexavalent Chromium	ND	1.0	ug/L

Field ID:	MW-17	**Batch#:**	320145	**Prep:**	METHOD
Type:	SAMPLE	**Sampled:**	08/09/23 14:04	**Analysis:**	EPA 218.6
Lab ID:	490121-008	**Received:**	08/09/23	**Analyst:**	PAS
Matrix:	Water	**Prepared:**	08/11/23 12:07		
Diln Fac:	1.000	**Analyzed:**	08/11/23 16:23		

490121-008 Analyte	Result	RL	Units
Hexavalent Chromium	ND	1.0	ug/L

Type:	BLANK	**Batch#:**	320145	**Analysis:**	EPA 218.6
Lab ID:	QC1086220	**Prepared:**	08/11/23 12:07	**Analyst:**	PAS
Matrix:	Drinking Water	**Analyzed:**	08/11/23 12:51		
Diln Fac:	1.000	**Prep:**	METHOD		

QC1086220 Analyte	Result	RL	Units
Hexavalent Chromium	ND	1.0	ug/L

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 490121 **Project#:** 1793.0030S106

Client: Roux Associates **Location:** AB&I Foundry

Type: LCS **Batch#:** 320145 **Analysis:** EPA 218.6

Lab ID: QC1086221 **Prepared:** 08/11/23 12:07 **Analyst:** PAS

Matrix: Drinking Water **Analyzed:** 08/11/23 13:02

Diln Fac: 1.000 **Prep:** METHOD

QC1086221 Analyte	Spiked	Result	%REC	Limits	Units
Hexavalent Chromium	50.00	49.26	99	90-110	ug/L

Field ID: ZZZZZZZZZZ **Diln Fac:** 1.000 **Analyzed:** 08/11/23 13:24

Type: MS **Batch#:** 320145 **Prep:** METHOD

MSS Lab ID: 490067-001 **Sampled:** 08/07/23 09:41 **Analysis:** EPA 218.6

Lab ID: QC1086222 **Received:** 08/09/23 **Analyst:** PAS

Matrix: Drinking Water **Prepared:** 08/11/23 12:07

QC1086222 Analyte	MSS Result	Spiked	Result	%REC	Limits	Units
Hexavalent Chromium	0.6057	50.00	49.93	99	85-115	ug/L

Field ID: ZZZZZZZZZZ **Diln Fac:** 1.000 **Analyzed:** 08/11/23 13:35

Type: MSD **Batch#:** 320145 **Prep:** METHOD

MSS Lab ID: 490067-001 **Sampled:** 08/07/23 09:41 **Analysis:** EPA 218.6

Lab ID: QC1086223 **Received:** 08/09/23 **Analyst:** PAS

Matrix: Drinking Water **Prepared:** 08/11/23 12:07

QC1086223 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Hexavalent Chromium	50.00	49.61	98	85-115	ug/L	1	20

Legend

RPD: Relative Percent Difference

APPENDIX E

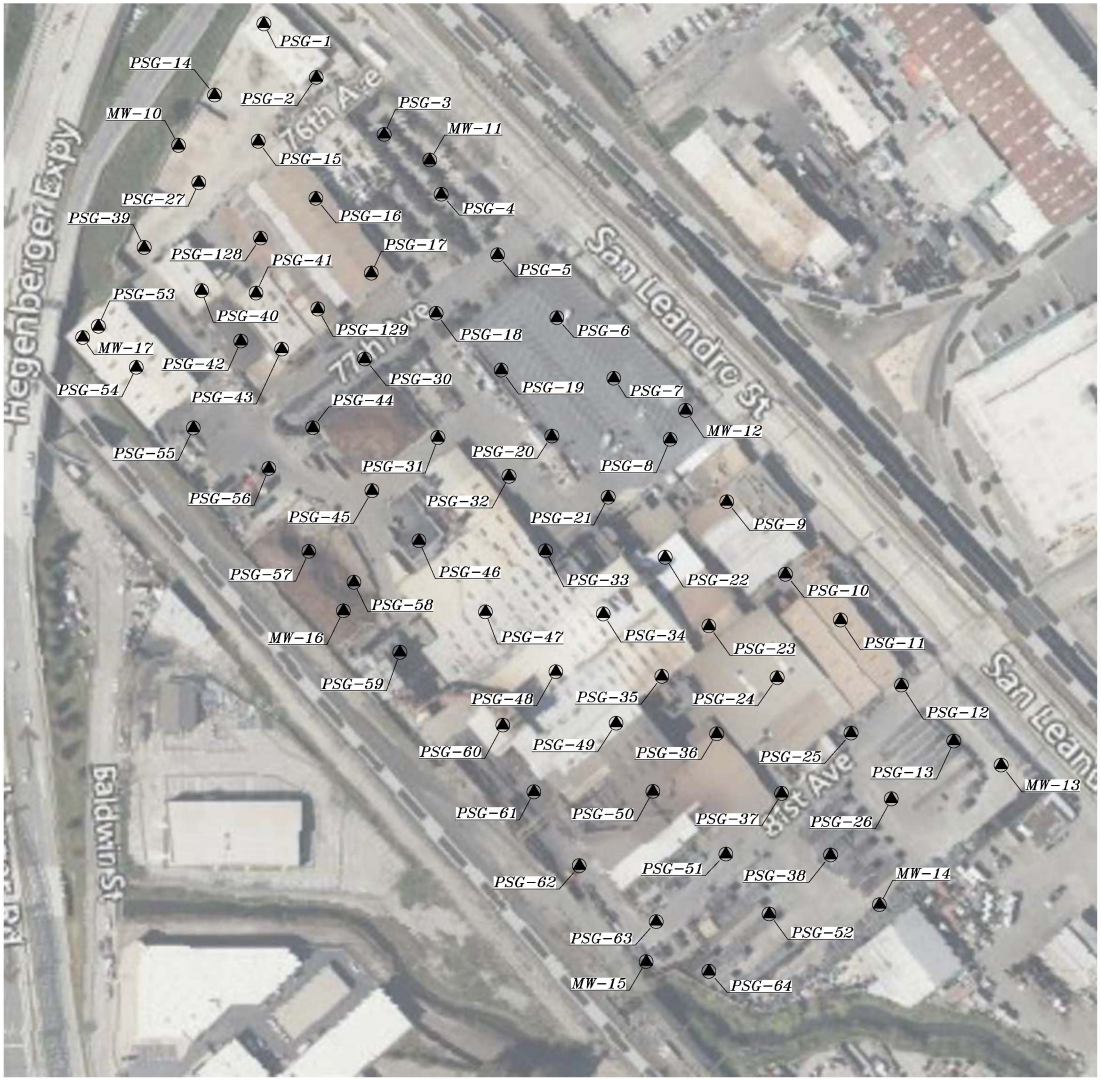
Sampling Point Survey

SITE PLAN

STAKING LOCATIONS

PROJECT: AB&I FOUNDRY

7825 SAN LEANDRO ST., OAKLAND, CA 94621



SURVEYED JUNE 12, 2023.

STAKING LOCATIONS

LOCATION	NORTHING (FEET)	EASTING (FEET)	LATITUDE (DD)	LONGITUDE (DD)	FS (ELEVATION)
MW-10	2100499.52	6071435.13	37.7513843	-122.1957309	12.36
MW-11	2100481.69	6071738.39	37.7513504	-122.1946810	13.00
MW-12	2100179.58	6072047.34	37.7505362	-122.1935937	14.07
MW-13	2099751.47	6072428.26	37.7493796	-122.1922496	12.98
MW-14	2099582.87	6072281.24	37.7489094	-122.1927475	11.73
MW-15	2099514.07	6071999.55	37.7487064	-122.1937173	11.18
MW-16	2099537.48	6071634.04	37.7498509	-122.1950078	13.32
MW-17	2100267.60	6071319.39	37.7507417	-122.1961166	12.30
PSG-1	2100646.23	6071537.95	37.7517923	-122.1953845	13.04
PSG-2	2100581.47	6071601.34	37.7516176	-122.1951612	13.16
PSG-3	2100512.86	6071683.30	37.7514333	-122.1948735	13.28
PSG-4	2100440.46	6071752.09	37.7512379	-122.1946311	12.70
PSG-5	2100367.35	6071820.20	37.7510405	-122.1943909	12.53
PSG-6	2100291.45	6071891.67	37.7508357	-122.1941390	13.61
PSG-7	2100218.36	6071960.44	37.7506384	-122.1938966	12.30
PSG-8	2100144.58	6072028.50	37.7504392	-122.1936566	14.08
PSG-9	2100069.39	6072096.92	37.7502361	-122.1934153	11.33
PSG-10	2099981.94	6072167.85	37.7499995	-122.1931646	10.91
PSG-11	2099926.64	6072234.21	37.7498510	-122.1929316	11.55
PSG-12	2099847.94	6072307.64	37.7496385	-122.1926727	12.23
PSG-13	2099780.48	6072371.06	37.7494564	-122.1924492	12.46
PSG-14	2100560.35	6071478.68	37.7515535	-122.1955841	12.48
PSG-15	2100504.66	6071531.23	37.7514032	-122.1953989	12.24
PSG-16	2100435.66	6071600.79	37.7512172	-122.1951540	12.39
PSG-17	2100345.31	6071667.77	37.7509724	-122.1949167	11.90
PSG-18	2100296.83	6071746.07	37.7508432	-122.1946429	12.04
PSG-19	2100228.35	6071824.53	37.7506591	-122.1943673	13.90
PSG-20	2100148.54	6071885.65	37.7504430	-122.1941509	14.40
PSG-21	2100074.74	6071953.73	37.7502437	-122.1939108	14.08
PSG-22	2100002.33	6072022.51	37.7500483	-122.1936685	10.87
PSG-23	2099919.26	6072075.30	37.7498228	-122.1934807	12.05
PSG-24	2099856.80	6072157.85	37.7496554	-122.1931913	12.77
PSG-25	2099790.22	6072246.85	37.7494770	-122.1928794	11.59
PSG-26	2099710.60	6072295.59	37.7492608	-122.1927058	11.56
PSG-27	2100454.67	6071459.56	37.7512624	-122.1956436	12.25
PSG-30	2100241.60	6071659.83	37.7506873	-122.1949377	11.93
PSG-31	2100146.90	6071748.18	37.7504316	-122.1946262	13.35
PSG-32	2100100.19	6071833.92	37.7503076	-122.1943268	13.97
PSG-33	2100010.01	6071877.96	37.7500822	-122.1941688	13.93
PSG-34	2099933.87	6071947.79	37.7498566	-122.1939226	11.08
PSG-35	2099858.71	6072018.40	37.7496537	-122.1936737	12.20
PSG-36	2099789.02	6072084.64	37.7494657	-122.1934402	12.75
PSG-37	2099717.13	6072163.05	37.7492721	-122.1931646	11.31
PSG-38	2099842.80	6072222.21	37.7490710	-122.1929554	11.38
PSG-39	2100376.43	6071393.56	37.7510443	-122.1958670	11.59
PSG-40	2100324.13	6071462.80	37.7509041	-122.1956242	15.07
PSG-41	2100321.30	6071528.63	37.7508996	-122.1953964	11.49
PSG-42	2100263.21	6071510.33	37.7507392	-122.1954560	12.92
PSG-43	2100253.68	6071559.68	37.7507155	-122.1952848	11.83
PSG-44	2100158.56	6071597.18	37.7504561	-122.1951491	11.27
PSG-45	2100082.67	6071668.63	37.7502513	-122.1948973	13.31
PSG-46	2100022.10	6071725.28	37.7500878	-122.1946976	13.65
PSG-47	2099936.46	6071805.51	37.7498566	-122.1944148	13.66
PSG-48	2099864.11	6071890.54	37.7496622	-122.1941162	12.63
PSG-49	2099801.85	6071963.25	37.7494949	-122.1938608	12.24
PSG-50	2099719.56	6072007.74	37.7492711	-122.1937018	11.52
PSG-51	2099643.76	6072095.74	37.7490673	-122.1933928	11.44
PSG-52	2099571.61	6072148.06	37.7488718	-122.1932073	11.50
PSG-53	2100280.96	6071338.22	37.7507793	-122.1960523	12.32
PSG-54	2100231.51	6071384.06	37.7506458	-122.1958907	12.33
PSG-55	2100156.41	6071452.87	37.7504485	-122.1956482	11.13
PSG-56	2100109.55	6071544.05	37.7503189	-122.1953298	11.34
PSG-57	2100009.46	6071592.41	37.7500465	-122.1951563	13.80
PSG-58	2099972.15	6071646.70	37.7499467	-122.1949662	13.93
PSG-59	2099887.68	6071702.22	37.7497176	-122.1947689	10.91
PSG-60	2099799.52	6071826.49	37.7494817	-122.1943336	10.77
PSG-61	2099719.10	6071864.11	37.7492627	-122.1941985	10.31
PSG-62	2099629.84	6071918.88	37.7490203	-122.1940035	10.62
PSG-63	2099562.41	6072011.76	37.7488398	-122.1936781	10.80
PSG-64	2099502.45	6072075.30	37.7486783	-122.1934546	11.31
PSG-128	2100387.60	6071533.98	37.7510819	-122.1953820	12.03
PSG-129	2100302.13	6071603.17	37.7508507	-122.1951374	11.90

DD: DECIMAL DEGREES

GRAPHIC SCALE

150 0 75 150

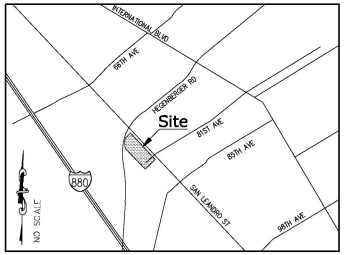
FEET

LEGEND

STAKING

FS FINISHED SURFACE

VICINITY MAP



NOTE: THE SATELLITE IMAGES SHOWN HEREON ARE FOR REFERENCE PURPOSES ONLY

REVISIONS

NO.	DATE	REVISIONS	BY
0	06/19/23	SUBMITTAL	JS

PREPARED FOR

ROUX

555 12TH STREET, SUITE 250
OAKLAND, CA 94607
PHONE: (415) 967-6000

BASIS OF COORDINATES

THE COORDINATES SHOWN HEREON ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM (CCS 83), ZONE 3, 1983 DATUM, DEFINED BY SECTIONS 8801 TO 8819 OF THE CALIFORNIA PUBLIC RESOURCES CODE, BASED UPON STATIC GPS OBSERVATION, HOLDING THE LEICA S.N.N.A. C.O.R.S. "CAPO".

BENCHMARK

THE ELEVATIONS SHOWN HEREON ARE BASED UPON STATIC GPS OBSERVATION, HOLDING THE LEICA S.N.N.A. C.O.R.S. "CAPO".

ELEVATION: 39.92 FEET (NAVD 88).

SURVEYOR OF RECORD

DATE OF SURVEY: JUNE 12, 2023

REGISTERED LAND SURVEYOR — Armando D. DuPont — L.S. 7780 — Date Signed: 06/19/2023 — STATE OF CALIFORNIA

Armando D. DuPont
Registration No. 7780

CALVADA SURVEYING, INC.

411 Jenks Cir., Suite 205, Corona, CA 92878
Phone: 951-280-9960 Fax: 951-280-9746
Toll Free: 800-CALVADA www.calvada.com

EST. 1989 JOB NO. 23372

APPENDIX F

Beacon Passive Soil Gas Surveys

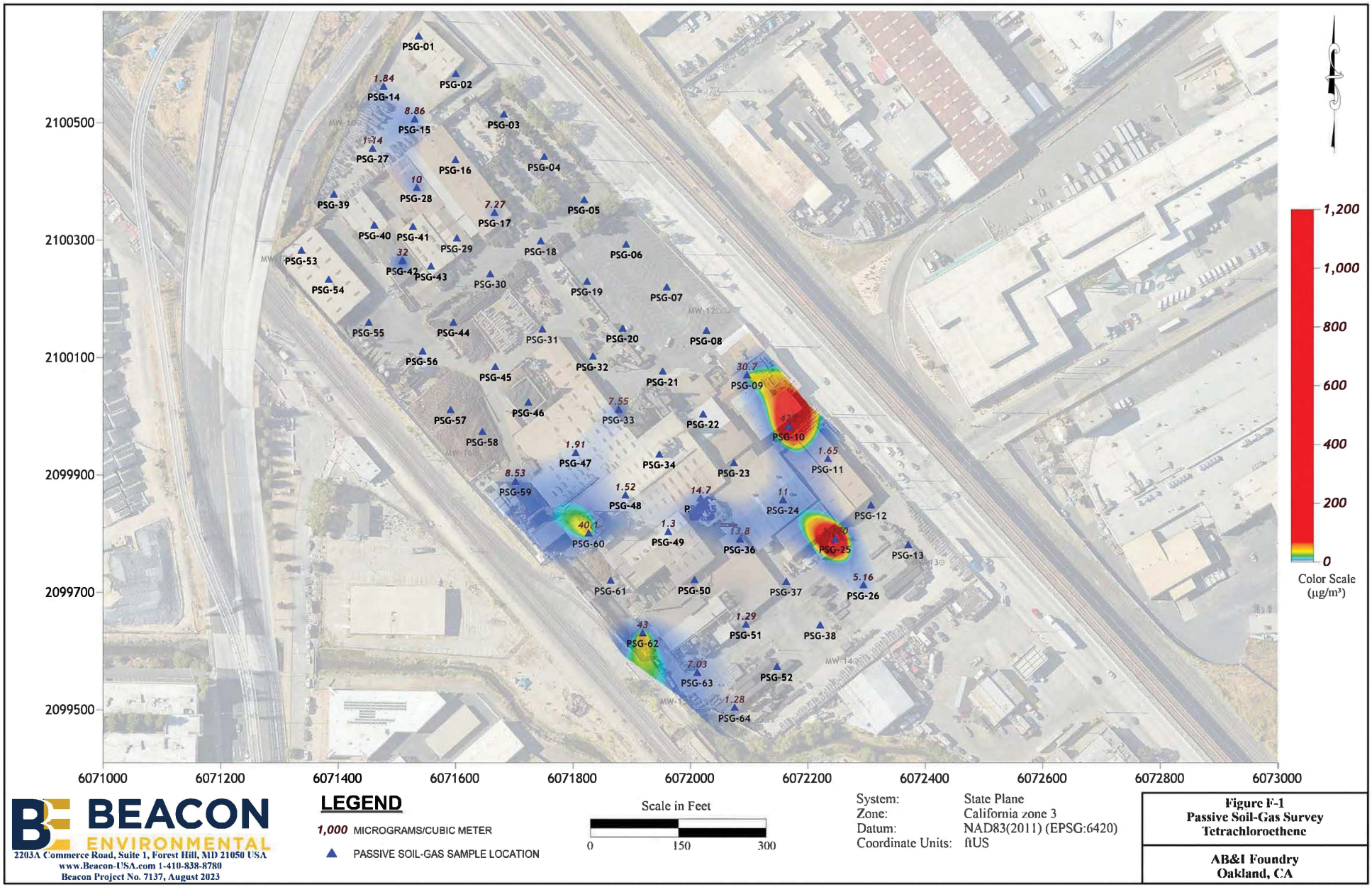
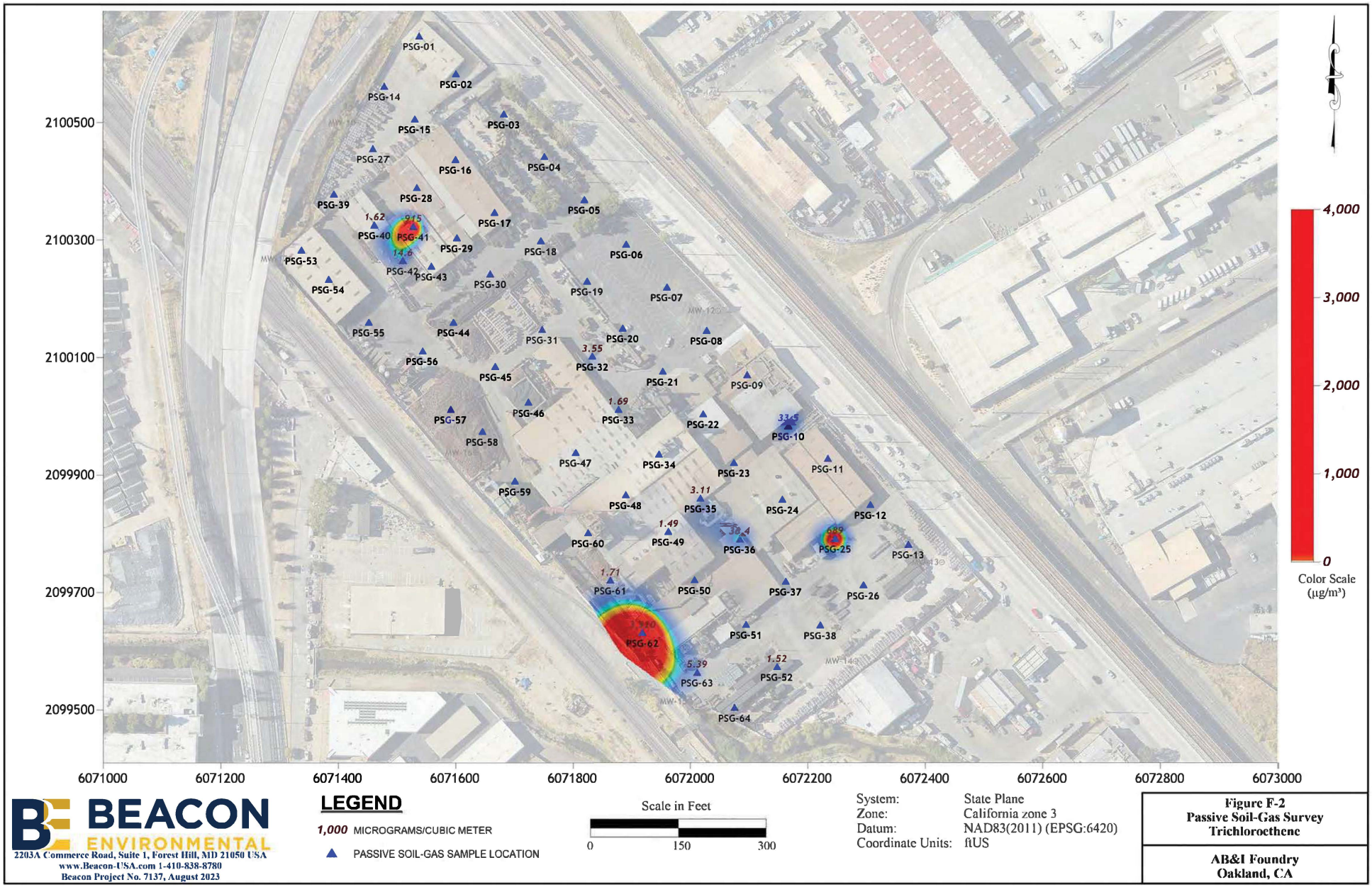


Figure F-1
Passive Soil-Gas Survey
Tetrachloroethene

AB&I Foundry
Oakland, CA

BEACON ENVIRONMENTAL
2203A Commerce Road, Suite 1, Forest Hill, MD 21050 USA
www.Beacon-USA.com 1-410-838-8780
Beacon Project No. 7137, August 2023



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Beacon Project No. 7137, August 2023

LEGEND

1,000 MICROGRAMS/CUBIC METER

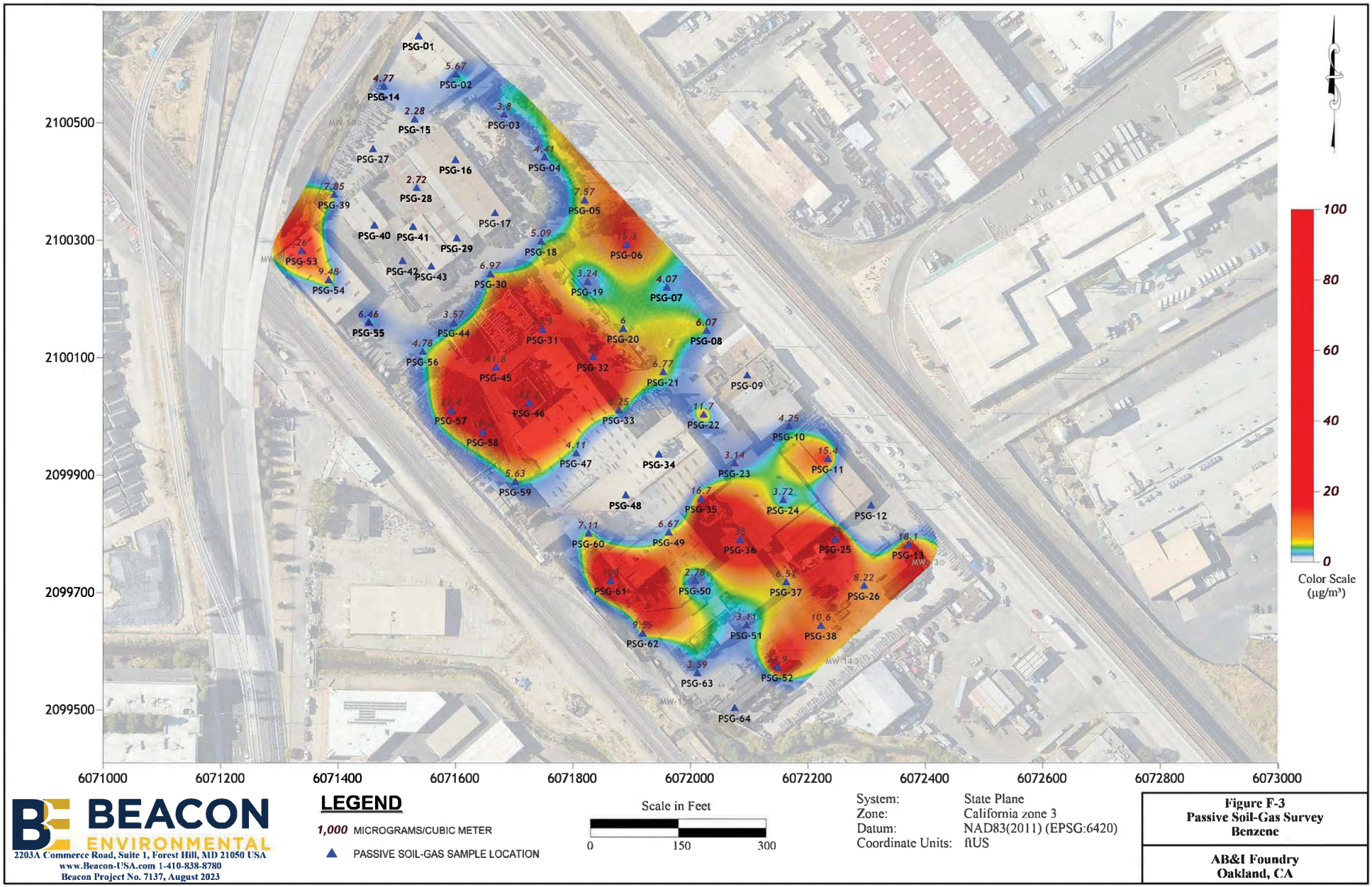
▲ PASSIVE SOIL-GAS SAMPLE LOCATION

Scale in Feet
0 150 300

System:	State Plane
Zone:	California zone 3
Datum:	NAD83(2011) (EPSG:6420)
Coordinate Units:	ftUS

Figure F-2
Passive Soil-Gas Survey
Trichloroethene

AB&I Foundry
Oakland, CA



LEGEND

1,000 MICROGRAMS/CUBIC METER

▲ PASSIVE SOIL-GAS SAMPLE LOCATION

Scale in Feet

0 150 300

System: State Plane
Zone: California zone 3
Datum: NAD83(2011) (EPSG:6420)
Coordinate Units: ftUS

Figure F-3
Passive Soil-Gas Survey
Benzene

AB&I Foundry
Oakland, CA

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