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TECHNICAL MEMORANDUM

DATE:	January 24, 2022
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RE:	**August 2021 Groundwater Monitoring Event** AMCO Superfund Site, Oakland, California

1.0 INTRODUCTION

This report was prepared by Oneida Total Integrated Enterprises, LLC (OTIE) under United States Environmental Protection Agency (EPA) Contract number EP-S9-13-01, Task Order 012. The report summarizes the results of groundwater monitoring activities conducted in August 2021 at the former AMCO Chemical Corporation (AMCO) Superfund Site (Site) in Oakland, California (Figure 1).

OTIE under contract with the EPA conducted an electrical resistance heating (ERH) non-time critical removal action (NTCRA) at the Site between March 2017 and January 2018. Following NTCRA implementation, an in-situ chemical oxidation (ISCO) treatability study was performed between February and March 2019. Post-ISCO groundwater data was last collected at the Site in August 2019. Due to NTCRA and ISCO activities, groundwater conditions in August 2019 were likely still normalizing. The August 2021 groundwater monitoring event was conducted to characterize the nature and extent of groundwater contaminants in support of remedial alternative evaluations performed for the Site Feasibility Study (FS).

1.1 SITE DESCRIPTION AND BACKGROUND

The Site covers approximately 0.9-acres in the South Prescott neighborhood in West Oakland and includes an occupied warehouse building. The Site is bordered on the north by a lot owned by Bay Area Rapid Transit, on the west by residences, on the south by 3rd Street, and on the east by Mandela Parkway. The AMCO Chemical Corporation owned and operated the Site as a chemical distribution facility from the 1960s until 1989. EPA has conducted routine groundwater sampling, soil gas sampling, and extensive soil sampling at the Site and at nearby properties since 1996, including a Preliminary Assessment and Site Investigation (E&E, 2001). Sample results show consistently high levels of VOCs in groundwater and soil in the central area of the Site near 3rd Street. LNAPL ranging in thickness from less than one foot to over 8 feet has consistently been observed in monitoring wells located in the central area of the Site.

ERH was implemented at the Site in 2017 and removed approximately 37,000 pounds of contaminants from the vadose and saturated zones. However, post-NTCRA sampling performed in February 2018 showed presence of LNAPL and VOCs and SVOCs above regulatory criteria in some areas of the site, including one area underneath the warehouse in the vicinity of well X-25. Indoor air monitoring conducted in the Warehouse in 2019 and 2021 indicate no unacceptable risks from vapor intrusion (VI) to the warehouse occupants.

EPA initiated an ISCO treatability study in 2018 to evaluate the effectiveness of ISCO in treating the shallow groundwater VOC contamination near the warehouse area of the Site. ISCO injections were performed in February/March 2019 and post-injection monitoring showed some wells with reduced chlorinated VOC (CVOC) concentrations, while other wells within the treatment area showed increased concentrations (OTIE, 2019a).

Historical monitored natural attenuation (MNA) evaluations concluded that natural attenuation was occurring in groundwater in the form of reductive dechlorination for the CVOCs, and anaerobic degradation for non-CVOCs. A post-ISCO MNA parameters study was performed in July 2019 that indicated ERH may have impacted native microorganisms in areas heated to continuous boiling, and ISCO may have elevated the pH in injection areas potentially hindering microbial activity (OTIE, 2019c). However, evidence for continued reductive chlorination was identified in both post-treatment areas.

Site chemicals of potential concern (COPCs) were identified in the updated human health risk assessment (HHRA) based on conditions existing after the ERH NTCRA was completed (Jacobs, 2020). Site COPCs selected in the updated HHRA will be incorporated in the evaluation of remedial alternatives presented in the Site FS, currently under production.

1.2 SITE GEOLOGY AND HYDROGEOLOGY

The Site is underlain by two unconsolidated aquifers separated by a regional aquitard. The upper aquifer is approximately 55 to 70 feet thick and consists of imported fill and native sand and silty sand deposits with thin layers of silt and clay (Merritt Sand). Contamination at the Site has been found primarily within the upper aquifer to approximately 45 feet below ground surface (bgs).

The Site is capped with concrete of varying thickness and in several locations there are two layers of concrete with porous fill between them. Under the warehouse, the concrete is one layer six-inches thick; to the immediate west of the warehouse the total concrete thickness ranges from two to five feet with several discontinuous areas with two layers of concrete. Unconsolidated fill directly beneath the warehouse floor slab ranges from approximately 3 to 6 feet thick.

Beneath the fill lies a lens of discontinuous Younger Bay Mud (typically 6 to 12-inches in thickness), located between 5 and 10 feet below ground surface. Beneath the Younger Bay Mud lies the Merritt Sand, which is composed of varying densities of interbedded sands, silts, and clays. The Merritt Sand is underlain by a confining layer (Older Bay Mud) composed of very dense silt with zones of dense clay. The Older Bay Mud is generally 50 to 90 feet thick in the vicinity of the Site. The lower aquifer (Alameda Formation) is approximately 250 feet thick in the vicinity of the Site and consists of inter-bedded clay, silt, sand and gravel, underlain with bedrock. The Alameda Formation is a potential drinking water source. Sampling results confirm that contaminants from the Site have not penetrated the confining layer into this drinking water aquifer.

Groundwater at the Site is approximately 4 feet bgs with a general flow direction from south to southwest, toward the San Francisco Bay. Groundwater levels in the upper aquifer fluctuate seasonally

by as much as 2.5 to 6.5 feet bgs as a function of formation hydraulic conductivity and precipitation infiltration (CH2M 2011). The influence of tidal fluctuations on groundwater levels in shallow wells (i.e., less than 25 feet deep) was not measurable; however, a tidal fluctuation of up to 0.01 foot was measured in some wells screened deeper than 25 feet bgs (CH2M 2011).

Slight groundwater flow-direction variations occur as a function of seasonal precipitation and with aquifer depth. Groundwater flow is generally to the southwest in the dry season, and generally to the south in the wet season. Site groundwater gradients north of 3rd Street range from 0.006 to 0.008 feet/foot, and from 0.001 to 0.003 feet/foot south of 3rd Street. Ranges of groundwater flow velocities with aquifer depth were calculated as 0.33 to 7.5 ft per year (ft/yr) and 8.6 to 48 ft/yr in the shallow (above 25 feet bgs) and deeper (below 25 feet bgs) portions of the aquifer, respectively (CH2M 2011).

An assessment of vertical hydraulic gradients was documented in the RI which indicated that the average vertical gradient was -0.006 ft/ft (downward) and that small downward vertical gradients are common in areas affected by surface infiltration of rainfall and residential irrigation (CH2M 2011).

Based on the Site hydrogeology and the plume characteristics, the RI Report evaluated the vertical profile of the plume according to three zones within the upper aquifer: shallow (<25 feet bgs), mid-depth (25 to 35 feet bgs), and deep (>35 feet bgs). The three zones are hydraulically connected. The primary hydrogeological distinction being differing groundwater flow velocities and minor tidal influence below 25 feet bgs. The subject groundwater evaluation has considered numerous additional wells installed since the RI and accommodated for changes in plume characteristics. The result has been an update to the three zones within the upper aquifer as follows: shallow zone (3 –25 feet bgs), intermediate zone (25 – 40 feet bgs) and deep zone (40 – 80 feet bgs).

2.0 FIELD AND ANALYTICAL METHODS

Field work and laboratory analysis were conducted in accordance with the Sampling and Analysis Plan (SAP) (OTIE, 2017) and SAP Addendum (OTIE, 2021). The following sections discuss groundwater level measurement, sampling methodologies, sample analysis, laboratory details, and quality control (QC) samples.

A total of 51 wells were sampled during the August 2021 Sitewide sampling event. Eight locations identified for sampling in the SAP Addendum (OTIE, 2021) were not sampled due to access restrictions, including wells X-24, BMW-06, MW-01, RMW-07-15, RMW-07-35, RMW-09-15, RMW-09-35, and RMW-09-70. Well RMW-15-60 was not sampled due to time constraints. Wells MW-02 and RMW-19-35 were inadvertently not sampled for dissolved metals.

Sample details for the August 2021 groundwater monitoring event are summarized in Table 1.

2.1 AUGUST 2021 GROUNDWATER SAMPLING

Groundwater gauging and sampling was performed between August 11 and 13, 2021 by subcontractor Blaine Tech under OTIE supervision.

Depths to groundwater and LNAPL free product thickness within wells were measured prior to purging and sampling the wells. Depths to groundwater and free product were measured to an accuracy of ±0.01-foot using a calibrated electronic interphase probe. The electronic interphase probe was cleaned between each well gauging with a mixture of laboratory-grade detergent and potable water followed by rinsing with distilled water.

Depths to groundwater and total depths of wells were measured relative to a permanent reference mark located on the top of the casing for each well. Depth to groundwater measurements relative to the top of casing are provided in Table 2. Field gauging sheets are provided in Appendix A.

A total of 51 wells were sampled between August 11 and 13, 2021 using low-flow groundwater sampling procedures in accordance with the Standard Operating Practice (SOP) OTIE008F provided in the SAP (OTIE, 2017). The objective of low-flow sampling is to minimize drawdown to avoid stressing the formation and mobilizing fine-grained solids, and to obtain stabilized water quality parameters prior to sampling. During purging, water-quality parameters were monitored continuously in a flow-through cell with a multi-parameter water quality meter. Stabilization was achieved after three consecutive readings were recorded within the following specified tolerances:

- temperature (°C) within ±2°C;
- specific conductivity (millisiemens) within ± 10%;
- turbidity (Nephelometric turbidity units [NTUs]) within ±10 NTUs;
- dissolved oxygen (milligrams per liter) within ± 10%;
- oxidation reduction potential (millivolts [mV]) within ± 20 mV; and,
- pH within ± 10%.

Depths to groundwater measured at the time of purging and sampling were noted on the purging sheets and used for sampling purposes only. LNAPL free product thickness, also noted on the purging sheet, was measured using an electronic interphase probe. Groundwater purging forms are included in Appendix A.

Groundwater samples were collected from monitoring wells using a peristaltic or submersible bladder pump. Groundwater samples were collected into laboratory-provided containers from the pump effluent discharge line following stabilization of water quality parameters. Samples were collected into sample containers first for VOCs and then for non-volatile constituents (SVOCs, metals). Groundwater samples for dissolved metals were field filtered using a 0.45 micrometer disposable capsule filter attached to the pump discharge line.

Wells with long screen intervals (>40 ft) were sampled within the shallow, intermediate, and deep intervals to evaluate vertical contaminant stratification. Wells X-33, X-46, X-49, X-50, and X-52 were sampled within each depth interval using low-flow sampling techniques by placing the inlet of the downhole pump at approximately 15 ft bgs, 30 ft bgs, and 45 ft bgs. Well X-52 was additionally sampled for VOCs via passive diffusion bag (PDB) samplers. A series of three PDBs were deployed on July 30, 2021 at the same depth intervals targeted for low-flow groundwater sample collection (i.e. 15, 30, and 45 ft bgs). The PDBs were allowed to equilibrate for 14 days prior to collection on August 13, 2021.

Sample containers were placed in coolers with ice and transported under chain of custody protocol to the EPA Region 9 Laboratory in Richmond, California.

2.2 Investigation-Derived Waste

Investigation-derived waste (IDW) generated during groundwater sampling activities included purge and decontamination water, which is contained onsite in three 55-gallon drums. The liquid IDW is expected

to be profiled as non-hazardous based on previous waste characterization samples and the August 2021 analytical results. Oily rags used during equipment decontamination to remove LNAPL residue is stored in an additional 55-gallon drum that is only partially (<20%) full. Additional IDW is anticipated to be generated at the Site in November 2021 during wellhead repair and installation of warehouse subslab vapor pins. The August 2021 and November 2021 IDW will be profiled and scheduled for offsite treatment and/or disposal at a facility approved by EPA.

2.3 SAMPLE ANALYSIS

Samples from all wells were analyzed for VOCs and SVOCs, which are the primary COPCs at the Site. A select number of wells were analyzed for dissolved metals. Sitewide dissolved metals analysis has not been performed since 2012 sampling efforts related to the Remedial Investigation Addendum. Dissolved metals that exceeded screening levels during the 2012 groundwater monitoring activities were included in the August 2021 analyte list, including arsenic, cobalt, iron, manganese, nickel, and selenium.

The EPA Region 9 Laboratory analyzed samples for VOCs using EPA Method 524.2; for SVOCs using EPA Method 8270D; and dissolved metals using EPA Methods 200.7 and 200.8. Complete laboratory reports are included in Appendix B.

2.4 QUALITY ASSURANCE/QUALITY CONTROL

Field duplicate samples are collected to assess the precision of the sampling program. Field duplicates were collected at a 10 percent (%) frequency, with a total of seven field duplicate samples collected in August 2021.

Trip blanks are used to determine whether the samples were contaminated by VOCs during shipment, handling, or storage. Three trip blank samples were included with samples collected during the August 2021 monitoring event.

Analytical data were validated by the OTIE Project Chemist at 90% Tier 1a and 10% Tier 3. Data review and validation procedures for analytical results were followed as described in the SAP (OTIE, 2017). Data validation reports are provided in Appendix C. Field and laboratory quality assurance / quality control (QA/QC) procedures were conducted in accordance with EPA method specifications and data were accepted based on the QA/QC criteria, with the following exceptions:

- Sample AMCO-X-49-081121-I was re-extracted for SVOC analysis outside of 15 days past hold time due to background contamination. In accordance with the EPA guidelines, detected results were qualified as estimated with a low bias and non-detected results were rejected.
- Sample AMCO-BMW-08-081221 initial analysis for SVOCs showed high background contamination and QC failures. The sample was re-extracted 14 days outside of the 7-day extraction hold time. Re-extraction/reanalysis results were reported. In accordance with EPA guidelines, detected results in the sample were qualified as estimated with a low bias and non-detected results were rejected.
- AMCO-X-14-081321 was extracted for SVOCs 13 days outside of the 7-day extraction hold time. In accordance with EPA guidelines, detected results in the sample were qualified as estimated with a low bias and non-detected results were rejected.

- For sample AMCO-RMW-05-035-081321, results for 3,3'-Dichlorobenzidine, 4-Chloroaniline, and Diphenyl amine were rejected due to matrix spike/matrix spike duplicate results that were outside of QC criteria.

3.0 GROUNDWATER GAUGING RESULTS

A total of 51 wells were gauged for depth to water and total depth between August 11 and 13, 2021. Groundwater gauging results are included in Table 2. Depth to water ranged from 3.62 feet below top of casing (btoc) in well X-49 to 12.00 feet btoc in well RMW-10-35, and groundwater elevations ranged from 0.75 feet above mean sea level (amsl) in well RMW-10-35 to 6.31 feet amsl in well RMW-18-35. Groundwater elevation contours are presented on Figure 2. Wells with anomalous groundwater elevation measurements were not utilized for elevation contours presented in Figure 2. The apparent groundwater flow direction at the Site was to the south-southwest, consistent with historical observations.

4.0 GROUNDWATER ANALYTICAL RESULTS

A total of 51 wells were sampled during the August 2021 Sitewide sampling event. All samples were analyzed for VOCs and SVOCs, and selected samples were analyzed for dissolved metals (OTIE, 2021). Detected analytes are presented on Tables 3 through 5 and groundwater contaminant plume maps are presented on Figures 3 through 19.

The laboratory detection limit exceeded the applicable California or Federal Maximum Contaminant Levels (MCLs) or California Notification Levels (NLs) for VOC and SVOC analytes in some samples, and therefore an exceedance of the MCL or NL could not be determined in some instances. Elevated detection limits are attributed to matrix interference or sample dilutions required for analysis. These results are identified in the analytical data Tables 3 through 5.

4.1 FREE PRODUCT

LNAPL free product was observed in wells X-05 (1.10 feet), X-13 (0.01 feet), X-15 (0.02 feet), X-19 (0.01 feet), X-21 (0.09 feet), X-25 (0.15 feet), X-29 (0.01 feet), X-33 (0.01 feet), and X-50 (0.10 feet) (Figure 3). The observed LNAPL locations and measured thickness were consistent with 2019 observations.

4.2 VOCs

A total of 39 VOCs were detected in Site wells, with 19 analytes that exceeded MCLs or NLs (Table 3). Analytes that exceeded MCLs or NLs in three or more wells include:

- 1,1-dichloroethane (1,1-DCA) exceeded the California MCL of 5 µg/L in five wells, ranging from 24 µg/L in wells BMW-03 and X-05 to 120 J µg/L in wells RMW-10-35 and X-52 (shallow zone sample). There is no Federal MCL for 1,1-DCA.
- 1,4-Dichlorobenzene exceeded the California MCL of 5 µg/L in four wells, ranging from 5.0 J µg/L in well X-25 to 34 µg/L in well X-05. The Federal MCL of 75 µg/L was not exceeded in any well.
- Benzene exceeded the California MCL of 1 µg/L in 11 wells, ranging from 1.0 µg/L in well RMW-08-35 to 40 µg/L in well MW-02. The Federal MCL of 5 µg/L was exceeded in seven wells.
- Chlorobenzene exceeded the California MCL of 70 µg/L in three wells, at 93 µg/L (RMW-01-17), 180 µg/L (RMW-08-35), and 1,100 µg/L (RMW-08-15). The Federal MCL of 100 µg/L was exceeded in two wells.

- Chloroform exceeded the California NL of 0.4 µg/L in five wells, ranging from 0.7 J µg/L in well RMW-18-79 to 11 µg/L in well RMW-17-70.
- Cis-1,2-DCE exceeded the California MCL of 6 µg/L in 17 wells, ranging from 8.6 µg/L in well X-46 (shallow zone sample) to 6,500 µg/L in well X-25. The Federal MCL of 70 µg/L was exceeded in eight wells.
- Naphthalene exceeded the California NL of 17 µg/L in ten wells, ranging from 17 µg/L in well X-04 to 370 µg/L in well X-19.
- Toluene exceeded the California MCL of 150 µg/L in three wells, ranging from 420 µg/L in well X-29 to 5,100 µg/L in well X-25. The Federal MCL of 1,000 µg/L was exceeded in two wells.
- Trans-1,2-DCE exceeded the California MCL of 10 µg/L in four wells, ranging from 13 µg/L in wells RMW-10-35 and X-21 to 80 J µg/L in well X-25. The Federal MCL of 100 µg/L was not exceeded in any well.
- TCE exceeded the California/Federal MCL of 5 µg/L in seven wells, ranging from 9.2 µg/L in well X-33 (shallow zone sample) to 120 µg/L in well X-05.
- VC exceeded the California MCL of 0.5 µg/L in 16 wells, ranging from 0.6 µg/L in well RMW-08-35 to 440 µg/L in well X-52 (shallow zone sample). The Federal MCL of 2 µg/L was exceeded in ten wells.

4.3 SVOCs

A total of 25 SVOCs were detected in Site wells, with three analytes that exceeded MCLs or NLs (Table 4):

- 1,4-Dioxane exceeded the California NL of 1 µg/L in 29 wells, ranging from 1.0 µg/L in well RMW-08-35 to 420 µg/L in well RMW-10-35.
- Bis(2-ethylhexyl)Phthalate exceeded the California MCL of 4 µg/L in four wells, ranging from 4.4 J µg/L in well X-33 (deep zone sample) to 23 µg/L in well X-50 (deep zone sample). The Federal MCL of 6 µg/L was exceeded in two wells.
- Hexachloroethane exceeded the California NL of 0.9 µg/L in well X-25 at 29 µg/L.

4.4 Dissolved Metals

Twenty-six wells were sampled for dissolved metals arsenic, cobalt, iron, manganese, nickel, and selenium. Dissolved metals analytical results are presented in Table 5 and summarized below.

- Arsenic exceeded the California/Federal MCL of 10 µg/L in 13 wells, ranging from 10 µg/L in well X-33 (dep sample zone) to 1,100 µg/L in well RMW-10-35.
- Manganese exceeded the California NL of 500 µg/L in 19 wells, ranging from 670 µg/L in well X-33 (intermediate zone sample) to 28,000 µg/L in well RMW-19-80.
- Nickel exceeded the California MCL of 100 in well RMW-10-35 (300 µg/L) and well RMW-19-80 (100 µg/L).

- Selenium exceeded the California/Federal MCL of 50 µg/L in five wells, ranging from 53 µg/L in well BMW-01 to 290 µg/L in well RMW-19-80.
- Cobalt does not have an applicable California or Federal MCL or a California NL. However, the EPA tapwater Regional Screening Level (RSL) of 6 µg/L (EPA, 2021) was exceeded in BMW-3 (11 µg/L), RMW-10-15 (11 µg/L), RMW-10-35 (96 µg/L) and RMW-10-79 (7.0 µg/L).
- Iron does not have an applicable California or Federal MCL or a California NL. However, the EPA tapwater RSL of 14,000 µg/L (EPA, 2021) was exceeded only in wells RMW-03-15 (16,000 µg/L) and RMW-08-15 (15,000 µg/L).

5.0 DISCUSSION

5.1 NATURE AND EXTENT OF PRIMARY COPCS

August 2021 groundwater contaminant plume figures are presented in Figures 4 through 18 for PCE, TCE, cis-1,2-DCE, VC, 1,4-dioxane, benzene, and dissolved arsenic. Contaminant plumes are discussed individually for the shallow, intermediate, and deep zones. However, all zones within the upper aquifer are hydraulically connected and several wells are screened over both the shallow and intermediate zones, or over the shallow, intermediate, and deep zones. An analysis of concentrations over time was performed for the main plume area, the south boundary, and the downgradient area and is discussed in Section 5.3.

The August 2021 groundwater data indicates that contaminant plumes are primarily located in the vicinity of the warehouse building and extend downgradient and off-Site towards the south-southwest in the direction of the groundwater gradient. Elevated contaminant concentration hot spots were identified in shallow and intermediate zone wells X-05, X-14, X-21, X-25, and X-29 beneath and adjacent to the west side of the warehouse building. An additional contamination concentration hot spot was identified in south boundary well X-52 extending to the southeast toward the RMW-10 series wells in the shallow and intermediate zone depths. The southern downgradient RMW-19 series sentry wells exceeded MCLs/NLs only for dissolved metals in deep screened interval.

PCE in the shallow zone was limited to an area adjacent to the northwest corner of the warehouse building at well X-05, detected at 110 µg/L (Figure 4). PCE slightly exceeded the MCL of 5 µg/L in intermediate screened well RMW-08-35 (5.4 µg/L), located near the northwest corner of the former property boundary (Table 3).

The center of the shallow TCE plume was co-located with the PCE plume, with the highest concentration detected in well X-05 at 120 µg/L (Figure 5). The plume extends in a narrow path to the south under the warehouse building to well X-33 (9.2 µg/L). TCE in the intermediate and deep screened zones exceeded the MCL of 5 µg/L in small, localized areas beneath the warehouse building and off-Site to the south in downgradient wells (Figures 6 and 7). TCE in the intermediate screened zone also exceeded the MCL in the northwest area of the former property boundary (16 µg/L in well RMW-08-35) and in a cross-gradient well to the south of the Site (22 µg/L in well RMW-17-35) (Figure 6).

Cis-1,2-DCE is one of the most widespread contaminants in Site groundwater, detected in 25 of the 51 wells sampled, with detections exceeding the MCL of 6 µg/L in 17 wells. The highest concentration of cis-1,2-DCE was detected beneath the warehouse building in well X-25, at 6,500 µg/L. Cis-1,2-DCE concentrations were two to three orders of magnitude greater than the MCL in several wells located adjacent to and beneath the warehouse, including wells X-14 (1,000 µg/L), X-21 (4,800 µg/L), X-25

(6,500 µg/L), X-29 (2,200) (Figure 8). The contaminant plume extends downgradient and off-Site in the shallow, intermediate, and deep screened zones (Figures 8, 9, and 10), with an off-Site contaminant hot spot observed at well X-52 (560 µg/L, 230 µg/L, and 240 µg/L in the shallow, intermediate, and deep screen intervals, respectively). An area of cis-1,2-DCE concentrations exceeding the MCL also exists in the intermediate screened interval in the northwest portion of the former property boundary at wells RMW-08-35 (26 µg/L) and RMW-15-35 (12 µg/L) (Figure 9).

The VC groundwater plume characteristics in the shallow, intermediate, and deep screen intervals are consistent with the cis-1,2-DCE plume. Maximum VC concentrations were detected in the shallow and intermediate screened wells beneath and adjacent to the warehouse building (200 µg/L in well X-25 and 100 µg/L in well X-21); and in downgradient off-Site well X-52 (440 µg/L in shallow interval and 290 µg/L in intermediate interval) (Figures 11 and 12). VC concentrations in the intermediate screened zone show the largest lateral extent of concentrations exceeding the California MCL of 0.5 µg/L (Figure 12), and a downgradient hot spot that extends further south, to well RWM-10-35 (280 µg/L). Maximum VC concentration in the deep screened zone was detected in well X-52 (190 µg/L), although a lack of deep-screened wells in the warehouse vicinity does not allow for identification of a plume hot spot in this area of the Site (Figure 13).

1,4-Dioxane exceeded the California NL of 1 µg/L in the majority of shallow screened wells sampled (Figure 14), with the highest concentrations detected beneath and adjacent to the warehouse building (200 J µg/L in well X-14 and 100 µg/L in well X-25), and in an area downgradient and off-Site in wells BMW-03 (140 µg/L) and BPZ-01 (110 J µg/L). The highest 1,4-dioxane concentration detected in the intermediate screened zone was in off-Site downgradient well RMW-10-35 (420 µg/L) (Figure 15). Although the southern 1,4-dioxane plume extent is characterized in the shallow and intermediate screened zones, a southwestern plume migration trajectory is evident and the boundary of the southwestern plume extent is uncertain. 1,4-dioxane exceeded the California NL in the deep screened zone only in southern boundary wells X-46 (11 µg/L) and X-49 (20 µg/L), and downgradient well RMW-14-50 (2.9 µg/L).

Benzene in the shallow zone is present at concentrations greater than the California MCL of 1 µg/L beneath the warehouse and extending downgradient to well X-52 (Figure 16). The maximum benzene concentration was detected in well MW-02 located beneath the warehouse at 40 µg/L. An area of elevated benzene concentration was also identified in the northwest area of the former property boundary at well RMW-08-15 (4.8 µg/L). Concentrations in the intermediate and deep screened intervals were not mapped, but the areas exceeding the MCL are consistent with the shallow screened zone.

Elevated dissolved metals concentrations are likely associated with reducing conditions caused by elevated VOC concentrations in groundwater (Gilbane, 2014). Arsenic is a risk driver in Site groundwater and concentrations exceeding the MCL of 10 µg/L are shown on Figures 17, 18, and 19 for the shallow, intermediate, and deep screened zones, respectively. Arsenic concentrations were detected above the MCL in the shallow screened zone over a majority of the former property boundary, with the highest concentration detected in well RMW-08-15 (180 µg/L) located in the northwest corner of the former property boundary (Figure 17). An additional area of elevated arsenic concentrations is located downgradient and off-Site, with the maximum concentration detected in well RMW-10-15 (720 µg/L). Dissolved arsenic concentrations exceeding the MCL are present in the intermediate screened zone over a smaller lateral extent than the shallow screened zone (Figure 18) although delineation is limited in the northern property boundary area due to lack of monitoring locations. The off-Site downgradient arsenic

hot spot in the intermediate screened zone is centered around well RMW-10-35 at 1,100 µg/L. Dissolved arsenic concentrations in the deep screened zone are present above the MCL in an area beneath the warehouse and in an off-Site downgradient area in the vicinity of RMW-14-50 (19 µg/L) and RMW-19-80 (11 µg/L), although delineation of contaminant extent is limited by the number of monitoring locations (Figure 19).

5.2 Contaminant Stratification

Wells with long screen intervals (>40 ft) were sampled within the shallow (15 ft bgs), intermediate (30 ft bgs), and deep (45 ft bgs) intervals using targeted low-flow pump deployment to evaluate vertical contaminant stratification. Contaminant concentrations were generally consistent within the shallow, intermediate, and deep zones (i.e., no stratification identified), with the following exceptions:

- In well X-52, concentrations in the shallow, intermediate, and deep screened zones generally decreased with depth for 1,1-DCA (120 J µg/L, 74 µg/L, and 36 µg/L, respectively); cis-1,2-DCE (560 µg/L, 230 µg/L, and 120 µg/L, respectively); trans-1,2-DCE (20 µg/L, 11 µg/L, and 5.5 µg/L, respectively); and VC (440 µg/L, 290 µg/L, and 130 µg/L, respectively).
- Bis(2-ethylhexyl) phthalate exceeded the MCL of 4 µg/L in well X-33 (4.4 J µg/L) and X-50 (23 µg/L) in the deep screened intervals only, with significantly lower concentrations detected in the shallow and intermediate screened zone samples.

VOCs were additionally sampled in well X-52 using PDB samplers to compare results from targeted low-flow sampling and evaluate whether the targeted depth stratification sampling was consistent between sampling methods. Analyte detections were compared between the sampling methods by calculating the relative percent difference (RPD), presented in Table 6. The RPD values are generally below the accepted field duplicate pair RPD threshold of 40%. RPD values that exceed 40% are primarily associated with detections that are less than 10 µg/L. Larger RPD values were identified for cis-1,2-DCE and toluene; however, a specific high or low bias was not attributed to either sampling method. Overall, the low-flow and PDB sampling methods produced comparable data for depth-specific groundwater sampling.

5.3 Concentrations Over Time

Significant groundwater contaminant concentration changes were identified at the Site between the February 2018 and August 2019 groundwater monitoring events, attributed to the 2019 ISCO injections (OTIE, 2020). Notable contaminant concentration changes identified between the August 2019 and August 2021 groundwater monitoring events are summarized below. Contaminant plume maps from the August 2019 monitoring event are included in Appendix D for reference.

- PCE concentrations in 2021 were generally consistent with 2019 data, with the highest concentration detected in well X-05 (60 J µg/L in 2019 and 110 µg/L in 2021).
- The lateral extent of TCE concentrations exceeding the MCL of 5 µg/L decreased in the shallow screened zone between 2019 and 2021 due to decreases observed in wells X-29 (27 µg/L to 2.0 µg/L) and X-52 (14 µg/L to 1.5 µg/L). In the intermediate screened wells, the TCE concentration significantly decreased in well RMW-10-35 (110 J µg/L to 14 J µg/L) but increased in cross-gradient wells RMW-08-35 (1.8 J µg/L to 16 µg/L) and RMW-17-35 (non-detect at 0.5 µg/L to 22 µg/L). A moderate TCE decrease was observed in deep screened zone well RMW-14-50 (83 µg/L to 51 µg/L).

- Cis-1,2-DCE concentrations in the shallow screened zone were consistent between 2019 and 2021, except for a significant increase at well X-52 (89 µg/L to 560 µg/L). Moderate increases were also noted in intermediate screened wells RMS-08-35 (9.2 µg/L to 26 µg/L) and RMW-15-35 (0.8 J µg/L to 12 µg/L). However, a significant decrease was noted in the intermediate screened well RMW-10-35 (1,200 µg/L to 65 µg/L). A concentration decrease was identified in deep screened well RMW-14-50 (40 µg/L to 21 µg/L).
- VC concentrations moderately increased at several shallow/intermediate screened wells adjacent and immediately downgradient from the warehouse building, including X-21 (non-detect at 12 µg/L to 100 µg/L), X-25 (88 µg/L to 200 µg/L), X-29 (non-detect at 12 µg/L to 40 µg/L), and X-52 (30 µg/L to 440 µg/L). VC concentrations were generally consistent between 2019 and 2021 in the intermediate and deep screened zones.
- 1,4-Dioxane concentrations decreased between 2019 and 2021 in shallow screened well BMW-03 (360 J µg/L to 140 µg/L) but increased in intermediate screened well RMW-10-35 (89 µg/L to 420 µg/L).
- Benzene concentrations in 2019 and 2021 were limited to the vicinity of the warehouse building. Minor increases in wells X-05 (non-detect at 5 µg/L to 11 µg/L) and X-52 (0.8 J µg/L to 6.3 µg/L) affect the northern and southern extent of the benzene plume exceeding the MCL of 1 µg/L.

6.0 CONCLUSIONS

The following conclusions are provided to characterize the current state of the groundwater plume at the AMCO Site based on data from August 2021. Priority groundwater pollutants were analyzed, including VOCs, SVOCs, and dissolved metals and observations about the presence of LNAPL free product were made.

A total of 51 wells were gauged for depth to water between August 11 and 13, 2021 and the apparent groundwater flow direction was to the south-southwest toward the San Francisco Bay. LNAPL free product thickness was measured during gauging with an electronic interphase probe, and free product was identified in wells X-05 (1.10 feet), X-13 (0.01 feet), X-15 (0.02 feet), X-19 (0.01 feet), X-21 (0.09 feet), X-25 (0.15 feet), X-29 (0.01 feet), X-33 (0.01 feet), and X-50 (0.10 feet). The observed LNAPL locations and measured thickness were consistent with 2019 observations. An interim LNAPL characterization and recovery plan is currently under production to address Site LNAPL prior to the FS and Record of Decision.

CVOC contaminant plumes showed generally consistent concentrations and vertical/lateral extent compared to 2019 groundwater data. Contaminant hot spots exist beneath and adjacent to the warehouse building and in an off-Site downgradient location to the south of 3rd Street, centered around the RMW-10 series wells. CVOC concentrations exceeding their respective MCL or NL values do not extend to the southernmost RMW-19 sentry wells in the shallow, intermediate, or deep screened intervals.

1,4-Dioxane exceeds the California NL of 1 µg/L across the majority of the Site and downgradient area in the shallow and intermediate screened zones. Plume characterization is currently sufficient; however, the southwesterly plume migration may eventually surpass the southwestern sentry wells RWM-17 and RMW-18.

Efforts to evaluate contaminant stratification in wells with long screen intervals (>40 ft) suggest that VOC and SVOC concentrations are generally consistent between the shallow, intermediate, and deep screened intervals beneath and immediately downgradient of the warehouse building in wells X-33, X-46, X-49, and X-50. However, VOCs in well X-52 showed a general concentration decrease with depth. The stratification observations are presented after only one monitoring event, and additional data is required to confirm whether the long-screened wells should be sampled at each zone (shallow, intermediate, and deep) during future monitoring efforts to provide appropriate plume characterization. A comparison of depth-targeted low-flow groundwater sampling data with PDB groundwater sampling data from well X-52 indicates that both methods provide comparable data and the sampling method selection can be based on field logistical factors (e.g., sampling time and expense) versus sampling method data quality concerns.

Dissolved metals arsenic and manganese exceed their respective MCL of 10 µg/L and California NL of 500 µg/L in areas coincident with elevated CVOC concentrations, primarily beneath and adjacent to the warehouse building and in the off-Site downgradient area centered around the RMW-10 well series. Dissolved nickel and selenium concentrations exceeded their respective MCL values only in off-Site downgradient locations. The southernmost downgradient deep screened sentry well RMW-19-80 exceeded the MCL/NL for arsenic, manganese, nickel, and selenium but did not exceed MCLs/NLs for any VOC or SVOC contaminant.

The limited contaminant concentration variation observed between groundwater data collected in 2019 and in 2021 indicates that aquifer conditions are normalized following the historical ERH and ISCO treatments performed at the Site, and the two data sets can be used in conjunction to support evaluation of remedial alternatives in the FS process.

7.0 REFERENCES

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FIGURES

Figure 1 Site Location Map

Figure 2 August 2021 Groundwater Elevations

Figure 3 August 2021 LNAPL Free Product

Figure 4 Tetrachloroethene (PCE) in Shallow Groundwater Zone, August 2021

Figure 5 Trichloroethene (TCE) in Shallow Groundwater Zone, August 2021

Figure 6 Trichloroethene (TCE) in Intermediate Groundwater Zone, August 2021

Figure 7 Trichloroethene (TCE) in Deep Groundwater Zone, August 2021

Figure 8 Cis-1,2-Dichloroethene in Shallow Groundwater Zone, August 2021

Figure 9 Cis-1,2-Dichloroethene in Intermediate Groundwater Zone, August 2021

Figure 10 Cis-1,2-Dichloroethene in Deep Groundwater Zone, August 2021

Figure 11 Vinyl Chloride in Shallow Groundwater Zone, August 2021

Figure 12 Vinyl Chloride in Intermediate Groundwater Zone, August 2021

Figure 13 Vinyl Chloride in Deep Groundwater Zone, August 2021

Figure 14 1,4-Dioxane in Shallow Groundwater Zone, August 2021

Figure 15 1,4-Dioxane in Intermediate Shallow Groundwater Zone, August 2021

Figure 16 Benzene in Shallow Groundwater Zone, August 2021

Figure 17 Dissolved Arsenic in Shallow Groundwater Zone, August 2021

Figure 18 Dissolved Arsenic in Intermediate Groundwater Zone, August 2021

Figure 19 Dissolved Arsenic in Deep Groundwater Zone, August 2021

TABLES

Table 1 Groundwater Sample Details – August 2021

Table 2 Groundwater Elevations - August 11-13, 2021

Table 3 Detected VOCs in Groundwater – August 2021

Table 4 Detected SVOCs in Groundwater – August 2021

Table 5 Detected Dissolved Metals in Groundwater – August 2021

Table 6 Targeted Depth Sampling VOC Results Comparison – Low-Flow vs. Passive Diffusion Bag Sampling Methods

APPENDICES

Appendix A Field Forms

Appendix B Laboratory Reports

Appendix C Data Validation Reports

Appendix D 2019 Groundwater Plume Figures

FIGURES

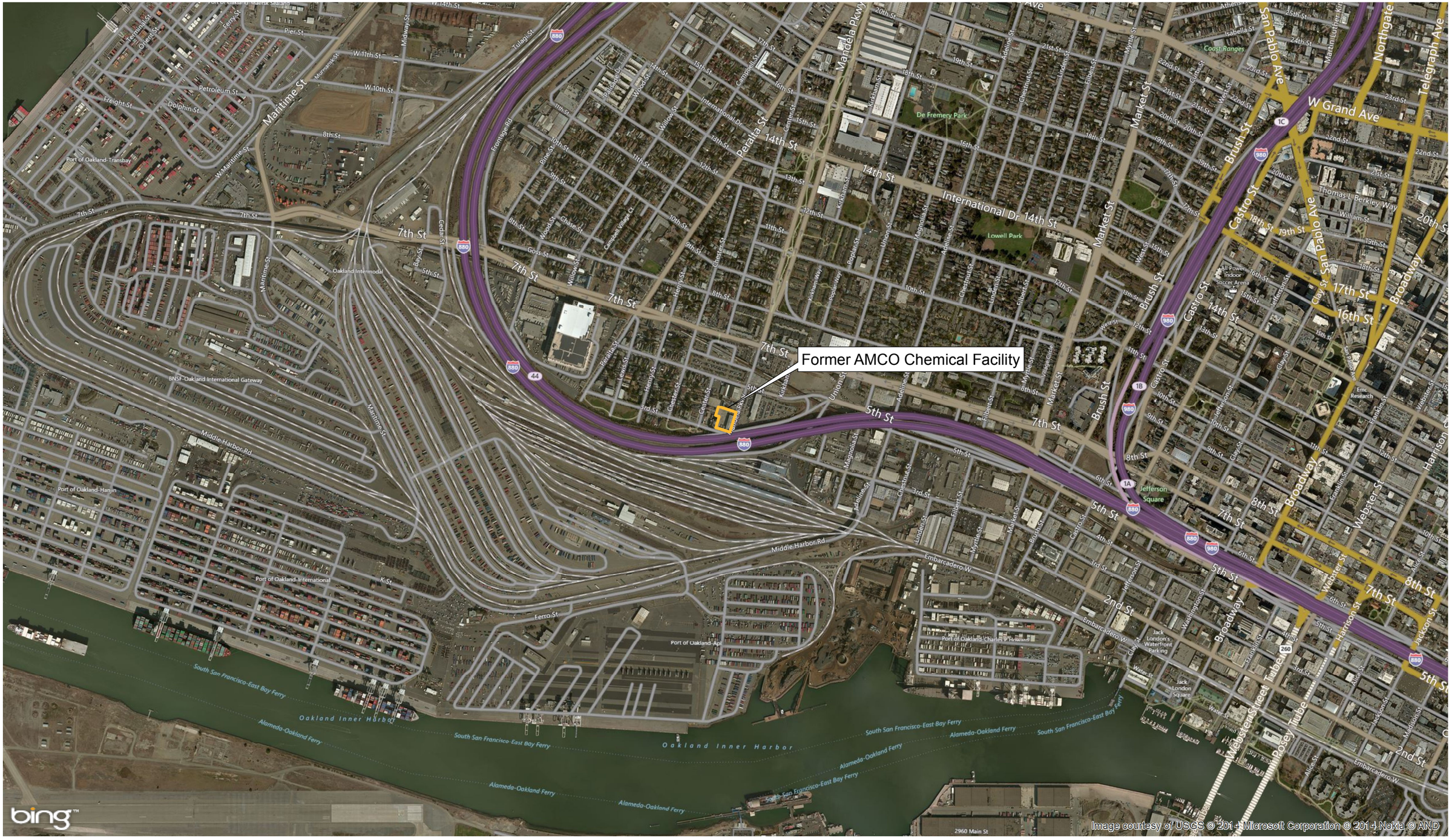

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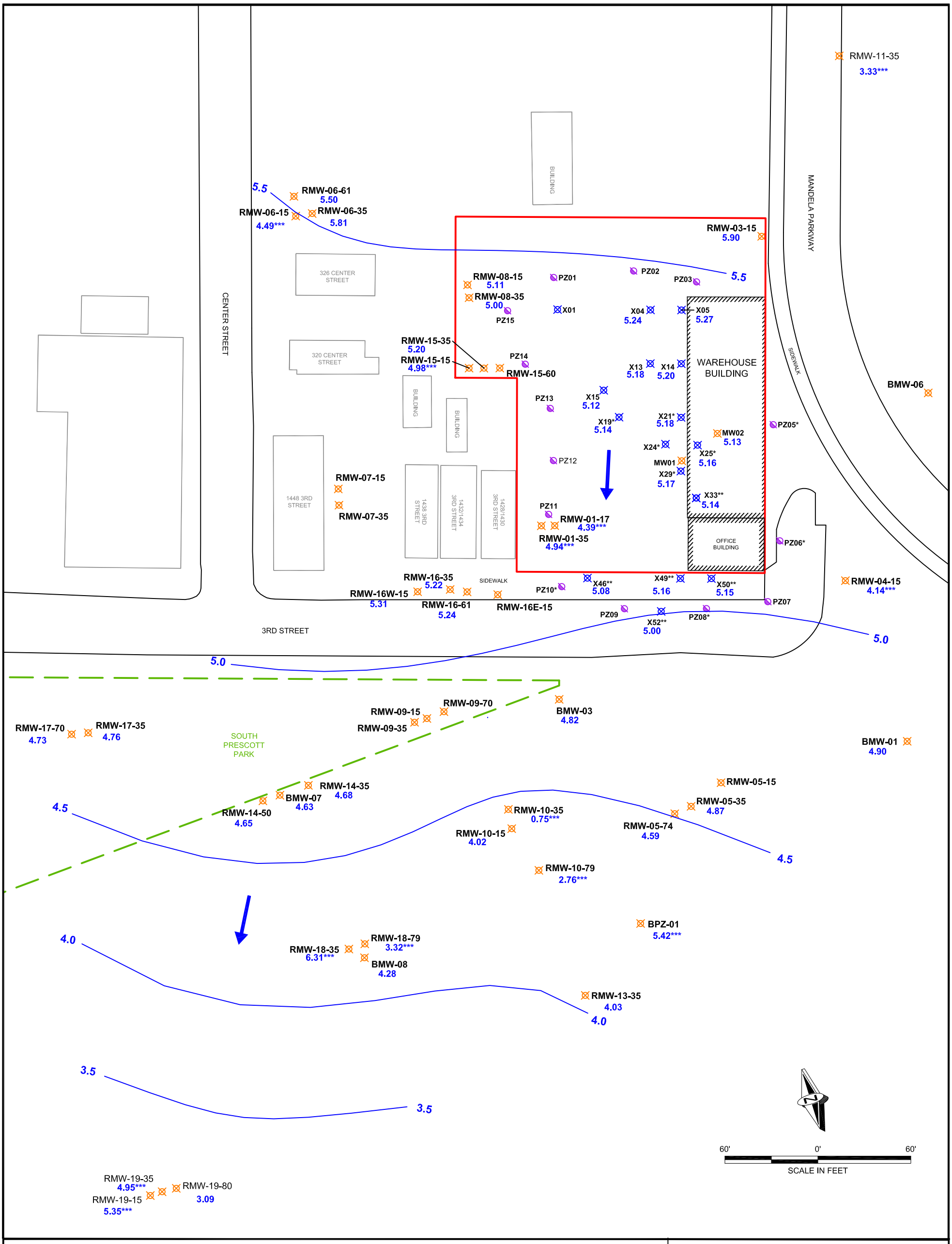
FIGURE 1
Site Location Map



LEGEND

- Dual Phase Extraction (DPE) Well
- Groundwater Monitoring Well
- Piezometer
- Former AMCO Chemical Facility Boundary
- 5.66 Groundwater Elevation (feet above mean sea level)
- Groundwater Elevation Contour
- Approximate Groundwater Flow Direction

NOTES

1) Wells were gauged August 11-13, 2021.
2) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs
3) (*) Indicates well is screened through the shallow and intermediate zones.
4) (**) Indicates well is screened through the shallow, intermediate, and deep zones.
5) (***) Groundwater elevations not used for contouring.
6) ft bgs = feet below ground surface

Figure 2
August 2021 Groundwater Elevations

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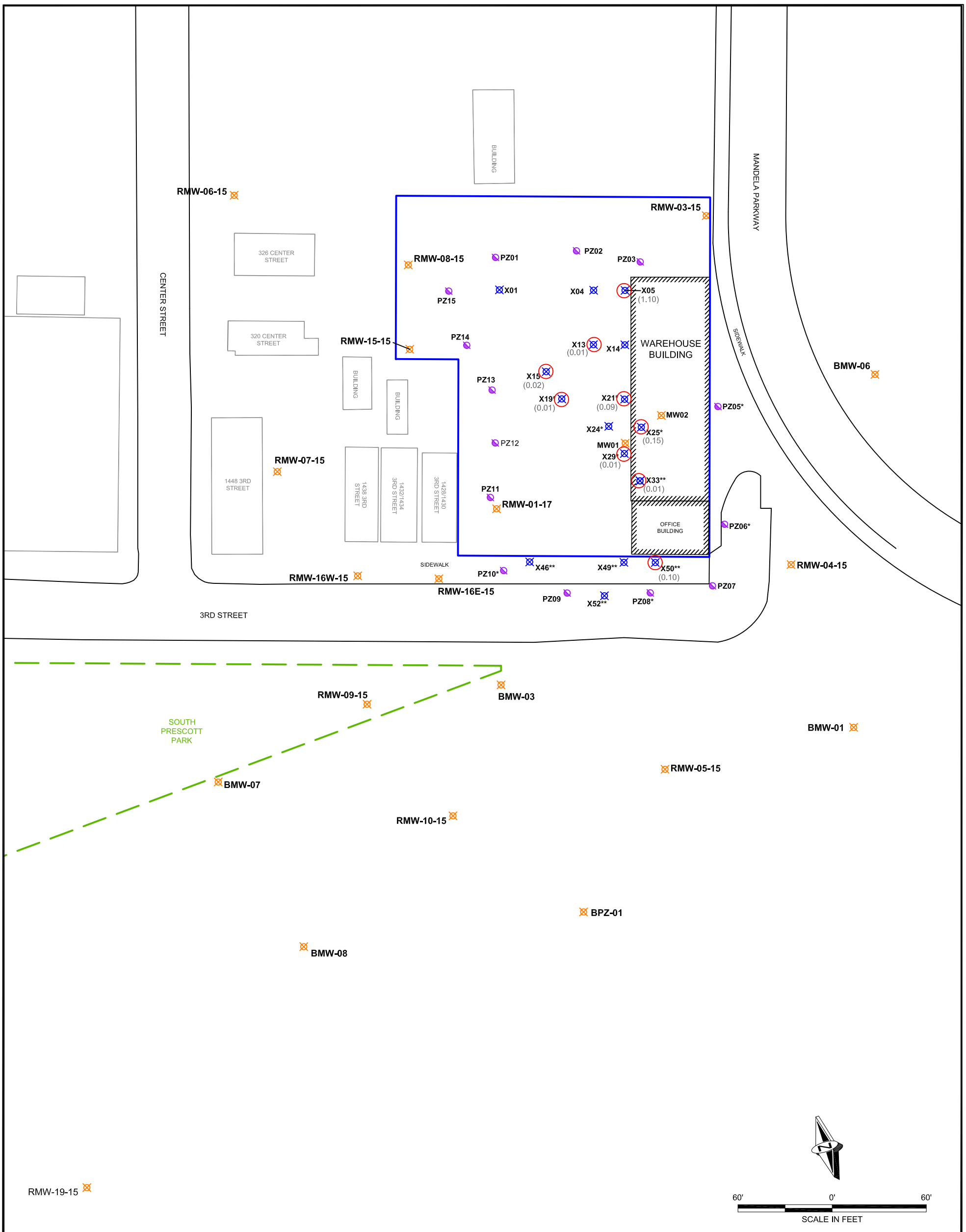
AMCO_2021 GW.dwg



LEGEND

- Dual Phase Extraction (DPE) Well
- Groundwater Monitoring Well
- Piezometer
- Former AMCO Chemical Facility Boundary
- (0.01) LNAPL Free Product Observed August 2021 (product thickness in feet)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs
2) (*) Indicates well is screened through the shallow and intermediate zones.
3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.
4) LNAPL - lightweight non-aqueous phase liquid.

Figure 3
August 2021 LNAPL Free Product

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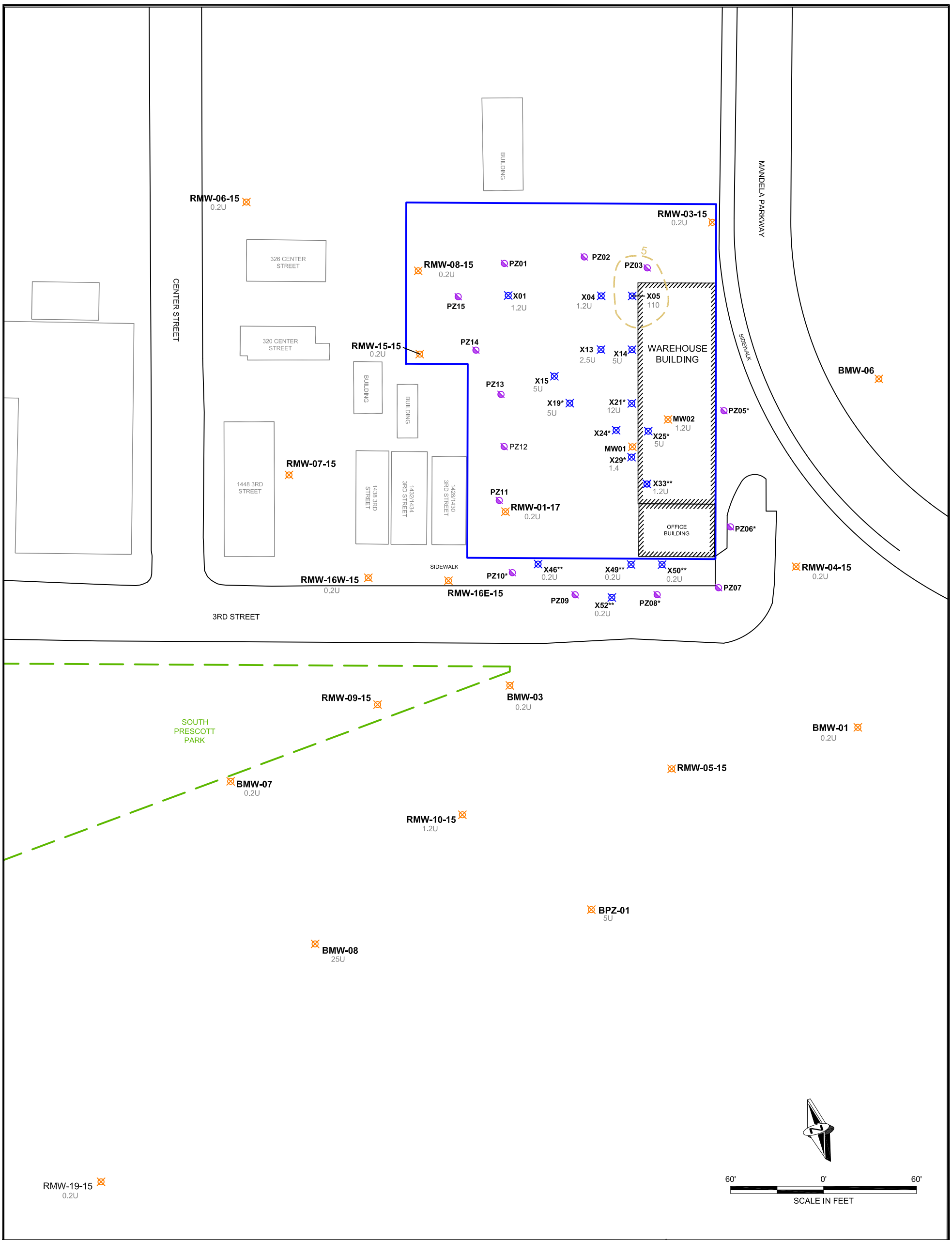
Date: 11/5/2021

AMCO_2021 GW.dwg



LEGEND

- Dual Phase Extraction (DPE) Well
- Groundwater Monitoring Well
- Piezometer
- Former AMCO Chemical Facility Boundary
- 0.2U Tetrachloroethene Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs
2) (*) Indicates well is screened through the shallow and intermediate zones.
3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.
4) Wells with no data shown were not sampled.
5) The highest detection is shown for field duplicate pair samples.
6) Screening level, based on California Maximum Contaminant Level (MCL) value, for Tetrachloroethene is 5 ug/L.
7) ug/L = micrograms per liter
   ft bgs = feet below ground surface

Figure 4
Tetrachloroethene (PCE) in Shallow Groundwater Zone
August 2021

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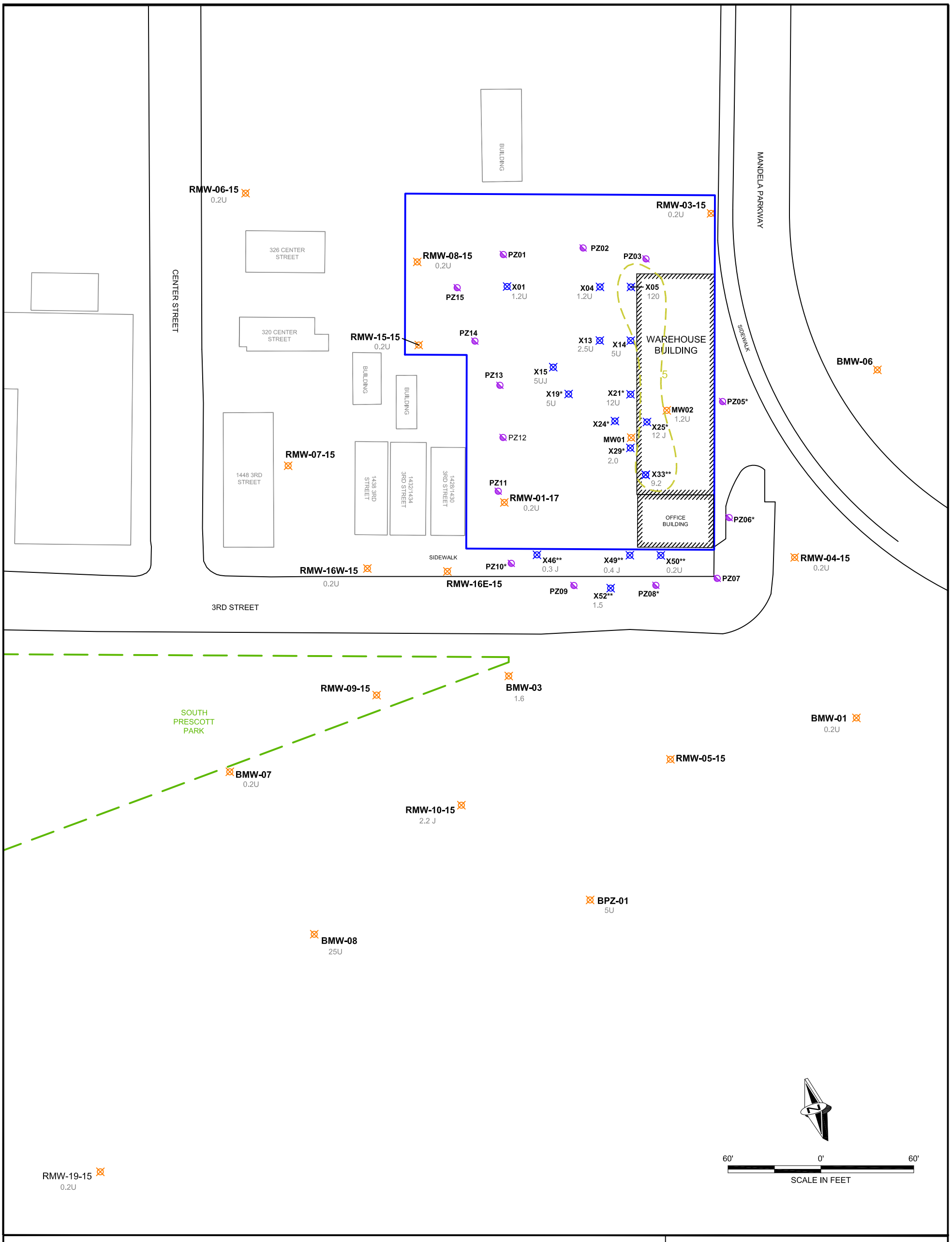
Date: 11/5/2021

AMCO_2021 GW.dwg



LEGEND

- Dual Phase Extraction (DPE) Well
- Groundwater Monitoring Well
- Piezometer
- Former AMCO Chemical Facility Boundary
- 0.2U Trichloroethene Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs
2) (*) Indicates well is screened through the shallow and intermediate zones.
3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.
4) Wells with no data shown were not sampled.
5) The highest detection is shown for field duplicate pair samples.
6) Screening level, based on California Maximum Contaminant Level (MCL) value, for Trichloroethene is 5 ug/L.
7) ug/L = micrograms per liter
   ft bgs = feet below ground surface

Figure 5
Trichloroethene (TCE) in Shallow Groundwater Zone
August 2021

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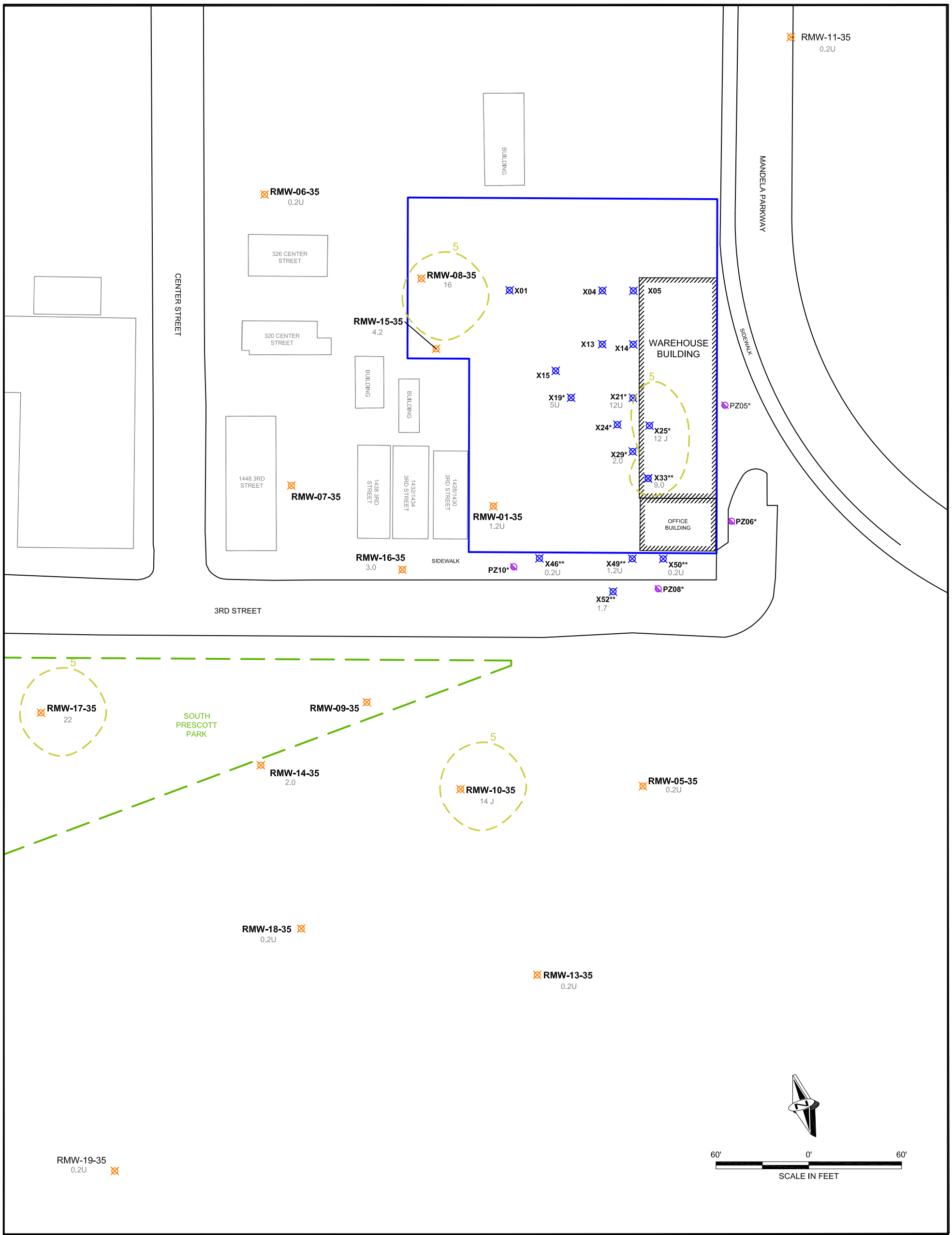
AMCO_2021 GW.dwg



LEGEND

- Dual Phase Extraction (DPE) Well
- Groundwater Monitoring Well
- Piezometer
- Former AMCO Chemical Facility Boundary
- 0.2U Trichloroethene Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs
2) (*) Indicates well is screened through the shallow and intermediate zones.
3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.
4) Wells with no data shown were not sampled.
5) The highest detection is shown for field duplicate pair samples.
6) Screening level, based on California Maximum Contaminant Level (MCL) value, for Trichloroethene is 5 ug/L.
7) ug/L = micrograms per liter
   ft bgs = feet below ground surface

Figure 6
Trichloroethene (TCE) in Intermediate Groundwater Zone
August 2021

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Oakland, California

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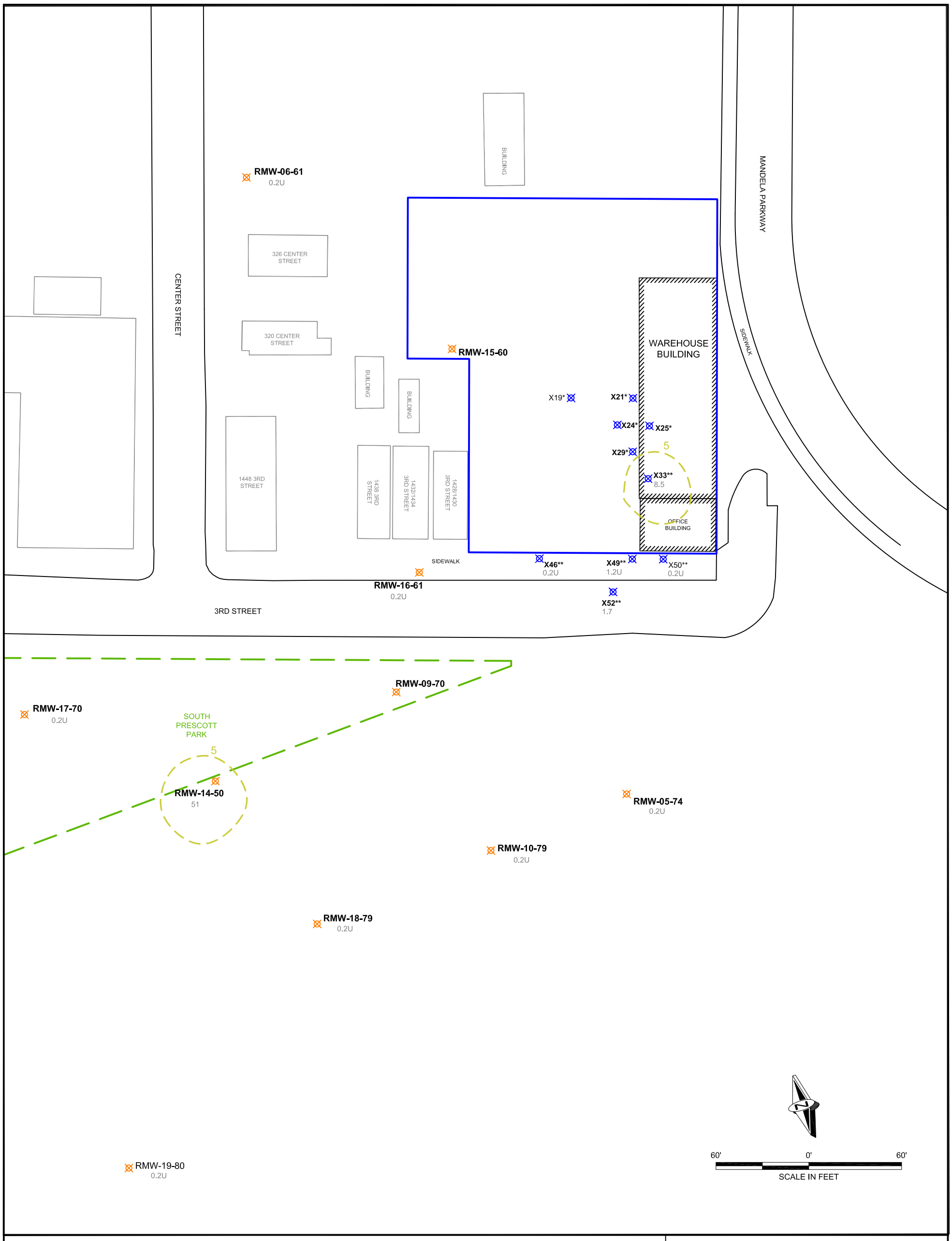
AMCO_2021 GW.dwg



LEGEND

- Dual Phase Extraction (DPE) Well
- Groundwater Monitoring Well
- Piezometer
- Former AMCO Chemical Facility Boundary
- 0.2U Trichloroethene Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs
2) (*) Indicates well is screened through the shallow and intermediate zones.
3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.
4) Wells with no data shown were not sampled.
5) The highest detection is shown for field duplicate pair samples.
6) Screening level, based on California Maximum Contaminant Level (MCL) value, for Trichloroethene is 5 ug/L.
7) ug/L = micrograms per liter
   ft bgs = feet below ground surface

Figure 7
Trichloroethene (TCE) in Deep Groundwater Zone
August 2021

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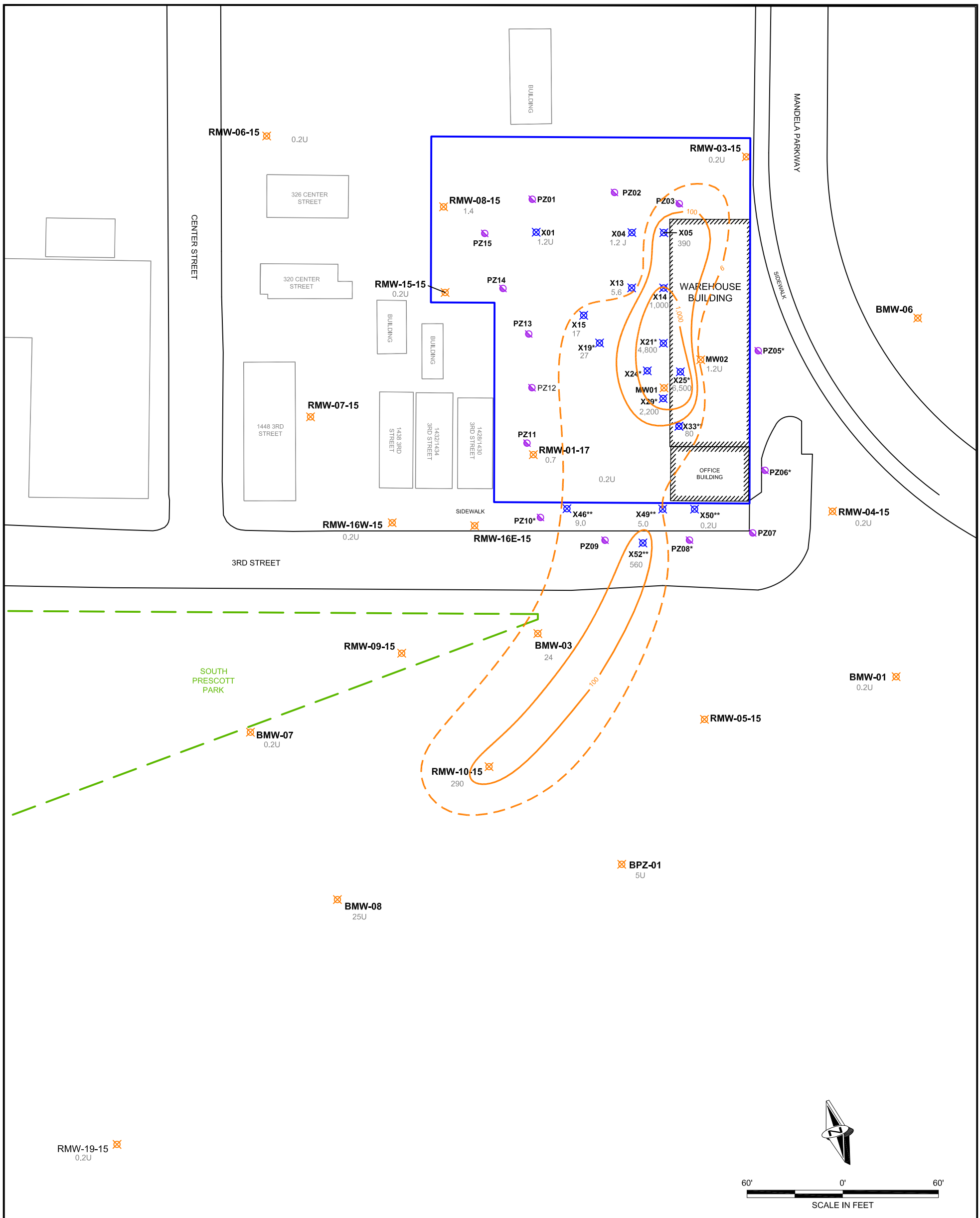
AMCO_2021 GW.dwg



LEGEND

- Dual Phase Extraction (DPE) Well
- Groundwater Monitoring Well
- Piezometer
- Former AMCO Chemical Facility Boundary
- 0.2U cis-1,2-Dichloroethene Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs
2) (*) Indicates well is screened through the shallow and intermediate zones.
3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.
4) Wells with no data shown were not sampled.
5) The highest detection is shown for field duplicate pair samples.
6) Screening level, based on California Maximum Contaminant Level (MCL) value, for cis-1,2-dichloroethene is 6 ug/L.
7) ug/L = micrograms per liter
   ft bgs = feet below ground surface

Figure 8
cis-1,2-Dichloroethene in Shallow Groundwater Zone
August 2021

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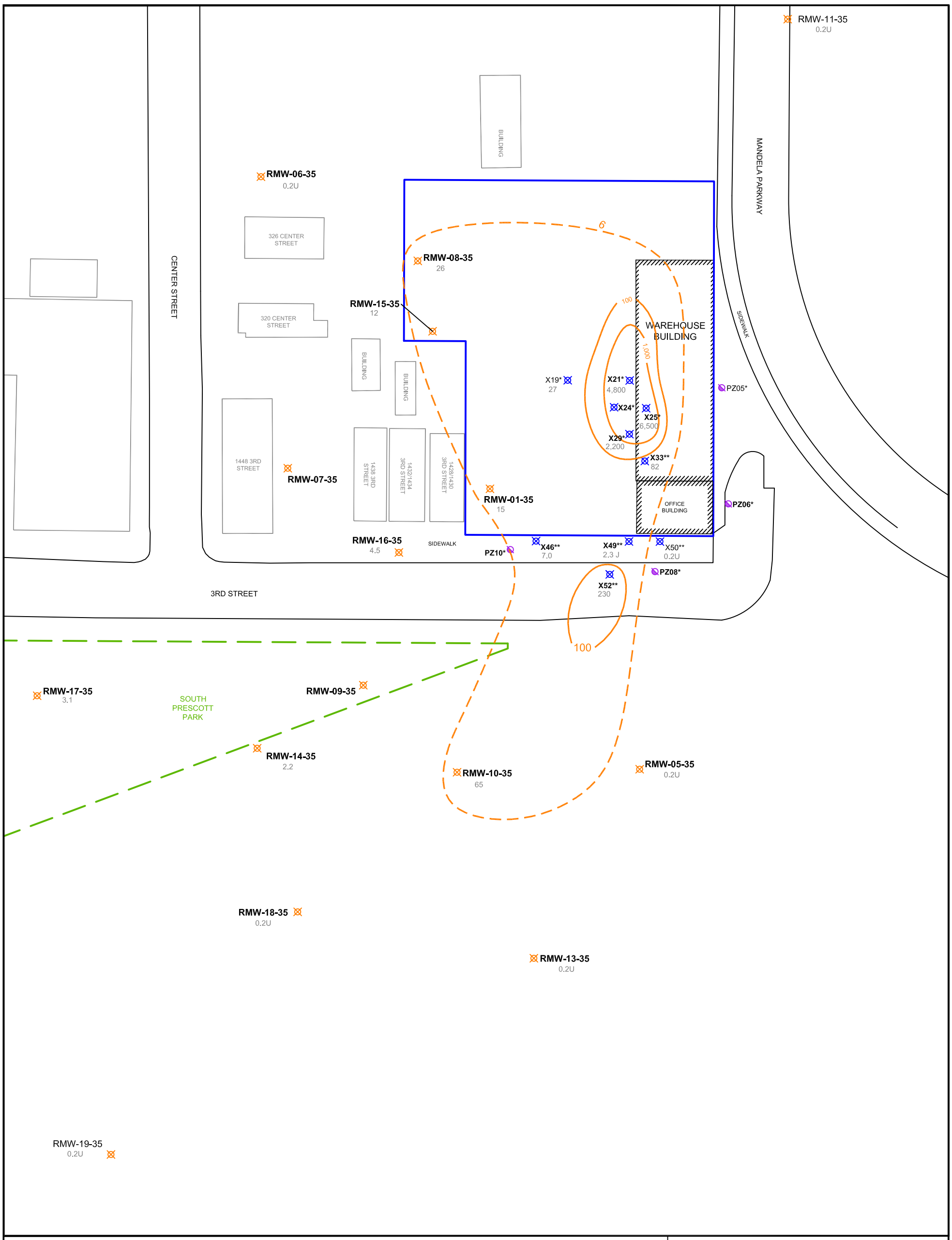
Date: 11/5/2021

AMCO_2021 GW.dwg



LEGEND

- Dual Phase Extraction (DPE) Well
- Groundwater Monitoring Well
- Piezometer
- Former AMCO Chemical Facility Boundary
- 0.2U cis-1,2-Dichloroethene Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs
2) (*) Indicates well is screened through the shallow and intermediate zones.
3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.
4) Wells with no data shown were not sampled.
5) The highest detection is shown for field duplicate pair samples.
6) Screening level, based on California Maximum Contaminant Level (MCL) value, for cis-1,2-dichloroethene is 6 ug/L.
7) ug/L = micrograms per liter
   ft bgs = feet below ground surface

Figure 9
cis-1,2-Dichloroethene in Intermediate Groundwater Zone
August 2021

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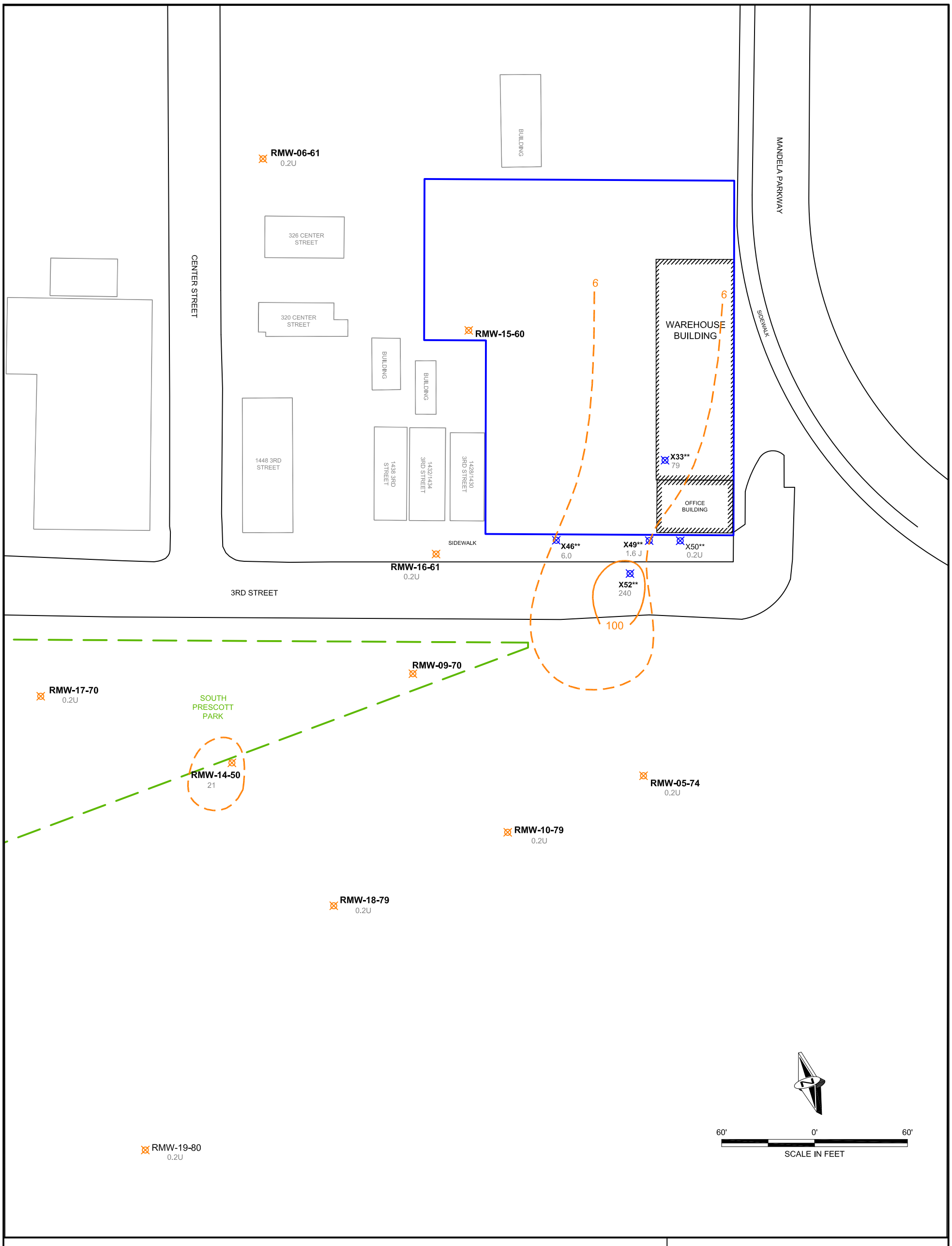
AMCO_2021 GW.dwg



LEGEND

- Dual Phase Extraction (DPE) Well
- Groundwater Monitoring Well
- Piezometer
- Former AMCO Chemical Facility Boundary
- 0.2U cis-1,2-Dichloroethene Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs
2) (*) Indicates well is screened through the shallow and intermediate zones.
3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.
4) Wells with no data shown were not sampled.
5) The highest detection is shown for field duplicate pair samples.
6) Screening level, based on California Maximum Contaminant Level (MCL) value, for cis-1,2-dichloroethene is 6 ug/L.
7) ug/L = micrograms per liter
   ft bgs = feet below ground surface

Figure 10
cis-1,2-Dichloroethene in Deep Groundwater Zone
August 2021

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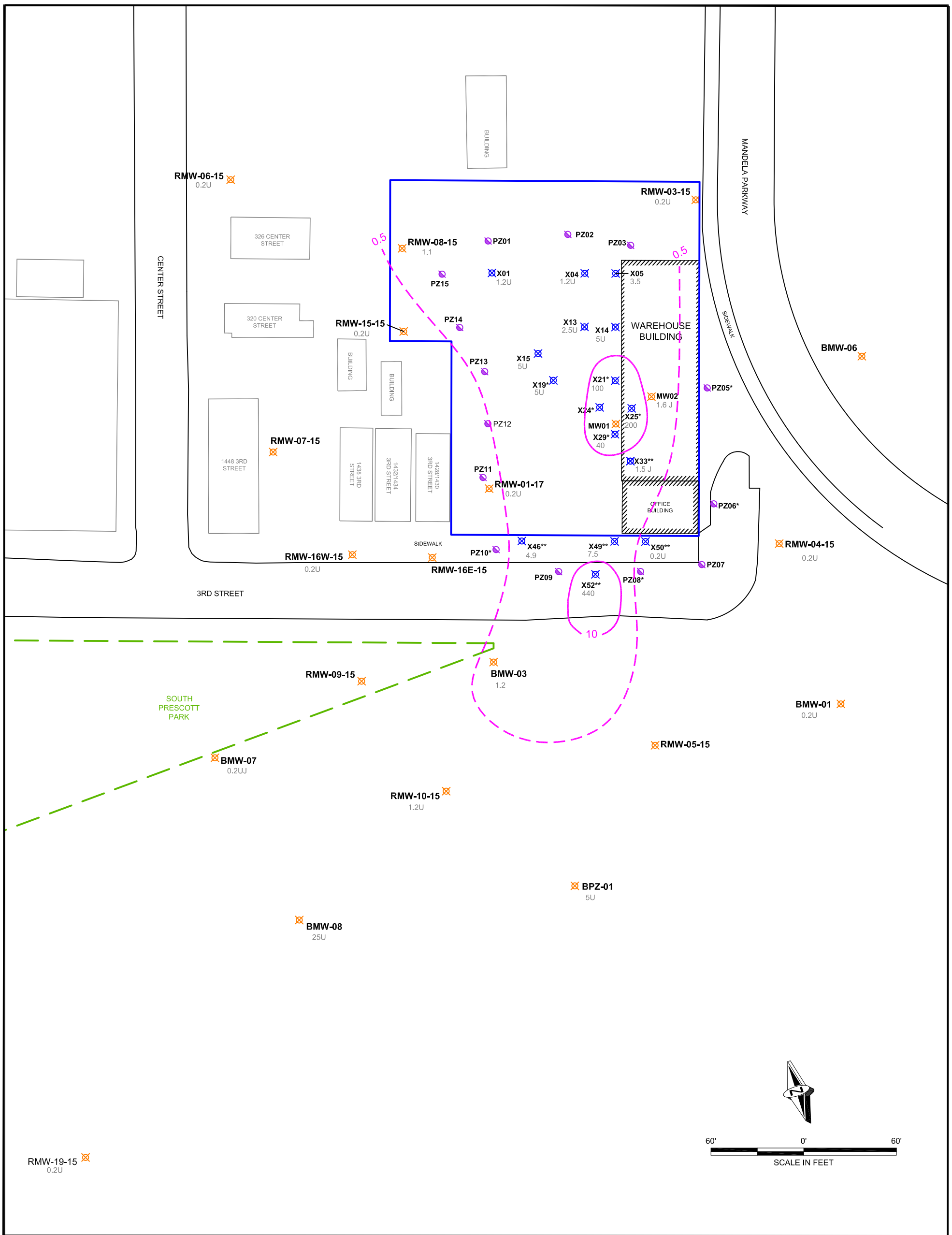
Date: 11/5/2021

AMCO_2021 GW.dwg



LEGEND

- Dual Phase Extraction (DPE) Well
- Groundwater Monitoring Well
- Piezometer
- Former AMCO Chemical Facility Boundary
- 0.2U Vinyl Chloride Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs
2) (*) Indicates well is screened through the shallow and intermediate zones.
3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.
4) Wells with no data shown were not sampled.
5) The highest detection is shown for field duplicate pair samples.
6) Screening level, based on California Maximum Contaminant Level (MCL) value, for vinyl chloride is 0.5 ug/L.
7) ug/L = micrograms per liter
   ft bgs = feet below ground surface

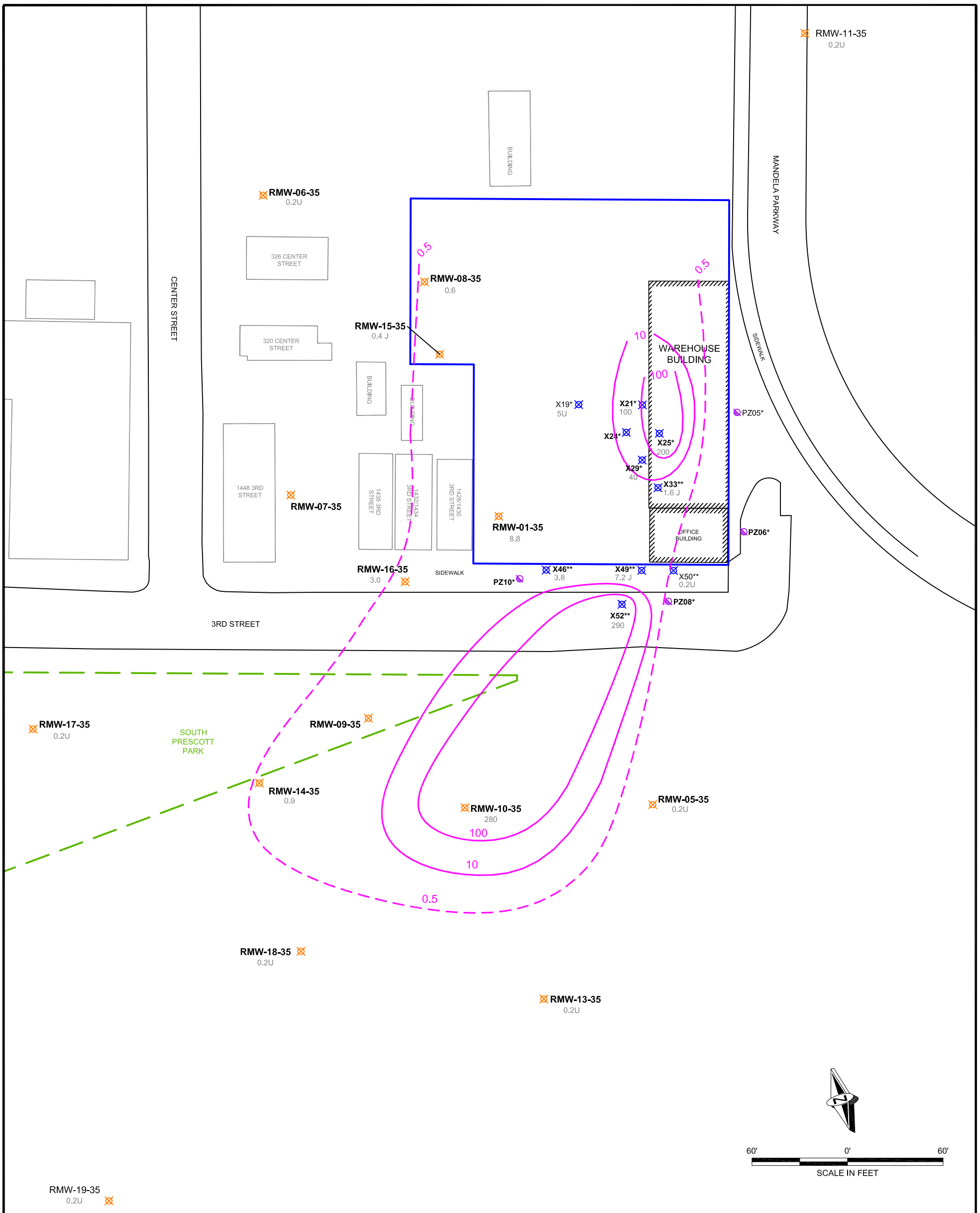
Figure 11
Vinyl Chloride in Shallow Groundwater Zone
August 2021

USEPA, Region 9
AMCO Chemical Superfund Site
Oakland, California

ONEIDA Total Integrated Enterprises

Date: 11/5/2021

AMCO_2021 GW.dwg



LEGEND

- Dual Phase Extraction (DPE) Well
- Groundwater Monitoring Well
- Piezometer
- Former AMCO Chemical Facility Boundary
- 0.2U Vinyl Chloride Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs
2) (*) Indicates well is screened through the shallow and intermediate zones.
3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.
4) Wells with no data shown were not sampled.
5) The highest detection is shown for field duplicate pair samples.
6) Screening level, based on California Maximum Contaminant Level (MCL) value, for vinyl chloride is 0.5 ug/L.
7) ug/L = micrograms per liter
   ft bgs = feet below ground surface

Figure 12
Vinyl Chloride in Intermediate Groundwater Zone
August 2021

USEPA, Region 9
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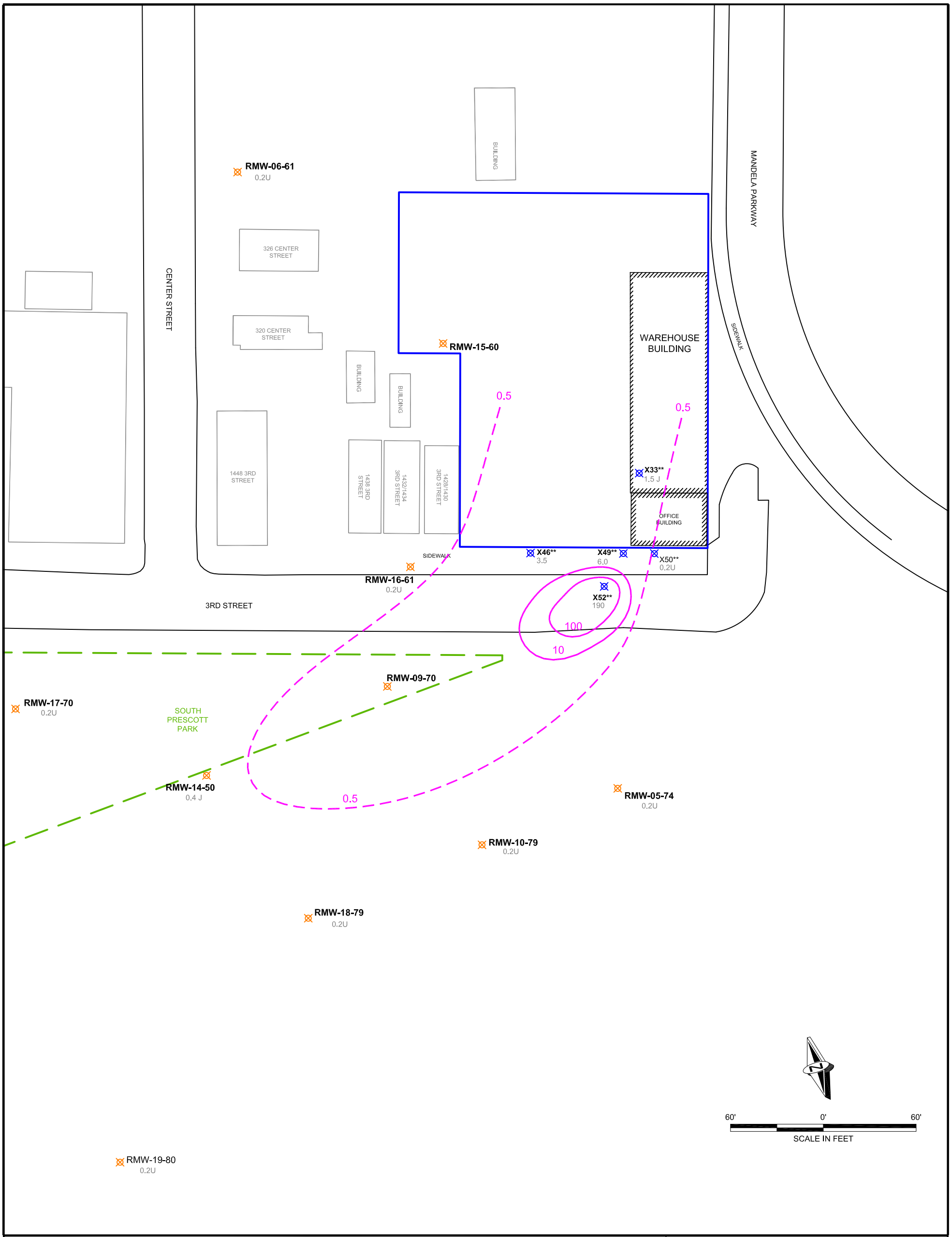
Oakland, California

ONEIDA Total Integrated Enterprises

Date: 11/5/2021

AMCO_2021 GW.dwg



LEGEND

- Dual Phase Extraction (DPE) Well
- Groundwater Monitoring Well
- Piezometer
- Former AMCO Chemical Facility Boundary
- 0.2U Vinyl Chloride Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs
2) (*) Indicates well is screened through the shallow and intermediate zones.
3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.
4) Wells with no data shown were not sampled.
5) The highest detection is shown for field duplicate pair samples.
6) Screening level, based on California Maximum Contaminant Level (MCL) value, for vinyl chloride is 0.5 ug/L.
7) ug/L = micrograms per liter
   ft bgs = feet below ground surface

Figure 13

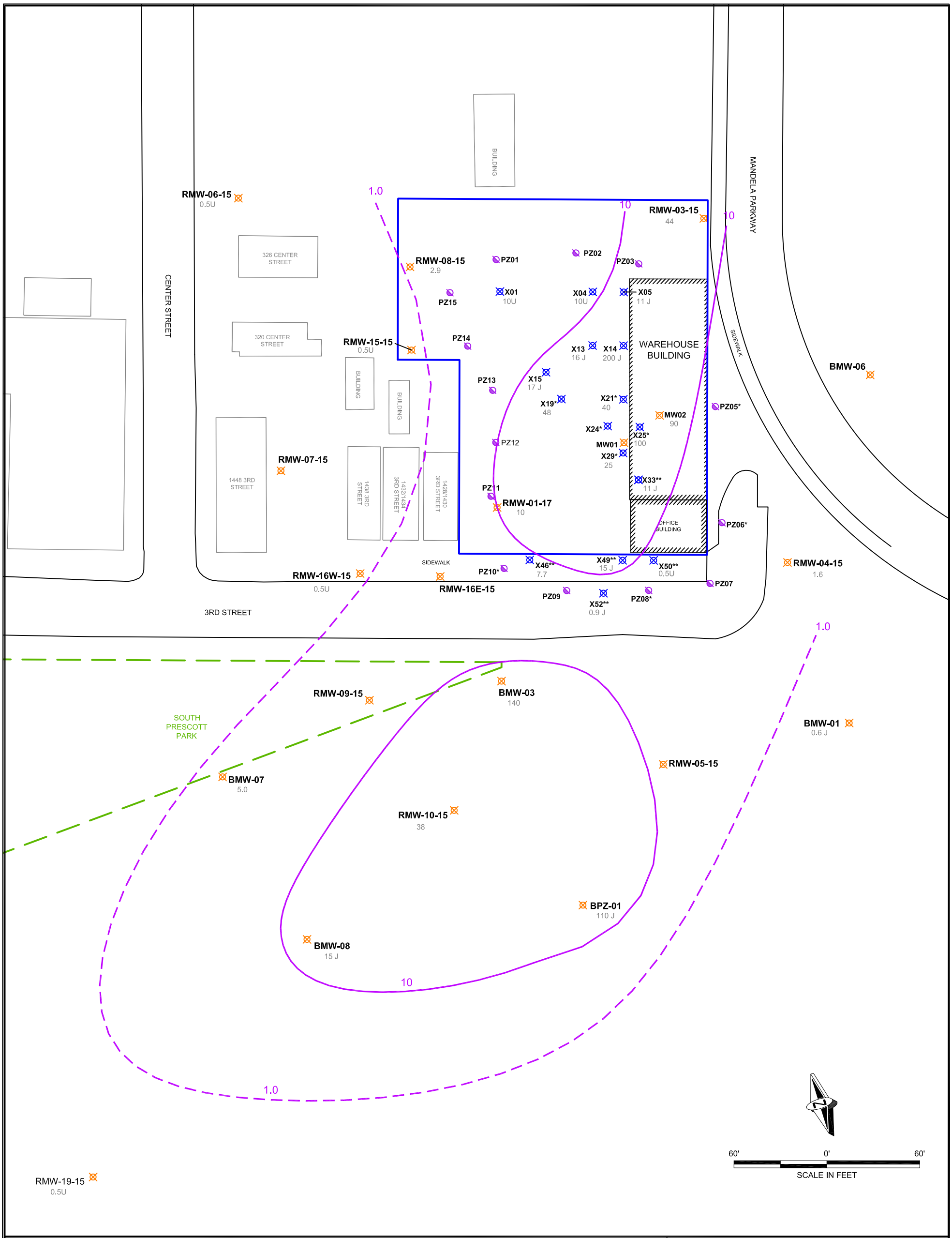
Vinyl Chloride in Deep Groundwater Zone
August 2021

USEPA, Region 9
AMCO Chemical Superfund Site
Oakland, California

ONEIDA Total Integrated Enterprises

Date: 11/5/2021

AMCO_2021 GW.dwg



LEGEND

- Dual Phase Extraction (DPE) Well
- Groundwater Monitoring Well
- Piezometer
- Former AMCO Chemical Facility Boundary
- 0.2U 1,4-Dioxane Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs
2) (*) Indicates well is screened through the shallow and intermediate zones.
3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.
4) Wells with no data shown were not sampled.
5) The highest detection is shown for field duplicate pair samples.
5) Screening level, based on based on California State Water Resources Control Board Division of Drinking Water Notification Level for 1,4-Dioxane is 1 ug/L.
6) ug/L = micrograms per liter
   ft bgs = feet below ground surface

Figure 14

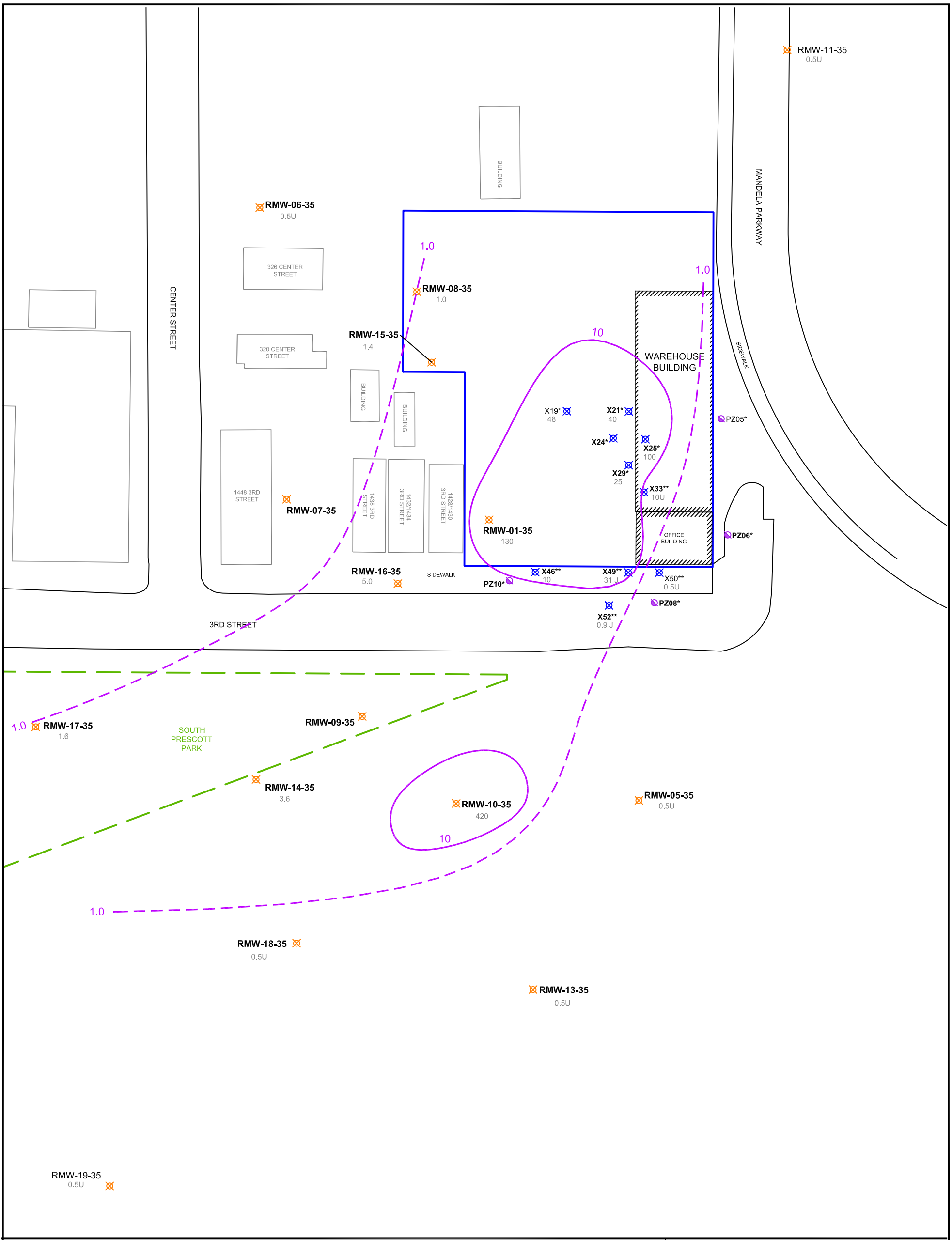
1,4-Dioxane in Shallow Groundwater Zone
August 2021

USEPA, Region 9
AMCO Chemical Superfund Site
Oakland, California

ONEIDA Total Integrated Enterprises

Date: 11/5/2021

AMCO_2021 GW.dwg



LEGEND

- Dual Phase Extraction (DPE) Well
- Groundwater Monitoring Well
- Piezometer
- Former AMCO Chemical Facility Boundary
- 0.2U 1,4-Dioxane Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs
2) (*) Indicates well is screened through the shallow and intermediate zones.
3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.
4) Wells with no data shown were not sampled.
5) The highest detection is shown for field duplicate pair samples.
5) Screening level, based on based on California State Water Resources Control Board Division of Drinking Water Notification Level for 1,4-Dioxane is 1 ug/L.
6) ug/L = micrograms per liter
   ft bgs = feet below ground surface

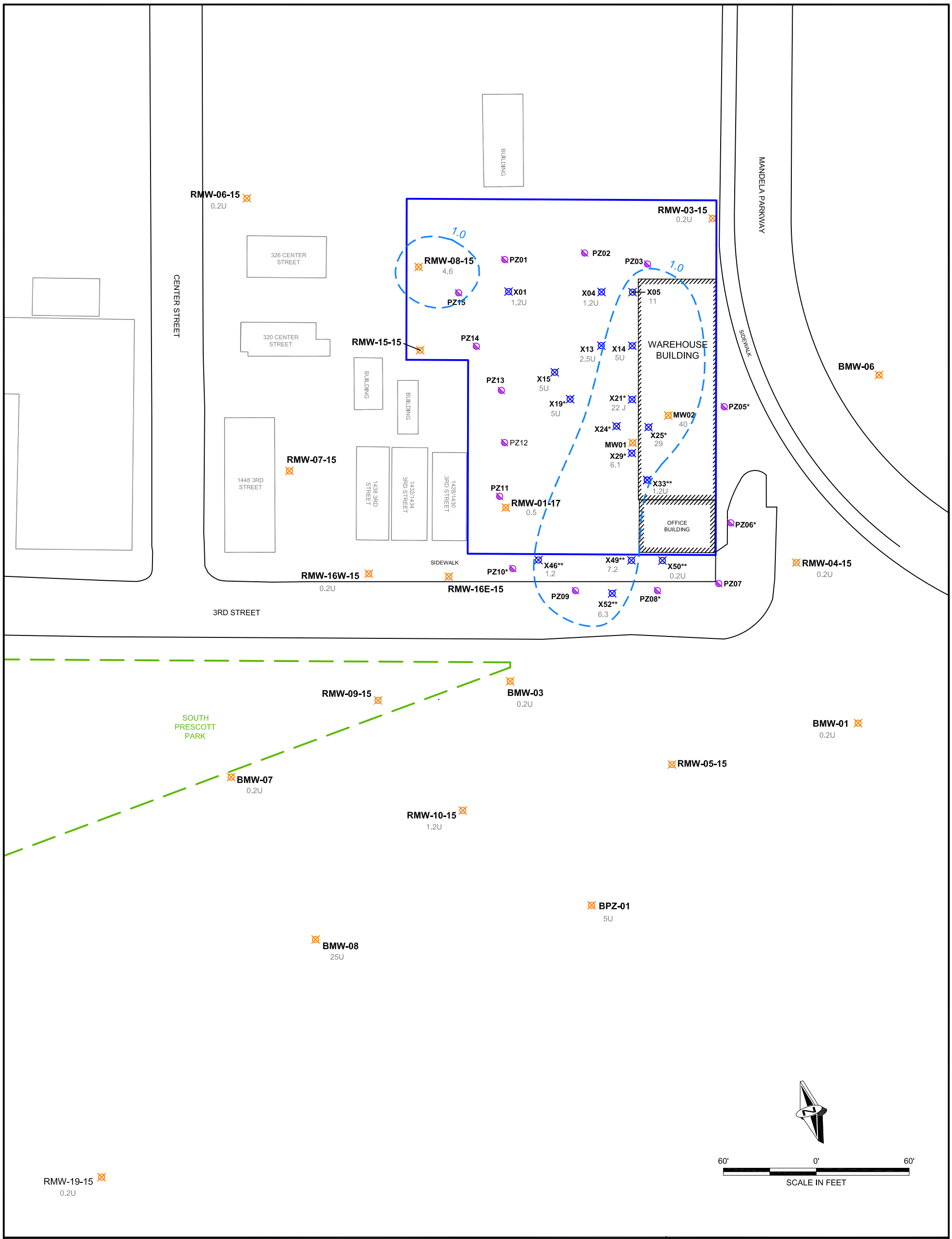
Figure 15
1,4-Dioxane in Intermediate Groundwater Zone
August 2021

USEPA, Region 9
AMCO Chemical Superfund Site
Oakland, California

ONEIDA Total Integrated Enterprises

Date: 11/5/2021

AMCO_2021 GW.dwg



LEGEND

- Dual Phase Extraction (DPE) Well
- Groundwater Monitoring Well
- Piezometer
- Former AMCO Chemical Facility Boundary
- 0.2U Benzene Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs
2) (*) Indicates well is screened through the shallow and intermediate zones.
3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.
4) Wells with no data shown were not sampled.
5) The highest detection is shown for field duplicate pair samples.
6) Screening level, based on California Maximum Contaminant Level (MCL) value, for Benzene is 1 ug/L.
7) ug/L = micrograms per liter
   ft bgs = feet below ground surface

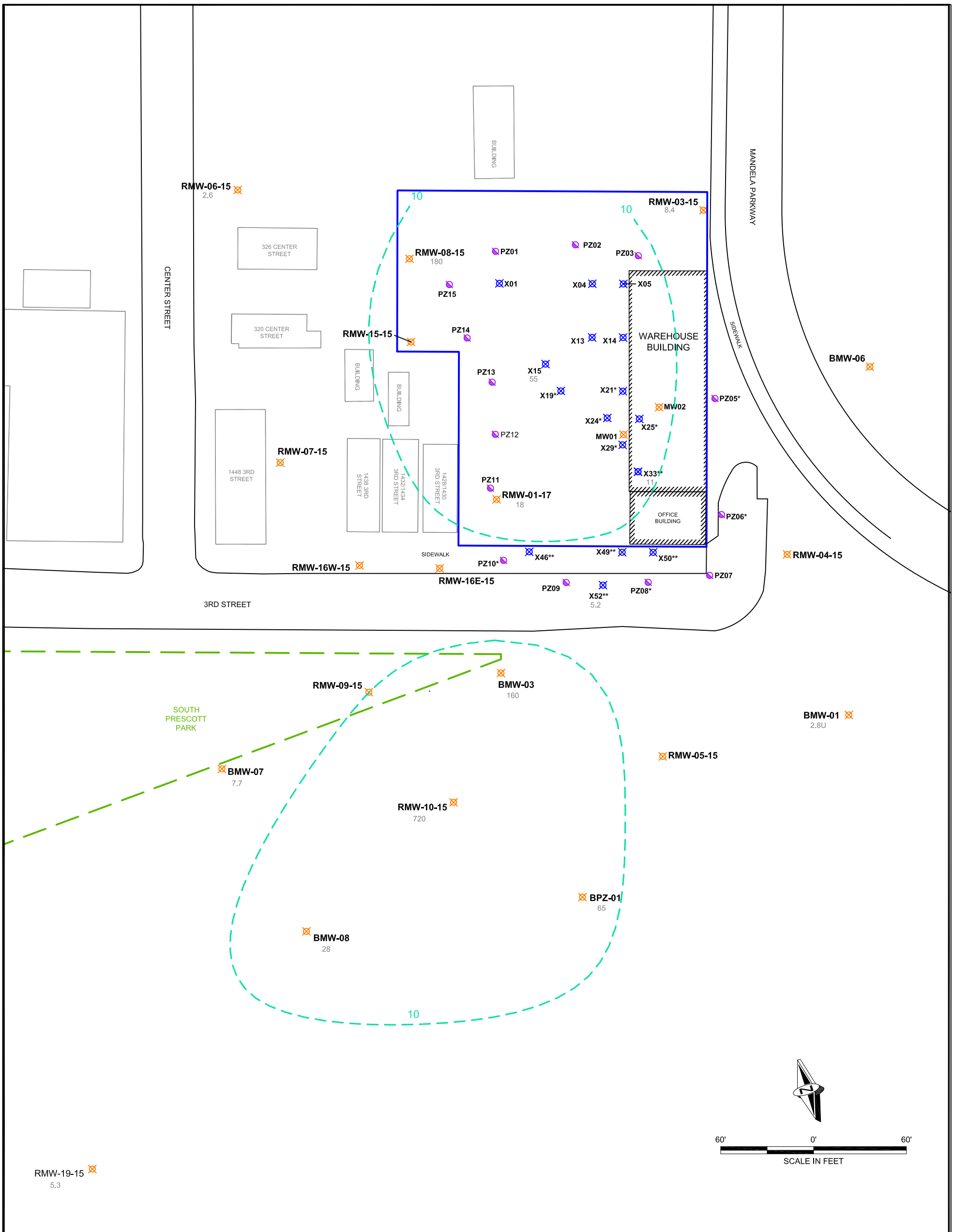
Figure 16
Benzene in Shallow Groundwater Zone
August 2021

USEPA, Region 9
AMCO Chemical Superfund Site
Oakland, California

ONEIDA Total Integrated Enterprises

Date: 11/5/2021

AMCO_2021 GW.dwg



LEGEND

- Dual Phase Extraction (DPE) Well
- Groundwater Monitoring Well
- Piezometer
- Former AMCO Chemical Facility Boundary
- 0.2U Arsenic Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs
2) (*) Indicates well is screened through the shallow and intermediate zones.
3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.
4) Wells with no data shown were not sampled.
5) The highest detection is shown for field duplicate pair samples.
6) Screening level, based on California Maximum Contaminant Level (MCL) value, for Arsenic is 10 ug/L.
7) ug/L = micrograms per liter
   ft bgs = feet below ground surface

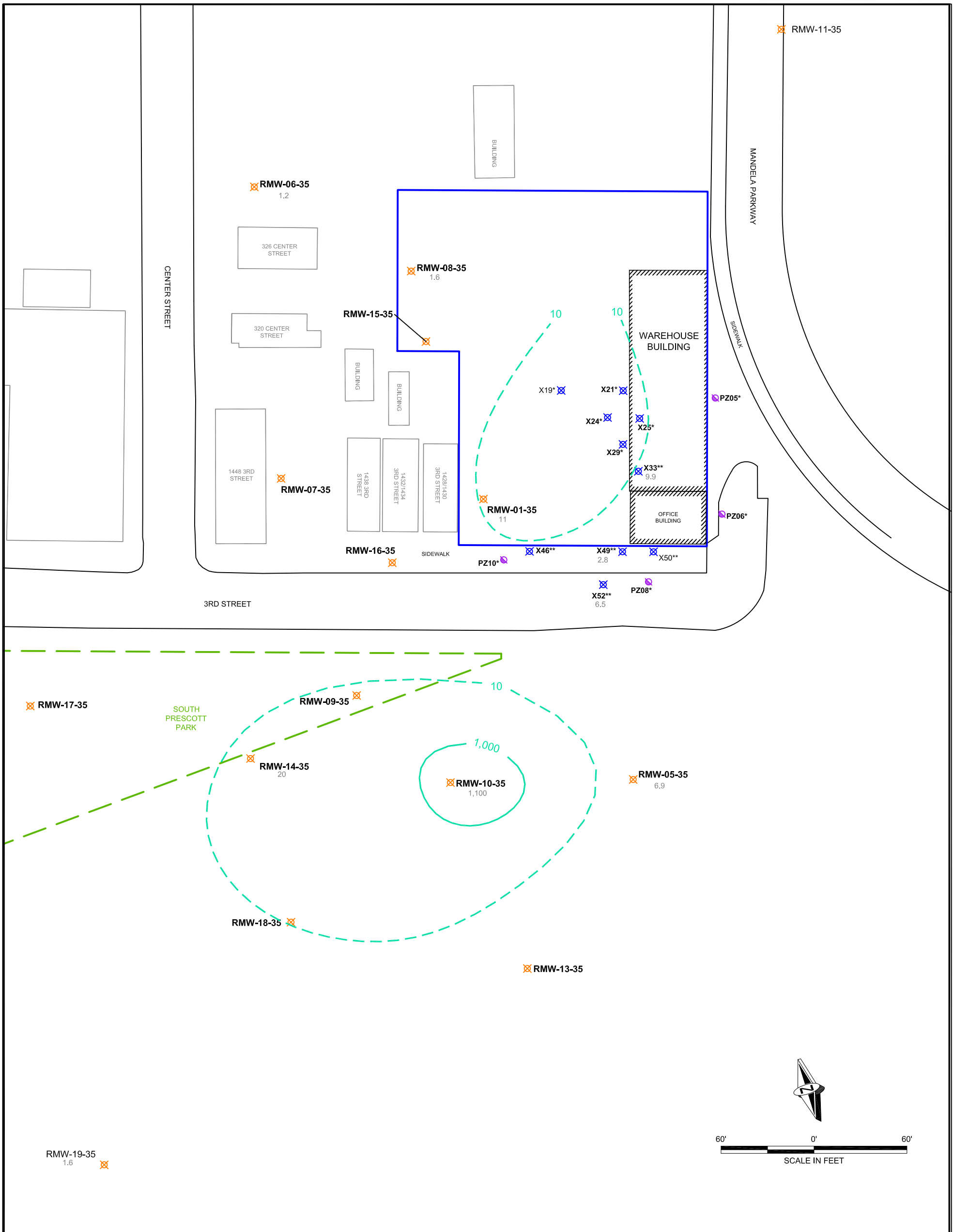
Figure 17
Dissolved Arsenic in Shallow Groundwater Zone
August 2021

USEPA, Region 9
AMCO Chemical Superfund Site
Oakland, California

ONEIDA Total Integrated Enterprises

Date: 11/5/2021

AMCO_2021 GW.dwg



LEGEND

- Dual Phase Extraction (DPE) Well
- Groundwater Monitoring Well
- Piezometer
- Former AMCO Chemical Facility Boundary
- 0.2U Arsenic Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs
2) (*) Indicates well is screened through the shallow and intermediate zones.
3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.
4) Wells with no data shown were not sampled.
5) The highest detection is shown for field duplicate pair samples.
6) Screening level, based on California Maximum Contaminant Level (MCL) value, for Arsenic is 10 ug/L.
7) ug/L = micrograms per liter
   ft bgs = feet below ground surface

Figure 18

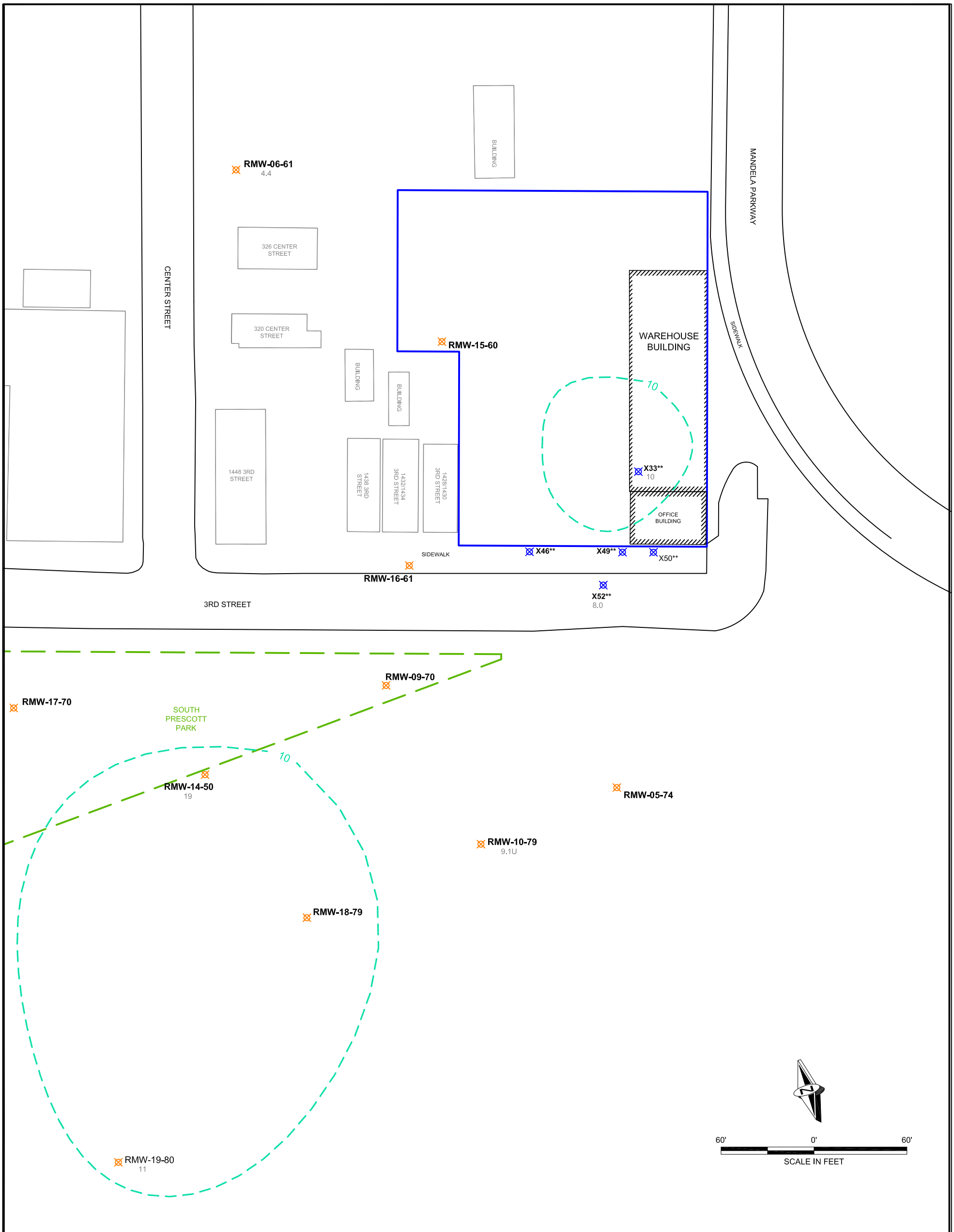
Dissolved Arsenic in Intermediate Groundwater Zone
August 2021

USEPA, Region 9
AMCO Chemical Superfund Site
Oakland, California

ONEIDA Total Integrated Enterprises

Date: 11/5/2021

AMCO_2021 GW.dwg



LEGEND

- Dual Phase Extraction (DPE) Well
- Groundwater Monitoring Well
- Piezometer
- Former AMCO Chemical Facility Boundary
- 0.2U Arsenic Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs
2) (*) Indicates well is screened through the shallow and intermediate zones.
3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.
4) Wells with no data shown were not sampled.
5) The highest detection is shown for field duplicate pair samples.
6) Screening level, based on California Maximum Contaminant Level (MCL) value, for Arsenic is 10 ug/L.
7) ug/L = micrograms per liter
   ft bgs = feet below ground surface

Figure 19
Dissolved Arsenic in Deep Groundwater Zone
August 2021

USEPA, Region 9
AMCO Chemical Superfund Site
Oakland, California

ONEIDA Total Integrated Enterprises

Date: 11/5/2021

AMCO_2021 GW.dwg

TABLES

Table 1
Groundwater Sample Details - August 2021
AMCO Chemical Superfund Site, Oakland, California

Sample Area	Sample Location	Screen Interval (ft bgs)	Screened Zone	Analysis			Comments
				VOCs 524.2	SVOCs 8270D	Dissolved Metals 200.7; 200.8	
ERH Area (Except Warehouse)	X-01	3-23	S	X	X	--	
	X-04	3-23	S	X	X	--	
	X-05	3-23	S	X	X	--	
	X-13	3-23	S	X	X	--	
	X-14	3-23	S	X	X	--	
	X-15	3-23	S	X	X	X	
	X-19	3-32	S/I	X	X	--	
	X-21	3-32	S/I	X	X	--	
	X-24	3-32	S/I	NS	NS	--	Access blocked
	X-29	3-32	S/I	X	X	--	
	MW-01	5-20	S	NS	NS	NS	Access blocked
Beneath Warehouse	MW-02	5-20	S	X	X	NS	inadvertently not sampled for metals
	X-25	3-32	S/I	X	X	--	
	X-33	3-47	S/I/D	X	X	X	sampled at three depth intervals
South Boundary	X-46	3-47	S/I/D	X	X	--	sampled at three depth intervals
	X-49	3-47	S/I/D	X	X	--	sampled at three depth intervals
	X-50	3-47	S/I/D	X	X	--	sampled at three depth intervals
	X-52	3-47	S/I/D	X	X	X	sampled at three depth intervals via low-flow and PDB sampling
Downgradient Dissolved Plume	BPZ-01	12-17	S	X	X	X	
	BMW-03	7-22	S	X	X	X	
	BMW-07	10-20	S	X	X	X	
	BMW-08	9.5-19.5	S	X	X	X	
	RMW-05-35	25-35	S/I	X	X	X	
	RMW-05-74	64-74	D	X	X	--	
	RMW-09-15	5-15	S	NS	NS	NS	Access blocked
	RMW-09-35	25-35	I	NS	NS	NS	Access blocked
	RMW-09-70	60-70	D	NS	NS	NS	Access blocked
	RMW-10-15	5-15	S	X	X	X	
	RMW-10-35	25-35	I	X	X	X	
	RMW-10-79	69-79	D	X	X	X	
	RMW-13-35	25-35	I	X	X	--	
	RMW-14-35	25-35	I	X	X	X	
	RMW-14-50	40-50	D	X	X	X	
	RMW-18-35	25-35	I	X	X	--	
	RMW-18-79	69-79	D	X	X	--	
	RMW-19-15	5-15	S	X	X	X	
	RMW-19-35	25-35	I	X	X	NS	inadvertently not sampled for metals
	RMW-19-80	70-80	D	X	X	X	
Upgradient	RMW-03-15	5-15	S	X	X	X	
	RMW-11-35	25-35	I	X	X	--	
Cross-Gradient	BMW-01	5-22	S	X	X	X	
	BMW-06	9-29	S/I	NS	NS	NS	Access blocked
	PZ-05	3-28	S/I	X	X	--	
	RMW-01-17	7-17	S	X	X	X	
	RMW-01-35	25-35	I	X	X	X	
	RMW-04-15	5-15	S	X	X	--	
	RMW-06-15	5-15	S	X	X	X	
	RMW-06-35	25-35	I	X	X	X	
	RMW-06-61	51-61	D	X	X	X	
	RMW-07-15	5-15	S	NS	NS	--	Access blocked
	RWM-07-35	25-35	I	NS	NS	--	Access blocked
	RMW-08-15	5-15	S	X	X	X	
	RMW-08-35	25-35	I	X	X	X	
	RMW-15-15	5-15	S	X	X	--	
	RMW-15-35	25-35	I	X	X	--	
	RMW-15-60	50-60	D	NS	NS	--	Unable to be sampled due to time constraints
	RMW-16W-15	5-15	S	X	X	--	
	RMW-16-35	25-35	I	X	X	--	
	RMW-16-60	51-61	D	X	X	--	
	RMW-17-35	25-35	I	X	X	--	
	RMW-17-70	60-70	D	X	X	--	

Notes

1. Dissovled metals analytes include arsenic, cobalt, iron, manganese, nickel, and selenium.
2. Well screen zones: S (shallow): 3-25 ft bgs; I (intermediate): 25-40 ft bgs; D (deep): 40-80 ft bgs.
3. ft bgs = feet below ground surface; NS = not sampled as field variance during August 2021 event; PDB = passive diffusion bag; SVOCs = semivolatile organic compounds; VOC = volatile organic compounds; X = sampled August 2021; "--" = not selected for sampling

Table 2
Groundwater Elevations - August 11-13, 2021
AMCO Chemical Superfund Site, Oakland, California

Well ID	Depth to Water (ft btoc)	Total Depth (ft btoc)	TOC elevation (ft amsl)	Groundwater Elevation (ft amsl)
X-01	5.50	24.3	--	--
X-04	6.17	24.4	11.41	5.24
X-05	6.46	--	11.73	5.27
X-13	6.00	--	11.18	5.18
X-14	5.23	23.5	10.43	5.20
X-15	5.75	--	10.87	5.12
X-19	5.50	--	10.64	5.14
X-21	5.10	--	10.28	5.18
X-25	7.51	--	12.67	5.16
X-29	4.85	--	10.02	5.17
X-33	7.58	--	12.72	5.14
X-46	3.78	45.9	8.86	5.08
X-49	3.62	41.8	8.78	5.16
X-50	3.80	--	8.95	5.15
X-52	3.68	46.9	8.68	5.00
BPZ-01	7.19	17.8	12.61	5.42
BMW-01	6.60	21.9	11.50	4.90
BMW-03	8.72	25.5	13.54	4.82
BMW-07	8.51	22.9	13.14	4.63
BMW-08	8.88	21.7	13.16	4.28
MW-02	7.15	18.6	12.28	5.13
RMW-01-17	9.25	19.8	13.64	4.39
RMW-01-35	9.36	38.8	14.30	4.94
RMW-03-15	4.10	15.1	10.00	5.90
RMW-04-15	8.68	18.4	12.82	4.14
RMW-05-35	3.72	35.3	8.59	4.87
RMW-05-74	4.11	74.4	8.70	4.59
RMW-06-15	5.98	15.2	10.47	4.49
RMW-06-35	4.99	33.1	10.80	5.81
RMW-06-61	5.06	60.0	10.56	5.50
RMW-08-15	9.50	18.0	14.61	5.11
RMW-08-35	9.60	38.1	14.60	5.00
RMW-10-15	8.87	18.5	12.89	4.02
RMW-10-35	12.00	13.1	12.75	0.75
RMW-10-79	9.37	81.8	12.13	2.76
RMW-11-35	4.92	34.8	8.25	3.33
RMW-13-35	9.05	37.8	13.08	4.03
RMW-14-35	8.58	35.8	13.26	4.68
RMW-14-50	8.91	53.4	13.56	4.65
RMW-15-15	9.00	17.4	13.98	4.98
RMW-15-35	8.70	37.1	13.90	5.20
RMW-16W-15	3.85	14.5	9.16	5.31
RMW-16-35	3.97	34.5	9.19	5.22
RMW-16-61	4.00	58.1	9.24	5.24
RMW-17-35	4.77	34.3	9.53	4.76
RMW-17-70	4.95	68.8	9.68	4.73
RMW-18-35	6.46	38.4	12.77	6.31
RMW-18-79	9.55	76.6	12.87	3.32
RMW-19-15	8.06	17.8	13.41	5.35
RMW-19-35	8.45	37.1	13.40	4.95
RMW-19-80	10.52	82.2	13.61	3.09

Notes:

1. ft - feet; ft amsl - feet above mean sea level; ID - identification; TOC - top of casing; "--" - not available

Table 3
Detected VOCs in Groundwater - August 2021
AMCO Chemical Superfund Site, Oakland, California

Station ID	Sample ID	Sample Date	Sample Type	Screen Interval (ft bgs)	Sample Depth (ft bgs)	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2-Butanone	2-Chlorotoluene	Acetone	Benzene	Bromodichloromethane	Chlorobenzene	Chloroethane	Chloroform	Chloromethane
					Federal MCLs[1]	200	--	7	--	--	600	0.5	--	210	75	--	--	--	5	--	100	--	--	--
					California MCLs[2]	200	5	6	--	--	600	0.5	--	210	5	--	--	--	1	--	70	--	--	--
					California PHGs[2] / NLs[3]	--	--	--	--	330	--	--	330	--	--	--	0.5	--	--	1	--	--	0.4	--
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
BMW-01	AMCO-BMW-01-081221	8/12/2021	N	5-22	14	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	**6J**	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
BMW-03	AMCO-BMW-03-081221	8/12/2021	N	7-22	10	0.2U	**24**	0.2U	0.2U	0.2U	2.4U	**0.6J**	0.2U	2.4U	2.4U	2U	0.2U	2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
	AMCO-DUP5-081221	8/12/2021	FD			0.2U	**19**	**0.8J**	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	**6.8J**	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
BMW-07	AMCO-BMW-07-081221	8/12/2021	N	10-20	15	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
BMW-08	AMCO-BMW-08-081221	8/12/2021	N	9.5-19.5	15	25U	25U*	25U*	25U	25U	25U	25U*	25U	25U	25U*	200U	25U*	**2200**	25U*	25U*	25U	25U	25U*	25U
BPZ-01	AMCO-BPZ-01-081221	8/12/2021	N	12-17	15	5U	5U	5U	5U	5U	5U	5U*	5U	5U	5U	40U	5U*	40U	5U*	5U*	5U	5U	5U*	5U
	AMCO-DUP4-081221	8/12/2021	FD			5U	5U	5U	5U	5U	5U	5U*	5U	5U	5U	40U	5U*	40U	5U*	5U*	5U	5U	5U*	5U
MW-02	AMCO-MW-02-081321	8/13/2021	N	5-20	10	1.2U	1.2U	1.2U	1.2U	**210**	**34**	1.2U	**1.8J**	4.8U	4.8U	10U	1.2U*	10U	**40**	1.2U*	**66**	**63**	1.2U	1.2U
RMW-01-17	AMCO-RMW-01-17-081321	8/13/2021	N	7-17	13	0.2U	**0.6**	0.2U	0.2U	**4.6**	**7.3**	0.2U	0.2U	**2.8**	**4.2**	2U	0.2U	3.5U	**0.5**	0.2U	**93**	0.2U	0.2U	0.2U
RMW-01-35	AMCO-RMW-01-35-081321	8/13/2021	N	25-35	30	1.2U	1.2U	1.2U	1.2U	1.2U	**9.8**	1.2U	1.2U	5U	5U	10U	1.2U*	10U	1.2U*	1.2U*	**3.5**	1.2U	1.2U	1.2U
RMW-03-15	AMCO-RMW-03-15-081321	8/13/2021	N	5-15	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
RMW-04-15	AMCO-RMW-04-15-081221	8/12/2021	N	5-15	12	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	**3.8J**	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
RMW-05-35	AMCO-RMW-05-35-081221	8/12/2021	N	25-35	30	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	**5.5**	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
RMW-05-74	AMCO-RMW-05-74-081221	8/12/2021	N	64-74	69	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	2U	0.2U	0.2U	0.2U	0.2U	**0.9J**	0.2U
RMW-06-15	AMCO-RMW-06-15-081121	8/11/2021	N	5-15	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	3.7U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
RMW-06-35	AMCO-RMW-06-35-081121	8/11/2021	N	25-35	30	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
RMW-06-61	AMCO-RMW-06-61-081121	8/11/2021	N	51-61	56	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
RMW-08-15	AMCO-RMW-08-15-081321	8/13/2021	N	5-15	12	0.2U	0.2U	0.2U	0.2U	0.2U	**5.1**	0.2U	0.2U	**0.7**	**6.1**	2U	0.2U	2.5U	**4.6**	0.2U	**1100**	0.2U	0.2U	0.2U
RMW-08-35	AMCO-RMW-08-35-081321	8/13/2021	N	25-35	30	0.2U	0.2U	0.2U	0.2U	0.2U	**6.5**	0.2U	0.2U	0.5U	**1.2**	2U	0.2U	2U	**1.0**	0.2U	**180**	0.2U	0.2U	0.2U
RMW-10-15	AMCO-RMW-10-15-081221	8/12/2021	N	5-15	10	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U*	1.2U	1.2U	1.2U	10U	1.2U*	10U	1.2U	1.2U*	1.2U	1.2U	1.2U*	1.2U
RMW-10-35	AMCO-DUP6-081221	8/12/2021	FD	25-35	30	1.2U	**92**	1.2U	**5.0**	1.2U	2.3U	1.2U*	1.2U	2.3U	2.3U	10U	1.2U*	**38J**	**2.4J**	1.2U*	1.2U	1.2U	1.2U*	**2J**
	AMCO-RMW-10-35-081221	8/12/2021	N			1.2U	**120J**	1.2U	**5.0**	1.2U	9.4U	1.2U*	1.2U	9.4U	9.4U	10U	1.2U*	**25**	**2.8**	1.2U*	1.2U	1.2U	1.2U*	1.2U
RMW-10-79	AMCO-RMW-10-79-081221	8/12/2021	N	69-79	74	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	2U	0.2U	0.2U	0.2U	0.2U	**0.8J**	0.2U
RMW-11-35	AMCO-RMW-11-35-081321	8/13/2021	N	25-35	30	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
RMW-13-35	AMCO-RMW-13-35-081221	8/12/2021	N	25-35	30	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
RMW-14-35	AMCO-RMW-14-35-081221	8/12/2021	N	25-35	30	0.2U	**1.1**	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
RMW-14-50	AMCO-RMW-14-50-081221	8/12/2021	N	40-50	45	0.2U	**0.6**	**0.9**	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	**2.3J**	**0.2J**	0.2U	0.2U	0.2U	0.2U	0.2U
RMW-15-15	AMCO-RMW-15-15-081321	8/13/2021	N	5-15	12	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	2.3U	0.2U	0.2U	**0.6**	0.2U	0.2U	0.2U
RMW-15-35	AMCO-RMW-15-35-081321	8/13/2021	N	25-35	30	0.2U	**0.3J**	0.2U	0.2U	0.2U	**1.0**	0.2U	0.2U	0.5U	0.5U	2U	0.2U	2.8U	0.2U	0.2U	**3.2**	0.2U	0.2U	0.2U
RMW-16-35	AMCO-RMW-16-35-081121	8/11/2021	N	25-35	30	0.2U	**1.8**	0.2U	0.2U	0.2U	**0.8**	0.2U	0.2U	0.5U	0.5U	2U	0.2U	2U	0.2U	0.2U	**0.9**	0.2U	0.2U	0.2U
RMW-16-61	AMCO-RMW-16-61-081121	8/11/2021	N	51-61	56	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	2U	0.2U	**0.4J**	0.2U	0.2U	**10**	0.2U
RMW-16W-15	AMCO-RMW-16W-15-081121	8/11/2021	N	5-15	10	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
	Dup 8-081121	8/11/2021	FD			0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
RMW-17-35	AMCO-RMW-17-35-081121	8/11/2021	N	25-35	30	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
RMW-17-70	AMCO-RMW-17-70-081121	8/11/2021	N	60-70	65	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	2U	0.2U	0.2U	0.2U	0.2U	**11**	0.2U
RMW-18-35	AMCO-RMW-18-35-081221	8/12/2021	N	25-35	30	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
RMW-18-79	AMCO-RMW-18-79-081221	8/12/2021	N	69-79	74	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	**8.6**	0.2U	0.2U	0.2U	0.2U	**0.7J**	0.2U
RMW-19-15	AMCO-RMW-19-15-081221	8/12/2021	N	5-15	12	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	**4.0 J**	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
RMW-19-35	AMCO-RMW-19-35-081221	8/12/2021	N	25-35	30	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	**2.8 J**	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
RMW-19-80	AMCO-RMW-19-80-081221	8/12/2021	N	70-80	75	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
X01	AMCO-X-01-081321	8/13/2021	N	3-23	10	1.2U	1.2U	1.2U	1.2U	1.2U	5U	1.2U*	**1.3J**	5U	5U	10U	1.2U*	10U	1.2U*	1.2U*	**2.8**	1.2U	1.2U*	1.2U
X04	AMCO-X-04-081321	8/13/2021	N	3-23	10	1.2U	1.2U	1.2U	1.2U	**6.6**	5U	1.2U*	1.2U	5U	5U	10U	1.2U*	10U	1.2U*	1.2U*	1.2U	1.2U	1.2U*	1.2U
X05	AMCO-DUP1-081321	8/13/2021	FD	3-23	13	1.2U	**24**	1.2U	1.2U	**110**	**190**	1.2U*	**64**	9.5U	**34**	10U	1.2U*	10U	**11**	1.2U*	**10**	1.2U	1.2U*	1.2U
	AMCO-X-05-081321	8/13/2021	N			1.2U	**21**	1.2U	1.2U	**92**	**220**	1.2U*	**54**	9.5U	**29**	10U	1.2U*	10U	**10**	1.2U*	**8.8**	1.2U	1.2U*	1.2U
X13	AMCO-X-13-081321	8/13/2021	N	3-23	10	2.5U	2.5U	2.5U	2.5U	**2.8J**	4.7U	2.5U*	2.5U	4.7U	4.7U	20U	2.5U*	20U	2.5U*	2.5U*	2.5U	3.6J	2.5U*	2.5U
X14	AMCO-X-14-081321	8/13/2021	N	3-23	10	5U	5U	5U	5U	**26**	**28J**	5U*	**7.0 J**	5U	5U	40U	5U*	**240**	5U*	5U*	**27**	5U	5U*	5U
X15	AMCO-X-15-081321	8/13/2021	N	3-23	10	5U	5U	5U	5U	**28**	**27J**	5U*	**9.8J**	5U	**7.2J**	40U	5U*	40U	5U*	5UJ*	5U	5U	5U*	5U
X19	AMCO-X-19-081321	8/13/2021	N	3-32	10	5U	5U	5U	5U	**15**	**15**	5U*	5U	5U	5U	**380**	5U*	**1800**	5U*	5U*	5U	5U	5U*	5U
X21	AMCO-X-21-081321	8/13/2021	N	3-32	10	12U	12U*	12U*	12U	**160**	**16J**	12U	**43**	4.7U	4.7U	100U	12U*	100UJ	**22J**	12U*	12U	12U	12U*	12U
X25	AMCO-DUP3-081321	8/13/2021	FD	3-32	10	5U	**28J**	**6.4J**	5U	**220**	**69**	5U*	**75**	5U	**5.0 J**	**330**	5U*	**580**	**29**	5U*	**33**	5U	5U*	5U
	AMCO-X-25-081321	8/13/2021	N			12U	**28J**	12U*	12U	**190**	**62**	12U*	**63**	5U	5U	100U	12U*	**630**	**27**	12U*	**30**	12U	12U*	12U
X29	AMCO-DUP2-081321	8/13/2021	FD	3-32	10	1.2U	**1.9J**	**31**	1.2U	**140**	**5.3**	1.2U	**38**	4.8U	4.8U	10U	1.2U*	**190J**	**5.3**	1.2U*	**1.6J**	1.2U	1.2U*	1.2U
	AMCO-X-29-081321	8/13/2021	N			0.2U	**2.2**	**36**	0.2U	**120**	**6.2**	0.2U	**35**	5U	5U	2U	0.2U	**170J**	**6.1**	0.2U	**2.0**	0.2U	0.2U	0.2U
X33	AMCO-X-33-081321-D	8/13/2021	N	3-47	45	1.2U	1.2U	**2.6**	1.2U	1.2U	**4.8**	1.2U*	**2.2J**	2.5U	2.5U	10U	1.2U*	10U	1.2U*	1.2U*	1.2U	1.2U	1.2U*	1.2U
	AMCO-X-33-081321-I	8/13/2021	N		30	1.2U	1.2U	**2.6**	1.2U	1.2U	**5.2**	1.2U*	**2.6**	2.5U	2.5U	10U	1.2U*	10U	1.2U*	1.2U*	1.2U	1.2U	1.2U*	1.2U
	AMCO-X-33-081321-S	8/13/2021	N		10	1.2U	1.2U	**2.6**	1.2U	**1.5J**	**5.8**	1.2U*	**3.2**	2.5U	2.5U	10U	1.2U*	10U	1.2U*	1.2U*	1.2U	1.2U	1.2U*	1.2U
X46	AMCO-X-46-081121-D	8/11/2021	N	3-47	45	0.2U	**1.0**	0.2U	0.2U	0.2U	**3.6**	0.2U	0.2U	0.5U	0.5U	2U	0.2U	2.6U	**0.9**	0.2U	**0.7**	0.2U	0.2U	0.2U
	AMCO-X-46-081121-I	8/11/2021	N		30	0.2U	**1.2**	0.2U	0.2U	0.2U	**4.0**	0.2U	0.2U	0.5U	**0.6**	2U	0.2U	**7.6**	**1.0**	0.2U	**0.8**	0.2U	0.2U	0.2U
	AMCO-X-46-081121-S	8/11/2021	N		10	0.2U	**1.5**	0.2U	0.2U	0.2U	**4.7**	0.2U	0.2U	0.5U	**0.6**	2U	0.2U	**4.7**	**1.2**	0.2U	**1.0**	0.2U	0.2U	0.2U
X49	AMCO-X-49-081121-D	8/11/2021	N	3-47	45	1.2U	**4.2**	1.2U	1.2U	**62**	**7.9**	1.2U*	1.2U	2.5U	2.5U	10U	1.2U*	10U	**7.6**	1.2U*	**1.8J**	1.2U	1.2U*	1.2U
	AMCO-X-49-081121-I	8/11/2021	N		30	1.2U	**4.6J**	1.2U	1.2U	**59**	**7.0 J**	1.2U*	**1.2J**	1.2U	1.2U	10UJ	**21J**	10U	**7.2**	1.2U*	**1.6J**	1.2U	1.2U*	1.2U
	AMCO-X-49-081121-S	8/11/2021	N		10	0.2U	**3.9**	0.2U	**0.2J**	**66**	**7.3**	0.2U	**5.4**	2.4U	2.4U	2U	0.2U	2U	**7.2**	0.2U	**1.8**	**2.9**	0.2U	0.2U
X50	AMCO-X-50-D-081121	8/11/2021	N	3-47	45	0.2U	0.2U	0.2U	0.2U	0.2U	10U	**0.3J**	0.2U	10U	10U	2U	0.2U	2.1U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
	AMCO-X-50-I-081121	8/11/2021	N		30	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
	AMCO-X-50-S-081121	8/11/2021	N		10	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U	0.2U	0.2U	0.5U	0.5U	2U	0.2U	**4.1**	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U
X52	AMCO-X-52-081321-D	8/13/2021	N	3-47	45	**5.7**	**36**	**1.1**	0.2U	0.2U	0.5U	**0.4J**	0.2U	0.5U	0.5U	2U	0.2U	2U	**1.8**	0.2U	**0.3J**	**21**	0.2U	0.2U
	AMCO-X-52-081321-PDB-D	8/13/2021	N		45	**9**	**60**	**1.3**	0.2U	**0.5**	**0.6**	0.2U	**0.3J**	0.2U	0.2U	2U	0.2U	2.4U	**2.0**	0.2U	**0.5J**	**14**	0.2U	0.2U
	AMCO-X-52-081321-I	8/13/2021	N		30	**13**	**74**	**1.8**	0.2U	0.2U	**0.8**	**0.4J**	0.2U	0.5U	0.5U	2U	0.2U	2U	**3.6**	0.2U	**0.7**	**32**	0.2U	0.2U
	AMCO-X-52-081321-PDB-I	8/13/2021	N		30	**13**	**69**	**1.8**	0.2U	**0.6**	**0.8**	0.2U	**0.4J**	0.2U	0.2U	2U	0.2U	2.6U	**2.6**	0.2U	**0.6**	**19**	0.2U	0.2U
	AMCO-X-52-081321-S	8/13/2021	N		10	**24**	**120J**	**3.8**	0.2U	**1.6**	**1.5**	**0.6**	**1.0**	0.5U	0.5U	2U	0.2U	3.6U	**6.3**	0.2U	**1.2**	**30**	0.2U	0.2U
	AMCO-X-52-081321-PDB-S	8/13/2021	N		10	**17**	**98**	**2.2**	0.2U	0.2U	**1.4**	0.2U	**0.4J**	0.2U	0.3J	2U	0.2U	2U	**4.6**	0.2U	**1.0**	**28**	0.2U	0.2U

Station ID	Sample ID	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Methyl Tert-Butyl Ether	Methylene chloride	Naphthalene	N-Butylbenzene	N-Propylbenzene	o-Xylene	p-Isopropyltoluene	Sec-Butylbenzene	Styrene	T-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Vinyl chloride	Xylenes, m & p
	Federal MCLs[1]	70	700	--	--	--	--	--	--	10,000	--	--	100	--	5	1,000	100	--	5	2	10,000
	California MCLs[2]	6	300	--	13	--	--	--	--	1,750	--	--	100	--	5	150	10	0.5	5	0.5	1,750
	California PHGs[2] / NLs[3]	--	--	770	--	0.5	17	260	260	--	--	260	--	0.5	--	--	--	--	--	--	--
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
BMW-01	AMCO-BMW-01-081221	0.2U	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.5J	0.2U	0.2U	0.2U	0.2U	0.5U
BMW-03	AMCO-BMW-03-081221	**24**	0.2U	0.2U	1U	0.2U	2.4U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	**0.6J**	0.2U	**1.6**	**1.2**	0.5U
	AMCO-DUP5-081221	**23**	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	**1.5**	**0.8J**	0.5U
BMW-07	AMCO-BMW-07-081221	0.2U	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	**0.3J**	0.2U	0.2U	0.2U	0.2U	0.5U
BMW-08	AMCO-BMW-08-081221	25U*	25U	25U	100U*	25U*	25U*	25U	25U	25U	25U	25U	25U	25U*	25U*	25U	25U	25U*	25U*	25U*	50U
BPZ-01	AMCO-BPZ-01-081221	5U	5U	5U	20U	5U*	5U	5U	5U	5U	5U	5U	5U	5U*	5U	5U	5U	5U*	5U	5U*	10U
	AMCO-DUP4-081221	5U	5U	5U	20U	5U*	5U	5U	5U	5U	5U	5U	5U	5U*	5U	5U	5U	5U*	5U	5U*	10U
MW-02	AMCO-MW-02-081321	1.2U	120	**23**	5U	1.2U	**84**	**3.6**	**37**	1.2U	**5.6**	**5.2**	1.2U	1.2U*	1.2U	1.2U	1.2U	1.2U*	1.2U	**1.6J**	2.5U
RMW-01-17	AMCO-RMW-01-17-081321	**0.7**	**0.8**	**6.1**	1U	0.2U	**1.0 J**	**2.4**	**11**	**0.4J**	**0.6**	**4.5**	0.2U	**0.6**	0.2U	**0.7**	0.2U	0.2U	0.2U	0.2U	**1.1**
RMW-01-35	AMCO-RMW-01-35-081321	**15**	1.2U	1.2U	5U	1.2U	5U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	**1.6J**	1.2U	1.2U*	1.2U	**8.8**	2.5U
RMW-03-15	AMCO-RMW-03-15-081321	0.2U	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U
RMW-04-15	AMCO-RMW-04-15-081221	0.2U	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U
RMW-05-35	AMCO-RMW-05-35-081221	0.2U	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U
RMW-05-74	AMCO-RMW-05-74-081221	0.2U	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U
RMW-06-15	AMCO-RMW-06-15-081121	0.2U	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U
RMW-06-35	AMCO-RMW-06-35-081121	0.2U	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U
RMW-06-61	AMCO-RMW-06-61-081121	0.2U	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U
RMW-08-15	AMCO-RMW-08-15-081321	**1.4**	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	**0.5**	0.2U	0.2U	**1.1**	0.5U
RMW-08-35	AMCO-RMW-08-35-081321	**26**	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	**5.4**	0.2U	**2.3**	0.2U	**16**	**0.6**	0.5U
RMW-10-15	AMCO-RMW-10-15-081221	**290**	1.2U	1.2U	5U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	**7.2**	**2.2J**	**2.2J**	1.2U	2.5U
RMW-10-35	AMCO-DUP6-081221	**62**	1.2U	1.2U	5U	1.2U	2.3U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	**10**	1.2U	**12**	**280**	2.5U
	AMCO-RMW-10-35-081221	**65**	1.2U	1.2U	5U	1.2U	9.4U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	**1.8J**	**13**	1.2U	**14J**	**270**	2.5U
RMW-10-79	AMCO-RMW-10-79-081221	0.2U	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U
RMW-11-35	AMCO-RMW-11-35-081321	0.2U	**0.3J**	0.2U	**1J**	0.2U	0.5U	0.2U	0.2U	0.3J	0.2U	0.2U	0.2U	0.2U	0.2U	**1.3**	0.2U	0.2U	0.2U	0.2U	**0.9J**
RMW-13-35	AMCO-RMW-13-35-081221	0.2U	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U
RMW-14-35	AMCO-RMW-14-35-081221	**2.2**	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	**1.0 J**	0.2U	0.2U	**2.0**	**0.9**	**0.7J**
RMW-14-50	AMCO-RMW-14-50-081221	**21**	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	**0.6**	0.4J	**51**	**0.4J**	0.5U
RMW-15-15	AMCO-RMW-15-15-081321	0.2U	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U
RMW-15-35	AMCO-RMW-15-35-081321	**12**	0.2U	0.2U	**3.5**	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	**0.9**	0.2U	**1.4**	0.2U	**4.2**	**0.4J**	0.5U
RMW-16-35	AMCO-RMW-16-35-081121	**4.5**	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	**2.6**	0.2U	0.2U	0.2U	**3.0**	**3.0**	0.5U
RMW-16-61	AMCO-RMW-16-61-081121	0.2U	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U
RMW-16W-15	AMCO-RMW-16W-15-081121	0.2U	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U
	Dup 8-081121	0.2U	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U
RMW-17-35	AMCO-RMW-17-35-081121	**3.1**	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	**22**	0.2U	0.5U
RMW-17-70	AMCO-RMW-17-70-081121	0.2U	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U
RMW-18-35	AMCO-RMW-18-35-081221	0.2U	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U
RMW-18-79	AMCO-RMW-18-79-081221	0.2U	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U
RMW-19-15	AMCO-RMW-19-15-081221	0.2U	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	**0.9J**	0.2U	0.2U	0.2U	0.2U	0.5U
RMW-19-35	AMCO-RMW-19-35-081221	0.2U	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	**0.9J**	0.2U	0.2U	0.2U	0.2U	0.5U
RMW-19-80	AMCO-RMW-19-80-081221	0.2U	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U
X01	AMCO-X-01-081321	1.2U	1.2U	1.2U	5U	1.2U*	5U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U*	1.2U	1.2U	1.2U	1.2U*	1.2U	1.2U*	2.5U
X04	AMCO-X-04-081321	**1.2J**	1.2U	1.2U	5U	1.2U*	**17**	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U	1.2U*	1.2U	1.4U	1.2U	1.2U*	1.2U	1.2U*	2.5U
X05	AMCO-DUP1-081321	**300**	**47**	**4.0**	5U	1.2U*	**130**	**12**	**9.6**	**130**	**25**	**3.9**	1.2U	1.2U*	**95**	**30**	**3.9**	1.2U	**100**	**3.5**	**110**
	AMCO-X-05-081321	**390**	**42**	**3.5**	5U	1.2U*	**160**	**9.4**	**8.2**	**150**	**20**	**3.2**	1.2U	1.2U*	**110**	**26**	**3.0**	1.2U	**120**	**3.0**	**95**
X13	AMCO-X-13-081321	**5.6**	2.5U	2.5U	10U	2.5U*	**8.5J**	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U*	2.5U	**5.2**	2.5U	2.5U*	2.5U	2.5U*	5U
X14	AMCO-X-14-081321	**1,000**	**14**	5U	20U*	5U*	**49**	5U	5U	**21**	5U	5U	5U	5U*	5U	**58**	5U	5U*	5U	5U*	**53**
X15	AMCO-X-15-081321	**17**	5U	5U	20U*	5U*	**78**	5U	5U	5U	6J	5U	5U	5U*	5U	6.4U	5U	5UJ*	5UJ	5U*	10U
X19	AMCO-X-19-081321	**27**	**10**	5U	20U*	5U*	**370**	5U	5U	26	5U	5U	5U	5U*	5U	**70**	5U	5U*	5U	5U*	**43**
X21	AMCO-X-21-081321	**4,800**	**99**	12U	50U*	**16J**	**160**	12U	**14J**	**140**	**28**	12U	12U	12U*	12U*	**2,300**	**13J**	12U*	12U*	**100**	**330**
X25	AMCO-DUP3-081321	**6,500**	**89**	**11**	20U*	5U*	**140**	**8J**	**25**	**230**	**38**	**5.2J**	**6.4J**	5U*	5U	**5,100**	**80J**	5UJ*	**12J**	**190**	**400**
	AMCO-X-25-081321	**6,300**	**77**	12U	50U*	12U*	**120**	12U	**21J**	**200**	**31**	12U	12U	12U*	12U*	**4,500**	**52**	12U*	12U*	**200**	**340**
X29	AMCO-DUP2-081321	**2,200**	**23**	**5.2**	5U	1.2U*	**89**	**6.8**	**14**	**78**	**30**	**4.6**	1.2U	1.2U*	1.2U	**420**	**2.8J**	1.2U*	**1.9J**	**33**	**96**
	AMCO-X-29-081321	**2,200**	**22**	**6.0**	**2.0**	0.2U	**79**	**8.6**	**16**	**78**	**25**	**5.4**	**2.7**	0.2U	**1.4**	**400**	**5.4**	0.2U	**2.0**	**40**	**93**
X33	AMCO-X-33-081321-D	**79**	**4.6**	**1.4J**	**6J**	1.2U*	**2.8**	**1.4J**	**3.2**	1.2U	**3.2**	1.2U	1.2U	1.2U*	1.2U	1.2U	1.2U	1.2U*	**8.5**	**1.5J**	2.5U
	AMCO-X-33-081321-I	**82**	**5.0**	**1.5J**	**5.4J**	1.2U*	**4.6**	**1.5J**	**3.6**	1.2U	**4.2**	1.2U	1.2U	1.2U*	1.2U	1.2U	1.2U	1.2U*	**9.0**	**1.6J**	2.5U
	AMCO-X-33-081321-S	**80**	**5.8**	**1.7J**	**5.8J**	1.2U*	**4.8**	**2.0 J**	**4.4**	**1.4J**	**4.9**	**1.5J**	1.2U	1.2U*	1.2U	1.2U	1.2U	1.2U*	**9.2**	**1.5J**	2.5U
X46	AMCO-X-46-081121-D	**6.1**	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	**3.5**	0.5U
	AMCO-X-46-081121-I	**6.9**	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	**3.8**	0.5U
	AMCO-X-46-081121-S	**8.6**	0.2U	0.2U	1U	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	**0.3J**	**4.9**	0.5U
X49	AMCO-X-49-081121-D	**1.6J**	1.2U	**5.6**	5U	1.2U*	**25**	**2.6**	**12**	**3.4**	**15**	**2.8**	1.2U	1.2U*	1.2U	1.2U	**2.8**	1.2U*	1.2U	**6.0**	**12**
	AMCO-X-49-081121-I	**2.3J**	1.2U	**5.3**	5U	1.2U*	**22J**	**2.4J**	**12**	**3.4**	**14**	**2.6**	1.2U	1.2U*	1.2U	1.2U	**3.0**	1.2U*	1.2U	**7.2J**	**12**
	AMCO-X-49-081121-S	**5.0**	**1.9**	**6.2**	1U	0.2U	**25**	**3.2**	**14**	**4.3**	**20**	**3.1**	0.2U	**0.6**	0.2U	**0.4J**	**2.8**	0.2U	**0.4J**	**7.5**	**15**
X50	AMCO-X-50-D-081121	0.2U	0.2U	0.2U	**14**	0.2U	10U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U
	AMCO-X-50-I-081121	0.2U	0.2U	0.2U	**16**	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U
	AMCO-X-50-S-081121	0.2U	0.2U	0.2U	**15**	0.2U	0.5U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.2U	0.5U
X52	AMCO-X-52-081321-D	**120**	**0.3J**	0.2U	**14**	0.2U	0.5U	0.2U	0.2U	**1.7**	0.2U	0.2U	0.2U	0.2U	0.2U	**2.5**	**5.5**	0.2U	**1.7**	**130**	0.5U
	AMCO-X-52-081321-PDB-D	**240**	**1.9**	**0.4J**	**15**	0.2U	**0.4J**	0.2U	**0.5**	**3.1**	0.2U	0.2U	0.2U	0.2U	0.2U	**11**	**6.6**	0.2U	**0.9**	**190**	**1.6**
	AMCO-X-52-081321-I	**230**	**1.1**	**0.5**	**15**	0.2U	0.5U	0.2U	**0.4J**	**3.9**	0.2U	0.2U	0.2U	0.2U	0.2U	**3.9**	**11**	0.2U	**1.7**	**290**	**0.9J**
	AMCO-X-52-081321-PDB-I	**230**	**2.8**	**0.6**	**15**	0.2U	**0.4J**	0.2U	**0.7**	**4.2**	0.2U	0.2U	0.2U	0.2U	0.2U	**20**	**8.9**	0.2U	**1.0**	**220**	**2.3**
	AMCO-X-52-081321-S	**560**	**7.5**	**1.2**	**16**	0.2U	**0.9**	0.2U	**1.5**	**10**	**0.5**	**0.3J**	0.2U	0.2U	0.2U	**61**	**20**	0.2U	**1.5**	**440**	**7.0**
	AMCO-X-52-081321-PDB-S	**300**	**4.3**	**1.0**	**15**	0.2U	0.2U	0.2U	**1.2**	**6.8**	0.2U	**0.2J**	0.2U	0.2U	0.2U	**3.5**	**15**	0.2U	**1.5**	**300**	**1.8**

Notes:

1) *National Primary Drinking Water Regulations* . May 2009. Available at https://www.epa.gov/sites/production/files/2016-06/documents/npwdr_complete_table.pdf

2) *MCLs, DLRs, and PHGs for Regulated Drinking Water Contaminants* . September 14, 2021. Available at https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/documents/mclreview/mcls_dlrs_phgs.pdf

3) *Drinking Water Notification Levels and Response Levels: An Overview* . September 22, 2021. Available at https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/documents/notificationlevels/notification_response_level_overview_09.22.21%20(2).pdf

4) MCL values for o-Xylene and m&p Xylenes are for total xylenes

Detected analytes are shown here. See analytical reports for all other results.

Bold values indicate a sample detection.

Highlighted cells indicate concentrations exceeding Federal or California MCL values.

Underlined cells indicate concentrations exceeding California NL values.

Definitions:

* - laboratory detection limit was above the associated MCL or NL value.
-- - not available
µg/L - micrograms per liter
FD - field duplicate sample
ft bgs - feet below ground surface
ID - identification
J - Estimated value
MCL - Maximum Contaminant Level
PHG - public health goal
N - normal field sample
NL - notification Level
U - not detected above the laboratory detection limit
UJ - not detected and the laboratory detection limit is estimated
EPA - United States Environmental Protection Agency
VOC - volatile organic compound

Table 4
Detected SVOCs in Groundwater - August 2021
AMCO Chemical Superfund Site, Oakland, California

Station ID	Sample ID	Sample Date	Sample Type	Screen Interval (ft bgs)	Sample Depth (ft bgs)	1,4-Dioxane (P-Dioxane)	2,4-Dimethylphenol	2,6-Dinitrotoluene	2-Chlorophenol	2-Methylnaphthalene	2-Methylphenol (O-Cresol)	4-Chloro-3-methylphenol	4-Chloroaniline	4-Nitrophenol	Acenaphthene	Benzyl Alcohol	Benzyl Butyl Phthalate	Bis(2-Chloroethoxy) Methane	Bis(2-Ethylhexyl) Phthalate	Carbazole	Cresols, M & P	Diethyl Phthalate	Di-N-Butyl Phthalate	Fluoranthene	Fluorene	Hexachloroethane	Isophorone	Nitrobenzene	Phenanthrene	Pyrene
					Federal MCLs[1]	--	--	--	--	--	--	--	--	--	--	--	--	--	6	--	--	--	--	--	--	--	--	--	--	--
					California MCLs[2]	--	--	--	--	--	--	--	--	--	--	--	--	--	4	--	--	--	--	--	--	--	--	--	--	--
					California PHGs[2] / NLs[3]	1	--	5	35	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.9	--	--	--	420
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
BMW-01	AMCO-BMW-01-081221	8/12/2021	N	5-22	14	**0.6J**	2.4U	0.5U	2.4U	0.5U	2.4U	2.4U	2.4U	2.4U	0.5U	2.4U	0.5U	0.5U	0.5U	0.5U	2.4U	**0.9J**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
BMW-03	AMCO-BMW-03-081221	8/12/2021	N	7-22	10	**140**	12U	2.4U	12U	2.4U	12U	12U	12U	12U	2.4U	12U	2.4U	2.4U	2.4U	2.4U	12U	2.4U	2.4U	2.4U	2.4U	2.4U*	2.4U	2.4U	2.4U	2.4U
	AMCO-DUP5-081221	8/12/2021	FD			**75J**	2.4U	0.5U	2.4U	0.5U	2.4U	2.4U	2.4U	2.4U	0.5U	2.4U	**0.5J**	0.5U	**0.5J**	0.5U	2.4U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
BMW-07	AMCO-BMW-07-081221	8/12/2021	N	10-20	15	**5.0**	2.5U	0.5U	2.5U	0.5U	2.5U	2.5U	2.5U	2.5U	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
BMW-08	AMCO-BMW-08-081221	8/12/2021	N	9.5-19.5	15	**15J**	R	R	R	R	R	R	R	R	R	R	R	R	**0.5J**	R	R	R	R	R	R	R	R	R	R	R
BPZ-01	AMCO-BPZ-01-081221	8/12/2021	N	12-17	15	**63J**	12U	2.4U	12U	2.4U	12U	12U	12U	12U	2.4U	12U	2.4U	2.4U	2.4U	2.4U	12U	2.4U	2.4U	2.4U	2.4U	2.4U*	2.4U	2.4U	2.4U	2.4U
	AMCO-DUP4-081221	8/12/2021	FD			**110J**	2.4U	0.5U	2.4U	0.5U	2.4U	2.4U	2.4U	2.4U	0.5U	2.4U	0.5U	0.5U	0.5U	0.5U	2.4U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
MW-02	AMCO-MW-02-081321	8/13/2021	N	5-20	10	**90**	53J	4.8U	24U	**76**	24U	24U	24U	24U	4.8U	24U	4.8U	4.8U	4.8U	4.8U	24U	4.8U	4.8U	4.8U	4.8U	4.8U*	4.8U	4.8U	4.8U	4.8U
RMW-01-17	AMCO-RMW-01-17-081321	8/13/2021	N	7-17	13	**10**	2.5U	0.5U	2.5U	**110**	2.5U	2.5U	2.5U	2.5U	**1.7**	2.5U	0.5U	0.5U	**0.5J**	0.5U	2.5U	0.5U	0.5U	0.5U	**0.7J**	0.5U	0.5U	0.5U	**0.7J**	0.5U
RMW-01-35	AMCO-RMW-01-35-081321	8/13/2021	N	25-35	30	**130**	25U	5U	25U	5U	25U	25U	25U	25U	5U	25U	5U	5U	5U*	5U	25U	5U	5U	5U	5U	5U*	5U	5U	5U	5U
RMW-03-15	AMCO-RMW-03-15-081321	8/13/2021	N	5-15	10	**44**	2.5U	0.5U	2.5U	0.5U	2.5U	2.5U	2.5U	2.5U	0.5U	2.5U	0.5U	0.5U	**0.5J**	0.5U	2.5U	**1.0J**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-04-15	AMCO-RMW-04-15-081221	8/12/2021	N	5-15	12	**1.6**	2.4U	0.5U	2.4U	0.5U	2.4U	2.4U	2.4U	2.4U	0.5U	2.4U	0.5U	0.5U	0.5U	0.5U	2.4U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-05-35	AMCO-RMW-05-35-081221	8/12/2021	N	25-35	30	0.5U	2.4UJ	0.5U	2.4U	0.5U	2.4UJ	2.4U	R	2.4U	0.5U	2.4U	0.5U	0.5U	0.5U	0.5U	2.4UJ	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-05-74	AMCO-RMW-05-74-081221	8/12/2021	N	64-74	69	0.5U	2.3U	0.5U	2.3U	0.5U	2.3U	2.3U	2.3U	2.3U	0.5U	2.3U	0.5U	0.5U	0.5U	0.5U	2.3U	**2.6**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-06-15	AMCO-RMW-06-15-081121	8/11/2021	N	5-15	10	0.5U	2.5U	0.5U	2.5U	0.5U	2.5U	2.5U	2.5U	2.5U	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-06-35	AMCO-RMW-06-35-081121	8/11/2021	N	25-35	30	0.5U	2.4U	0.5U	2.4U	0.5U	2.4U	2.4U	2.4U	2.4U	0.5U	2.4U	0.5U	0.5U	0.5U	0.5U	2.4U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-06-61	AMCO-RMW-06-61-081121	8/11/2021	N	51-61	56	0.5U	2.4U	0.5U	2.4U	0.5U	2.4U	2.4U	2.4U	2.4U	0.5U	2.4U	0.5U	0.5U	0.5U	0.5U	2.4U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-08-15	AMCO-RMW-08-15-081321	8/13/2021	N	5-15	12	**2.9**	2.5U	0.5U	**5.3**	0.5U	2.5U	2.5U	2.5U	2.5U	0.5U	2.5U	0.5U	0.5U	**0.7J**	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-08-35	AMCO-RMW-08-35-081321	8/13/2021	N	25-35	30	**1.0**	2.4U	0.5U	2.4U	0.5U	2.4U	2.4U	2.4U	2.4U	0.5U	2.4U	0.5U	0.5U	0.5U	0.5U	2.4U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-10-15	AMCO-RMW-10-15-081221	8/12/2021	N	5-15	10	**38**	2.4U	0.5U	2.4U	0.5U	2.4U	2.4U	2.4U	2.4U	0.5U	2.4U	0.5U	0.5U	0.5U	0.5U	2.4U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-10-35	AMCO-DUP6-081221	8/12/2021	FD	25-35	30	**420**	12U	2.3U	12U	2.3U	12U	12U	12U	12U	2.3U	12U	2.3U	2.3U	2.3U	2.3U	12U	2.3U	2.3U	2.3U	2.3U	2.3U*	2.3U	2.3U	2.3U	2.3U
	AMCO-RMW-10-35-081221	8/12/2021	N			**330**	47U	9.4U*	47U	9.4U	47U	47U	47U	47U	9.4U	47U	9.4U	9.4U	9.4U*	9.4U	47U	9.4U	9.4U	9.4U	9.4U	9.4U*	9.4U	9.4U	9.4U	9.4U
RMW-10-79	AMCO-RMW-10-79-081221	8/12/2021	N	69-79	74	0.5U	2.3U	0.5U	2.3U	0.5U	2.3U	2.3U	2.3U	2.3U	0.5U	2.3U	0.5U	0.5U	0.5U	0.5U	2.3U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-11-35	AMCO-RMW-11-35-081321	8/13/2021	N	25-35	30	0.5U	2.4U	0.5U	2.4U	0.5U	2.4U	2.4U	2.4U	2.4U	0.5U	2.4U	0.5U	0.5U	**14**	0.5U	2.4U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-13-35	AMCO-RMW-13-35-081221	8/12/2021	N	25-35	30	0.5U	2.3U	0.5U	2.3U	0.5U	2.3U	2.3U	2.3U	2.3U	0.5U	2.3U	0.5U	0.5U	**1.1**	0.5U	2.3U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-14-35	AMCO-RMW-14-35-081221	8/12/2021	N	25-35	30	**3.6**	2.5U	0.5U	2.5U	0.5U	2.5U	2.5U	2.5U	2.5U	0.5U	2.5U	0.5U	0.5U	**0.7J**	0.5U	2.5U	**1.0**	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-14-50	AMCO-RMW-14-50-081221	8/12/2021	N	40-50	45	**2.9**	2.4U	0.5U	2.4U	0.5U	2.4U	2.4U	2.4U	2.4U	0.5U	2.4U	0.7J	0.5U	0.5U	0.5U	2.4U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-15-15	AMCO-RMW-15-15-081321	8/13/2021	N	5-15	12	0.5U	2.5U	0.5U	2.5U	0.5U	2.5U	2.5U	2.5U	2.5U	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-15-35	AMCO-RMW-15-35-081321	8/13/2021	N	25-35	30	**1.4**	2.5U	0.5U	2.5U	0.5U	2.5U	2.5U	2.5U	2.5U	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-16-35	AMCO-RMW-16-35-081121	8/11/2021	N	25-35	30	**5.0**	2.5U	0.5U	2.5U	0.5U	2.5U	2.5U	2.5U	2.5U	0.5U	2.5U	0.5U	0.5U	**0.9J**	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-16-61	AMCO-RMW-16-61-081121	8/11/2021	N	51-61	56	0.5U	2.5U	0.5U	2.5U	0.5U	2.5U	2.5U	2.5U	2.5U	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-16W-15	AMCO-RMW-16W-15-081121	8/11/2021	N	5-15	10	0.5U	2.5U	0.5U	2.5U	0.5U	2.5U	2.5U	2.5U	2.5U	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	Dup 8-081121	8/11/2021	FD			0.5U	2.5U	0.5U	2.5U	0.5U	2.5U	2.5U	2.5U	2.5U	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-17-35	AMCO-RMW-17-35-081121	8/11/2021	N	25-35	30	**1.6**	2.4U	0.5U	2.4U	0.5U	2.4U	2.4U	2.4U	2.4U	0.5U	2.4U	0.5U	0.5U	0.5U	0.5U	2.4U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-17-70	AMCO-RMW-17-70-081121	8/11/2021	N	60-70	65	0.5U	2.3U	0.5U	2.3U	0.5U	2.3U	2.3U	2.3U	2.3U	0.5U	2.3U	0.5U	0.5U	0.5U	0.5U	2.3U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-18-35	AMCO-RMW-18-35-081221	8/12/2021	N	25-35	30	0.5U	2.3U	0.5U	2.3U	0.5U	2.3U	2.3U	2.3U	2.3U	0.5U	2.3U	0.5U	0.5U	**5.1**	0.5U	2.3U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-18-79	AMCO-RMW-18-79-081221	8/12/2021	N	69-79	74	0.5U	2.3U	0.5U	2.3U	0.5U	2.3U	2.3U	2.3U	2.3U	0.5U	2.3U	0.5U	0.5U	0.5U	0.5U	2.3U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-19-15	AMCO-RMW-19-15-081221	8/12/2021	N	5-15	12	0.5U	2.5U	0.5U	2.5U	0.5U	2.5U	2.5U	2.5U	2.5U	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	2.5U	0.5J	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-19-35	AMCO-RMW-19-35-081221	8/12/2021	N	25-35	30	0.5U	2.5U	0.5U	2.5U	0.5U	2.5U	2.5U	2.5U	2.5U	0.5U	2.5U	0.5U	0.5U	**0.7J**	0.5U	2.5U	0.5J	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
RMW-19-80	AMCO-RMW-19-80-081221	8/12/2021	N	70-80	75	0.5U	2.3U	0.5U	2.3U	0.5U	2.3U	2.3U	2.3U	2.3U	0.5U	2.3U	0.5U	0.5U	0.5U	0.5U	2.3U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
X01	AMCO-X-01-081321	8/13/2021	N	3-23	10	10U*	25U	5U	25U	5U	25U	25U	25U	25U	5U	25U	5U	5U	5U*	5U	25U	5U	5U	5U	5U	5U*	5U	5U	5U	5U
X04	AMCO-X-04-081321	8/13/2021	N	3-23	10	10U*	**49J**	5U	25U	**95**	25U	**41J**	25U	25U	5U	25U	5U	5U	5U*	5U	25U	5U	5U	5U	5U	5U*	5U	5U	5U	5U
X05	AMCO-DUP1-081321	8/13/2021	FD	3-23	13	**11J**	**270J**	9.5U*	48U	**290**	**120**	**280**	48U	48U	9.5U	48U	9.5U	9.5U	9.5U*	9.5U	48U	9.5U	9.5U	9.5U	9.5U	9.5U*	9.5U	9.5U	**11J**	9.5U
	AMCO-X-05-081321	8/13/2021	N			9.5U*	**320**	9.5U*	48U	**340**	**150**	**420J**	48U	48U	9.5U	48U	9.5U	9.5U	9.5U*	9.5U	48U	9.5U	9.5U	9.5U	9.5U	9.5U*	9.5U	9.5U	**9.9J**	9.5U
X13	AMCO-X-13-081321	8/13/2021	N	3-23	10	**16J**	**270**	4.7U	23U	**58**	23U	23U	23U	23UJ	4.7U	23U	4.7U	4.7U	4.7U*	4.7U	23U	4.7U	4.7U	4.7U	4.7U	4.7U*	4.7U	4.7U	**6.4J**	4.7U
X14	AMCO-X-14-081321	8/13/2021	N	3-23	10	**200J**	**580J**	R	R	**73J**	**150J**	R	R	R	R	R	R	R	**1.3J**	**1.9J**	R	R	**7.5J**	R	R	R	R	R	**4.3J**	R
X15	AMCO-X-15-081321	8/13/2021	N	3-23	10	**17J**	**230J**	10U*	50U	**680**	50U	50U	50U	50U	10U	50U	10U	10U	10U*	10U	50U	10U	10U	10U	10U	10U*	10U	10U	10U	10U
X19	AMCO-X-19-081321	8/13/2021	N	3-32	10	**48**	**370**	12U*	62U	**1400**	**120J**	**130J**	62U	62U	12U	62U	12U	12U	12U*	12U	**1800**	12U	12U	12U	12U	12U*	12U	12U	12U	12U
X21	AMCO-X-21-081321	8/13/2021	N	3-32	10	**40**	**1000**	4.7U	23U	**310**	**1300**	23U	23U	23UJ	**5.3J**	23U	4.7U	4.7U	4.7U*	4.7U	23U	4.7U	4.7U	4.7U	4.7U	4.7U*	4.7U	4.7U	4.7U	4.7U
X25	AMCO-DUP3-081321	8/13/2021	FD	3-32	10	**100**	**98J**	4.8U	24U	**420**	**88**	**27J**	**39J**	**25J**	4.8U	**28J**	4.8U	**170**	4.8U*	4.8U	**60**	4.8U	**5.1J**	4.8U	4.8U	**29**	**6.9J**	**11**	**5J**	4.8U
	AMCO-X-25-081321	8/13/2021	N			**92**	**93J**	5U	25U	**370**	**83**	**25J**	25U	25U	5U	25U	5U	5U	5U*	5U	**57**	5U	5U	5U	5U	5U*	5U	5U	5U	5U
X29	AMCO-DUP2-081321	8/13/2021	FD	3-32	10	**25**	**84J**	4.8U	24U	**400**	**220**	24U	24U	24U	4.8U	24U	4.8U	**26**	4.8U*	4.8U	24U	4.8U	4.8U	4.8U	4.8U	4.8U*	4.8U	4.8U	4.8U	4.8U
	AMCO-X-29-081321	8/13/2021	N			**23**	**79J**	5U	25U	**360**	**210**	25U	25U	25U	5U	25U	5U	5U	5U*	5U	25U	5U	5U	5U	5U	5U*	5U	5U	5U	5U
X33	AMCO-X-33-081321-D	8/13/2021	N	3-47	45	10U*	12U	2.5U	12U	**7.1**	12U	12U	12U	12U	2.5U	12U	2.5U	2.5U	**4.4J**	2.5U	12U	2.5U	2.5U	2.5U	2.5U	2.5U*	2.5U	2.5U	2.5U	2.5U
	AMCO-X-33-081321-I	8/13/2021	N		30	10U*	12U	2.5U	12U	**23**	12U	12U	12U	12U	2.5U	12U	2.5U	2.5U	2.5U	2.5U	12U	2.5U	2.5U	2.5U	2.5U	2.5U*	2.5U	2.5U	2.5U	2.5U
	AMCO-X-33-081321-S	8/13/2021	N		10	**11J**	12U	2.5U	12U	**24**	12U	12U	12U	12U	2.5U	12U	2.5U	2.5U	2.5U	2.5U	12U	2.5U	2.5U	2.5U	2.5U	2.5U*	2.5U	2.5U	2.5U	2.5U
X46	AMCO-X-46-081121-D	8/11/2021	N	3-47	45	**11**	2.5U	0.5U	2.5U	0.5U	2.5U	2.5U	2.5U	2.5U	**1.0J**	2.5U	0.5U	0.5U	**0.7J**	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	AMCO-X-46-081121-I	8/11/2021	N		30	**10**	2.5U	**0.5J**	2.5U	0.5U	2.5U	2.5U	2.5U	2.5U	**1.2**	2.5U	0.5U	0.5U	0.5U	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	AMCO-X-46-081121-S	8/11/2021	N		10	**7.7**	2.5U	0.5U	2.5U	0.5U	2.5U	2.5U	2.5U	2.5U	1.1	2.5U	0.5U	0.5U	0.5U	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
X49	AMCO-X-49-081121-D	8/11/2021	N	3-47	45	**21**	12U	2.5U	12U	**38**	12U	12U	12U	12U	2.5U	12U	2.5U	2.5U	2.5U	2.5U	12U	2.5U	2.5U	**4.7J**	2.5U	2.5U*	2.5U	2.5U	**2.5J**	**5.3**
	AMCO-X-49-081121-I	8/11/2021	N		30	**31J**	R	R	R	**14J**	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
	AMCO-X-49-081121-S	8/11/2021	N		10	**15J**	12U	2.4U	12U	**37**	12U	12U	12U	12U	2.4U	12U	2.4U	2.4U	2.4U	2.4U	12U	2.4U	2.4U	2.4U	2.4U	2.4U*	2.4U	2.4U	2.4U	2.4U
X50	AMCO-X-50-D-081121	8/11/2021	N	3-47	45	10U*	50U	10U	50U	10U	50U	50U	50U	50U	10U	50U	10U	10U	**23**	10U	50U	10U	10U	10U	10U	10U*	10U	10U	10U	**11J**
	AMCO-X-50-I-081121	8/11/2021	N		30	0.5U	2.5U	0.5U	2.5U	0.5U	2.5U	2.5U	2.5U	2.5U	0.5U	2.5U	0.5U	0.5U	**1.0**	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	AMCO-X-50-S-081121	8/11/2021	N		10	0.5U	2.5U	0.5U	2.5U	0.5U	2.5U	2.5U	2.5U	2.5U	0.5U	2.5U	0.5U	0.5U	**0.8J**	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
X52	AMCO-X-52-081321-D	8/13/2021	N	3-47	45	**0.8J**	2.4U	0.5U	2.4U	0.5U	2.4U	2.4U	2.4U	2.4U	0.5U	2.4U	0.5U	0.5U	0.5U	0.5U	2.4U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	AMCO-X-52-081321-I	8/13/2021	N		30	**0.9J**	2.5U	0.5U	2.5U	0.5U	2.5U	2.5U	2.5U	2.5U	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
	AMCO-X-52-081321-S	8/13/2021	N		10	**0.9J**	2.5U	0.5U	2.5U	0.5U	**3.3J**	**4.1J**	2.5U	2.5U	0.5U	2.5U	0.5U	0.5U	**1.0J**	0.5U	2.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U

Notes:

1) *National Primary Drinking Water Regulations* . May 2009. Available at https://www.epa.gov/sites/production/files/2016-06/documents/npwdr_complete_table.pdf

2) *MCLs, DLRs, and PHGs for Regulated Drinking Water Contaminants* . March 19, 2019. Available at https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/MCLsandPHGs.html

3) Drinking Water Notification Levles and Response Levels: An Overview. February 6, 2020. Available at
https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/documents/notificationlevels/notification_levels_response_levels_overview.pdf

Detected analytes are shown here. See analytical reports for all other results.

Bold values indicate a sample detection.

Highlighted cells indicate concentrations exceeding Federal or California MCL values.

Underlined cells indicate concentrations exceeding California NL values.

µg/L - micrograms per liter
FD - field duplicate sample
ft bgs - feet below ground surface
ID - identification
J - Estimated value
MCL - Maximum Contaminant Level
N - normal field sample
NL - notification Level
-- - not available

PHG - public health goal
SVOC - semi-volatile organic compound
U - not detected above the laboratory detection limit
UJ - not detected and the laboratory detection limit is estimated.
EPA - United States Environmental Protection Agency
R - data rejected as unusable due to quality control issues. See data validation report in Appendix C for complete details.
*- laboratory detection limit is above the associated MCL or NL value.

Table 5
Dissolved Metals in Groundwater - August 2021
AMCO Chemical Superfund Site, Oakland, California

						Arsenic	Cobalt	Iron	Manganese	Nickel	Selenium
					Federal MCLs[1]	10	--	--	--	--	50
					California MCLs[2]	10	--	--	--	100	50
					California NLs[3]	--	--	--	500		--
Station ID	**Sample ID**	**Sample Date**	**Sample Type**	**Screen Interval (ft bgs)**	**Sample Depth (ft bgs)**	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
BMW-01	AMCO-BMW-01-081221	8/12/2021	N	5-22	14	2.8U	**3.0**	**7,600**	**4,100**	**14**	**53**
BMW-03	AMCO-BMW-03-081221	8/12/2021	N	7-22	10	**160**	**11**	50U	**6,000**	**33**	**7.3**
	AMCO-DUP5-081221	8/12/2021	FD			**160**	**11**	50U	**6,000**	**33**	**7.9**
BMW-07	AMCO-BMW-07-081221	8/12/2021	N	10-20	15	**7.7**	**2.3**	**81J**	**1,000**	**9.0**	**4.8**
BMW-08	AMCO-BMW-08-081221	8/12/2021	N	9.5-19.5	15	**28**	**3.6J**	**11,000**	**120**	**16J**	**150**
BPZ-01	AMCO-BPZ-01-081221	8/12/2021	N	12-17	15	**65**	**3.5**	50U	**12**	**11**	**64**
	AMCO-DUP4-081221	8/12/2021	FD			**65**	**3.4**	50U	**12**	**11**	**64**
RMW-01-17	AMCO-RMW-01-17-081321	8/13/2021	N	7-17	13	**18**	**0.72**	**5,700**	**3,000**	**9.3**	**1.5**
RMW-01-35	AMCO-RMW-01-35-081321	8/13/2021	N	25-35	30	**11**	**2.1**	**3,100**	**770**	**90**	**7.2**
RMW-03-15	AMCO-RMW-03-15-081321	8/13/2021	N	5-15	10	**8.4**	**1.1**	**16,000**	**1,000**	**5.0**	**2.2**
RMW-05-35	AMCO-RMW-05-35-081221	8/12/2021	N	25-35	30	**6.9**	**0.17J**	50U	1U	**1.3**	**3.3**
RMW-06-15	AMCO-RMW-06-15-081121	8/11/2021	N	5-15	10	**2.6**	**1.9**	**290**	**5,200**	**9.2**	**1.9**
RMW-06-35	AMCO-RMW-06-35-081121	8/11/2021	N	25-35	30	**1.2**	**0.47**	50U	**61**	**8.9**	**3.7**
RMW-06-61	AMCO-RMW-06-61-081121	8/11/2021	N	51-61	56	**4.4**	**0.45**	50U	**820**	**3.8**	**18**
RMW-08-15	AMCO-RMW-08-15-081321	8/13/2021	N	5-15	12	**180**	**0.63**	**15,000**	**3,700**	**5.9**	**1.3**
RMW-08-35	AMCO-RMW-08-35-081321	8/13/2021	N	25-35	30	**1.6**	**3.8**	**420**	**840**	**23**	**2.2**
RMW-10-15	AMCO-RMW-10-15-081221	8/12/2021	N	5-15	10	**720**	**11**	**9,300**	**3,700**	**55**	**7.4**
RMW-10-35	AMCO-DUP6-081221	8/12/2021	FD	25-35	30	**1,100**	**93**	**8,100**	**12,000**	**300**	**24**
	AMCO-RMW-10-35-081221	8/12/2021	N			**1,100**	**96**	**8,400**	**13,000**	**300**	**25**
RMW-10-79	AMCO-RMW-10-79-081221	8/12/2021	N	69-79	74	9.1U	**7.0**	50U	**19,000**	**60**	**270**
RMW-14-35	AMCO-RMW-14-35-081221	8/12/2021	N	25-35	30	**20**	**0.45**	50U	**56**	**5.6**	**6.6**
RMW-14-50	AMCO-RMW-14-50-081221	8/12/2021	N	40-50	45	**19**	**5.3**	**190**	**3,700**	**34**	**12**
RMW-19-15	AMCO-RMW-19-15-081221	8/12/2021	N	5-15	12	**5.3**	**2.0**	**510**	**1,000**	**19**	**9.6**
RMW-19-35	AMCO-RMW-19-35-081221	8/12/2021	N	25-35	30	**1.6**	**0.45**	50U	**44**	**2.0**	**6.6**
RMW-19-80	AMCO-RMW-19-80-081221	8/12/2021	N	70-80	75	**11**	**5.9**	**2,600**	**28,000**	**100**	**290**
X15	AMCO-X-15-081321	8/13/2021	N	3-23	10	**55**	**0.77**	**11,000**	**2,100**	**7.4**	**2.5**
X33	AMCO-X-33-081321-D	8/13/2021	N	3-47	45	**10**	**0.24J**	**6,000**	**680**	**10**	**1.0**
	AMCO-X-33-081321-I	8/13/2021	N		30	**9.9**	**0.23J**	**6,000**	**670**	**9.6**	**0.97J**
	AMCO-X-33-081321-S	8/13/2021	N		10	**11**	**0.25J**	**5,700**	**700**	**9.9**	**1.3**
X49	AMCO-X-49-081121-I	8/11/2021	N	3-47	30	**2.8**	**0.53**	**1,800**	**840**	**7.5**	**1.6**
X52	AMCO-X-52-081321-D	8/13/2021	N	3-47	45	**8.0**	**0.24J**	**77J**	**320**	**2.4**	**0.6J**
	AMCO-X-52-081321-I	8/13/2021	N		30	**6.5**	**0.22J**	**66J**	**330**	**2.4**	**0.64J**
	AMCO-X-52-081321-S	8/13/2021	N		10	**5.2**	**0.19J**	**200**	**350**	**2.7**	**0.72J**

Notes:

1) *National Primary Drinking Water Regulations* . May 2009. Available at https://www.epa.gov/sites/production/files/2016-06/documents/npwdr_complete_table.pdf

2) *MCLs, DLRs, and PHGs for Regulated Drinking Water Contaminants* . September 14, 2021. Available at https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/documents/mclreview/mcls_dlrs_phgs.pdf

3) *Drinking Water Notification Levels and Response Levels: An Overview* . September 22, 2021. Available at https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/documents/notificationlevels/notification_response_level_overview_09.22.21%20(2).pdf

Bold values indicate a sample detection.

Highlighted cells indicate concentrations exceeding Federal or California MCL values.

Underlined cells indicate concentrations exceeding California NL values.

Table 6
Targeted Depth Sampling VOC Results Comparison - Low-Flow vs. Passive Diffusion Bag Sampling Methods
AMCO Chemical Superfund Site, Oakland, California

Station ID	Sample Depth (ft bgs)	Low-Flow Sample Result (µg/L)	PDB Sample Result (µg/L)	RPD (%)
1,1,1-Trichloroethane	45	5.7	9	45%
	30	13	13	0%
	10	24	17	34%
1,1-Dichloroethane	45	36	60	50%
	30	74	69	7%
	10	120	98	20%
1,1-Dichloroethene	45	1.1	1.3	17%
	30	1.8	1.8	0%
	10	3.8	2.2	53%
1,2,4-Trimethylbenzene	45	0.2U	0.5	NA
	30	0.2U	0.6	NA
	10	1.6	0.2U	NA
1,2-Dichlorobenzene	45	0.5U	0.6	NA
	30	0.8	0.8	0%
	10	1.5	1.4	7%
1,2-Dichloroethane	45	0.4	0.2U	NA
	30	0.4	0.2U	NA
	10	0.6	0.2U	NA
1,3,5-Trimethylbenzene	45	0.2U	0.3	NA
	30	0.2U	0.4	NA
	10	1	0.4	86%
Benzene	45	1.8	2	11%
	30	3.6	2.6	32%
	10	6.3	4.6	31%
Chlorobenzene	45	0.3	0.5	50%
	30	0.7	0.6	15%
	10	1.2	1	18%
Chloroethane	45	21	14	40%
	30	32	19	51%
	10	30	28	7%
cis-1,2-Dichloroethene	45	120	240	67%
	30	230	230	0%
	10	560	300	60%
Ethylbenzene	45	0.3	1.9	145%
	30	1.1	2.8	87%
	10	7.5	4.3	54%
Isopropylbenzene	45	0.2U	0.4	NA
	30	0.5	0.6	18%
	10	1.2	1	18%
Methyl Tert-Butyl Ether	45	14	15	7%
	30	15	15	0%
	10	16	15	6%
Naphthalene	45	0.5U	0.4	NA
	30	0.5U	0.4	NA
	10	0.9	0.2U	NA
N-Propylbenzene	45	0.2U	0.5	NA
	30	0.4	0.7	55%
	10	1.5	1.2	22%
o-Xylene	45	1.7	3.1	58%
	30	3.9	4.2	7%
	10	10	6.8	38%
Toluene	45	2.5	11	126%
	30	3.9	20	135%
	10	61	3.5	178%
trans-1,2-Dichloroethene	45	5.5	6.6	18%
	30	11	8.9	21%
	10	20	15	29%
Trichloroethene	45	1.7	0.9	62%
	30	1.7	1	52%
	10	1.5	1.5	0%
Vinyl chloride	45	130	190	38%
	30	290	220	27%
	10	440	300	38%
Xylenes, m & p	45	0.5U	1.6	NA
	30	0.9	2.3	88%
	10	7	1.8	118%

Notes:
1. The accepted RPD limit for field duplicate pairs is 40%, which is used as the general criteria to evaluate consistency between PDB and low-flow sampling results.

Definitions:
µg/L - micrograms per liter
ft bgs - feet below ground surface
NA - not available (RPD not calculated)
PDB - passive diffusion bag
RPD - relative percent difference
U - not detected above laboratory reporting limit
VOC - volatile organic compound

APPENDIX A

Field Forms

WELL GAUGING SHEET

Client: OTIE

Date: 8/11-8/13/2021

Project Name/Site Address: AMCO Chemical Superfund Site @ 1414 3RD St. - Oakland, CA

Job #: 210811JE-1

Technician(s): JE, KR, CE, WW

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
BMW-01	0940	4					6.60	21.89	TOC	
BMW-03	1148	4					8.72	25.51	TOC	
BMW-06	well inaccessible								TOC	
BMW-07	0825	2					8.51	22.90	TOC	
BMW-08	1027	2	sulfur odor				8.88	21.67	TOC	
BPZ-01	0916	2	sulfur odor				7.19	17.82	TOC	
MW-01	well inaccessible								TOC	
MW-02	1427	2					7.15	18.63	TOC	
PZ-05	well inaccessible								TOC	
RMW-01-17	0840	2	odor				9.25	19.81	TOC	
RMW-01-35	0800	2					9.36	38.76	TOC	
RMW-03-15	0920	2					4.10	15.08	TOC	
RMW-04-15	1217	2					8.68	18.40	TOC	
RMW-05-35	1334	6					3.72	35.26	TOC	
RMW-05-74	1420	6					4.11	74.40	TOC	
RMW-06-15	0808	2					5.98	15.18	TOC	
RMW-06-35	0833	6					4.99	33.05	TOC	
RMW-06-61	0820	6					5.06	60.04	TOC	
RMW-07-15	well inaccessible								TOC	
RMW-07-35	well inaccessible								TOC	

WELL GAUGING SHEET

Client: OTIE

Date: 8/11-8/13/2021

Project Name/Site Address: AMCO Chemical Superfund Site @ 1414 3RD St. - Oakland, CA

Job #: 2108115E-1

Technician(s): JE, KR, CE, WW

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
RMW-08-15	1035	2					9.50	17.99	TOC	
RMW-08-35	1152	2					9.60	38.11	TOC	
RMW-09-15	well inaccessible								TOC	
RMW-09-35	well inaccessible								TOC	
RMW-09-70	well inaccessible								TOC	
RMW-10-15	1414	2	sulfur odor				8.87	18.53	TOC	
RMW-10-35	1239	2					12.00	13.10	TOC	
RMW-10-79	1328	6					9.37	81.78	TOC	
RMW-11-35	0950	2					4.92	34.75	TOC	
RMW-13-35	1241	2					9.05	37.77	TOC	
RMW-14-35	0828	6					8.58	35.79	TOC	
RMW-14-50	0929	2					8.91	53.41	TOC	
RMW-15-15	1252	6					9.00	17.43	TOC	
RMW-15-35	1343	6					8.70	37.12	TOC	
RMW-15-60	well not a priority, no time to sample								TOC	
RMW-16W-15	0951	6					3.85	14.50	TOC	
RMW-16-35	0935	6					3.97	34.50	TOC	
RMW-16-~~60~~ 61 (KR)	1053	6					4.00	58.05	TOC	
RMW-17-35	1115	6					4.77	34.30	TOC	
RMW-17-70	1020	6					4.95	68.80	TOC	

WELL GAUGING SHEET

Client: OTIE

Date: 8/11 - 8/13 /2021

Project Name/Site Address: AMCO Chemical Superfund Site @ 1414 3RD St. - Oakland, CA

Job #: 210811JE-1

Technician(s): JE, KR, CE, WW

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
RMW-18-35	38.40 ~~0723~~	6 ~~4~~ KR				KR	6.46 ~~8.45~~	38.40 ~~37.10~~	TOC	
RMW-18-79	0831	6					9.55	76.59	TOC	
RMW-19-15	0725	4					8.06	17.78	TOC	
RMW-19-35	0723	4					8.45	37.10	TOC	
RMW-19-80	0728	4					10.52	82.20	TOC	
X-01	0823	4					5.50	24.31	TOC	
X-04	0920	4					6.17	24.40	TOC	
X-05	0758	4	odor	6.46	1.10	—	7.56	—	TOC	
X-13	0938	4	sheen odor	6.00	0.01	—	6.01	—	TOC	
X-14	1400	4					5.23	23.50	TOC	
X-15	1117	4	odor sheen	5.75	0.02	—	5.77	—	TOC	
X-19	0800	4	odor	5.50	0.01	—	5.51	—	TOC	
X-21	1029	4	odor	5.10	0.09	—	5.19	—	TOC	
X-24	well inaccessible								TOC	
X-25	1300	4	odor	7.51	0.15	—	7.66	—	TOC	
X-29	1050	4	odor	4.85	0.01	—	4.86	—	TOC	
X-33	1301	4	odor sheen	7.58	0.01	—	7.59	—	TOC	
X-46	1408	4					3.78	45.88	TOC	
X-49	1433	4					3.62	41.80	TOC	
X-50	1316	4	odor	3.80	0.10	—	3.90	—	TOC	product

WELL GAUGING SHEET

Client: OTIE

Date: 8/11-8/13/2021

Project Name/Site Address: AMCO Chemical Superfund Site @ 1414 3RD St. - Oakland, CA

Job #: 210811JE-1

Technician(s): JE, KR, CE, WW

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
X-52	1200	4					3.68	46.90	TOC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811-JE1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: WW	Start Date: 8-12-21
Well I.D.: BMW-01	Well Diameter (inch): 4
Total Well Depth: 21.89	Depth to Water: Pre: 6.60 Post: 6.89
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI PRO PLUS

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 5-22

Start Purge: 0945 Flow Rate: 500→200 ml/min sys vol: 457 mL Pump Depth: 14.3

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0948	17.7	7.37	18987	868	1.09	-23.7	1500	6.70	ORANGE
0951	17.8	7.38	18984	540	1.08	-24.1	3000	6.80	"
0954	17.8	7.38	18978	168	1.08	-24.4	4500	6.90	CLEAR
0957	17.8	7.38	19014	123	1.11	-27.9	6000	6.89	"
1000	17.9	7.41	18997	110	0.84	-31.4	7500	6.90	"
1003	17.9	7.41	19006	106	0.59	-33.7	8100	6.89	"
1006	17.5	7.42	18952	66	0.72	-34.6	8700	6.90	"
1009	17.5	7.43	18918	50	0.79	-35.3	9500	6.89	"
1012	17.5	7.44	18875	49	0.85	-36.6	10100	6.90	"
1015	17.5	7.44	18828	45	0.78	-36.7	10700	6.89	"

Did well dewater? Yes (No)	Amount actually evacuated: 10700 ml
Sampling Time: 1020	Sampling Date: 8-12-21
Sample I.D.: BMCO-BMW-01-081221	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JZ-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: JZ	Start Date: 8/12/21
Well I.D.: BMW-03	Well Diameter (inch): 4
Total Well Depth: 25.51	Depth to Water: Pre: 8.72 Post: 9.20
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOC	Flow Cell Type: YSI Pro plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 7-22

Start Purge: 1153 Flow Rate: 400 → 200 ml/min Pump Depth: 10

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1150	16.8	7.21	9308	2	3.89	165.9	1200	9.20	Clear
— reduced flow rate to 200 ml/min —									
1159	17.0	7.20	9310	2	4.04	167.2	1800	9.20	
1202	17.2	7.21	9316	2	3.82	168.0	2400	9.20	
1205	17.2	7.20	9321	2	3.74	168.3	3000	9.20	
1208	17.1	7.20	9323	2	3.59	168.3	3600	9.20	

Did well dewater? Yes (No)	Amount actually evacuated: 3600 ml
Sampling Time: 1215	Sampling Date: 8/12/21
Sample I.D.: AMCO-BMW-03-081221	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time AMCO-~~DUP-5~~ DUP5-081221 1220
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 260817E-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: JR	Start Date: 8/11/11
Well I.D.: BMW-06	Well Diameter (inch):
Total Well Depth:	Depth to Water: Pre: Post:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOC	Flow Cell Type: YSI

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: _____

Start Purge: _____ Flow Rate: _____ ml/min Pump Depth: _____

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
	* WELL INACCESSIBLE								
	- NO SAMPLE TAKEN								

Did well dewater? Yes No	Amount actually evacuated: ml
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: JE	Start Date: 8/12/21
Well I.D.: BMW-07	Well Diameter (inch): 2
Total Well Depth: 22.90	Depth to Water: Pre: 8.51 Post: 9.00
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI Pro plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 10-20

Start Purge: 0830 Flow Rate: 400 ml/min Pump Depth: 15

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0833	16.7	7.19	3613	9	5.34	104.6	1200	9.25	Clear Bubbles in tubing
0836	16.6	7.24	3610	7	5.51	111.4	2400	9.00	
0839	16.5	7.27	3587	6	5.76	116.4	3600	9.00	
0842	16.5	7.31	3531	6	5.92	119.3	4800	9.00	
0845	16.5	7.31	3570	5	5.87	120.2	6000	9.00	
0848	16.6	7.34	3558	5	5.82	121.4	7200	9.00	

Did well dewater? Yes (No)	Amount actually evacuated: ~~9~~ 7200 ml
Sampling Time: 0850	Sampling Date: 8/12/21
Sample I.D.: AMCO-BMW-07-081221	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: CE	Start Date: 08/12/21
Well I.D.: BMW-08	Well Diameter (inch): 2
Total Well Depth: 21.67	Depth to Water: Pre: 8.88 Post: 8.93
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI Pro Plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 9.5 - 19.5

Start Purge: 1032 Flow Rate: 300 ml/min Pump Depth: 15

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1035	19.4	7.21	47109	64	0.45	-228.5	900	8.88	black yellow
1038	19.2	7.18	47308	42	0.69	-247.0	1800	8.89	rotten eggs odor
1041	19.1	7.17	47601	31	0.93	-254.1	2700	8.91	" "
1044	19.1	7.17	47806	32	1.05	-255.3	3600	8.92	" "
1047	19.1	7.17	47875	31	1.10	-255.4	4500	8.93	" "

Did well dewater? Yes No	Amount actually evacuated: 4500 ml
Sampling Time: 1055	Sampling Date: 8/12/21
Sample I.D.: AMCO-BMW-08-081221	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: KR	Start Date: 08/11/2021
Well I.D.: BPZ-01	Well Diameter (inch): 2
Total Well Depth: 17.82	Depth to Water: Pre: 7.19 Post: 9.29
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: ~~Bladder Pump~~ Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 12-17

Start Purge: 0921 Flow Rate: 100 ml/min Pump Depth: 15'

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
PID detected 2 ppm H_2S & 8 ppm CO - standby while waiting for client instructions									
0949	16.8	7.82	20709	47	5.00	-346.2	~~9.19~~ 2800	9.19	yellow,
0952	16.7	7.84	20701	45	5.01	-345.8	3100	9.23	bubbles,
0955	16.8	7.89	20685	44	5.03	-345.2	3400	9.29	sulfur odor
								↑	
well dewatered while sampling - Dup-4 has one 1L Amber for SVOCs.								*drawdown at lowest purge rate.	
			(H_2S spiked to 57 ppm when sampled to HCl vaas. Visible gas. Strong odor)						

Did well dewater? Yes (~while sampling) No	Amount actually evacuated: 3400 ml
Sampling Time: 1000	Sampling Date: 8/12/2021
Sample I.D.: AMCO-BPZ-01-081221	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: — @ Time	Duplicate I.D.: DUP-4-081221 @ Time 1005
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: CE	Start Date: 8/13/21
Well I.D.: ~~X-24~~ (CE) MW-01	Well Diameter (inch):
Total Well Depth:	Depth to Water: Pre: Post:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOC	Flow Cell Type: YSI

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: _____

Start Purge: _____ Flow Rate: _____ ml/min Pump Depth: _____

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
	* Well	was	inaccessible						
		-no	sample						

Did well dewater? Yes No	Amount actually evacuated: ml
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: CE	Start Date: 8/13/21
Well I.D.: MW-02	Well Diameter (inch): 2
Total Well Depth: 18.63	Depth to Water: Pre: 7.15 Post: 7.18
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI Pro Plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 5-20

Start Purge: 1431 Flow Rate: 400 ml/min Pump Depth: 10

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1434	22.2	7.10	3734	18	0.26	-142.4	1200	7.15	clear
1437	22.2	7.11	3737	13	0.21	-153.9	2400	7.16	" "
1440	~~22~~ 22.3	7.12	3742	9	0.21	-159.8	3600	7.16	"
1443	22.4	7.10	3743	8	0.22	-162.8	4800	7.17	" "
1446	22.5	7.10	3750	7	0.30	-165.4	6000	7.18	" "

Did well dewater? Yes No	Amount actually evacuated: 6000 ml
Sampling Time: 1451	Sampling Date: 8/13/21
Sample I.D.: AMCO-MW-02-081321	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: CE	Start Date: 08/13/21
Well I.D.: PZ-05	Well Diameter (inch):
Total Well Depth:	Depth to Water: Pre: Post:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOC	Flow Cell Type: YSI

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: _____

Start Purge: _____ Flow Rate: _____ ml/min Pump Depth: _____

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
	* Well	was	inaccessible						
		- no	sample						

Did well dewater? Yes No	Amount actually evacuated: ml
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811-JE1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: WW	Start Date: 8-13-21
Well I.D.: RMW-01-17	Well Diameter (inch): 2
Total Well Depth: 19.81	Depth to Water: Pre: 9.25 Post: 9.55
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI PRO PWS

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 7-17

Start Purge: 0844 Flow Rate: 500 → 200 ml/min Pump Depth: 13.13

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0847	23.6	7.19	1234	124	0.91	-45.3	1500	9.35	odor
0850	23.6	7.37	1221	140	0.81	-58.0	3000	9.45	"
0853	23.6	7.46	1209	143	0.70	-62.5	4500	9.55	"
0856	23.6	7.58	1201	59	0.48	-75.4	6000	9.54	"
0859	23.6	7.60	1194	42	0.30	-89.1	7500	9.55	"
0902	22.9	7.59	1198	43	0.29	-85.7	8100	9.54	"
0905	22.9	7.55	1207	45	0.28	-81.8	8700	9.55	

Did well dewater? Yes (No)	Amount actually evacuated: 8700 ml
Sampling Time: 0910	Sampling Date: 8-13-21
Sample I.D.: AMCO-RMW-01-17-081321	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811-JE1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: MW	Start Date: 8-12-21
Well I.D.: RMW-01-35	Well Diameter (inch): 2
Total Well Depth: 38.76	Depth to Water: Pre: 9.36 Post: 9.36
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI PRO PWS

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 25-35

Start Purge: 0805 Flow Rate: 200 ml/min sys vol. 589 mL Pump Depth: 30

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0808	20.6	6.68	2165	20	0.82	70.2	600	9.40	
0811	20.7	6.69	2170	46	0.76	66.5	1200	9.46	
0814	20.9	6.70	2171	35	0.66	61.4	1800	9.50	
0817	21.3	6.73	2178	34	0.49	52.0	2400	9.44	
0820	21.2	6.75	2178	33	0.45	44.2	3000	9.36	
0823	21.5	6.77	2173	36	0.40	42.0	3600	9.35	

Did well dewater? Yes No	Amount actually evacuated: 7600 ml
Sampling Time: 0825	Sampling Date: 8-13-21
Sample I.D.: ~~AMCO-01-35~~ AMCO-RMW-01-35-081321	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: JE	Start Date: 8/13/21
Well I.D.: RMW-03-15	Well Diameter (inch): 2
Total Well Depth: 15.08	Depth to Water: Pre: 4.10 Post: 6.25
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

400 → 300 → 200

Screen Interval: 5-15

Start Purge: 0924 Flow Rate: ~~0924~~ ml/min Pump Depth: 10

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0927	21.9	5.93	1838	15	0.65	116.8	1200	4.99	Organic particles
0929	22.2	5.85	1796	18	0.50	112.0	2400	5.20	reduced flow rate to 300 ml/min
0932	22.4	5.81	1763	13	0.46	109.5	3300	5.60	
0935	22.5	5.82	1752	13	0.40	108.4	4200	5.90	reduced flow rate to 200 ml/min
0938	22.6	5.82	1739	12	0.35	106.8	4800	6.10	yellow color organic particles
0941	22.7	5.83	1732	12	0.35	105.9	5400	6.18	
0944	22.7	5.83	1725	10	0.33	103.5	6000	6.25	

Did well dewater? Yes (No)	Amount actually evacuated: 6000 ml
Sampling Time: 0950	Sampling Date: 8/13/21
Sample I.D.: AMCO-RMW-03-15-081321	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: WW	Start Date: 8-12-21
Well I.D.: RMW-04-15	Well Diameter (inch): ~~4~~ 2
Total Well Depth: 18.40	Depth to Water: Pre: 8.68 Post: 8.98
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI PRO PLUS

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 5-15

Start Purge: 1222 Flow Rate: 800-7200 ml/min SYS vol: 654 mL Pump Depth: 11.84

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1225	19.3	8.16	1559	208	0.75	146.4	1500	8.75	BROWN
1228	19.2	8.12	1561	279	0.73	143.2	3000	8.83	CLOUDY ~~CLEAR~~
1231	19.1	8.10	1562	250	0.71	137.4	4500	8.91	CLOUDY
1234	19.1	8.08	1562	208	0.69	134.3	6000	8.98	"
1237	19.2	8.09	1562	163	0.56	133.0	6600	8.97	"
1240	19.1	8.15	1566	259	0.38	127.6	7200	8.98	"
1243	19.1	8.15	1562	210	0.28	125.2	7800	8.97	"
1246	19.1	8.14	1556	173	0.28	122.9	8400	8.98	"
1249	19.0	8.08	1553 ~~1583~~	168	0.27	120.8	9000	8.97	"
1252	19.0	8.09	1549	175	0.32	118.8	9600	8.98	"

Did well dewater? Yes (No)	Amount actually evacuated: 9600 ml
Sampling Time: 1255	Sampling Date: 8-12-21
Sample I.D.: AMCO-RMW-04-15-08121-21	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: ~~210.82-WW1~~ @ 210811-JE1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: WW	Start Date: 8.12-21
Well I.D.: RMW-05-35	Well Diameter (inch): 6
Total Well Depth: 35.26	Depth to Water: Pre: 3.72 Post: 3.75
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI PRO PLUS

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 25-35

Start Purge: 1339 Flow Rate: 200 ml/min Sys vol. 584 mL Pump Depth: 30

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1342	20.2	8.51	2629	24	1.13	150.4	600	3.72	
1345	20.2	8.51	2631	26	1.10	148.9	1200	3.72	
1348	20.2	8.51	2639	20	0.98	142.7	1800	3.72	
1351	20.2	8.51	2635	21	0.92	140.3	2400	3.74	
1354	20.2	8.57	2637	22	0.92	136.7	3000	3.75	

Did well dewater? Yes (No)	Amount actually evacuated: 3000 ml
Sampling Time: 1355	Sampling Date: 8.12-21
Sample I.D.: AMCO-RMW-05-35-081221	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	~~Duplicate I.D.:~~ MS/MSD @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: KR, JE	Start Date: ~~08/12/20~~ (KR) 08/11/2021
Well I.D.: RMW-05-74	Well Diameter (inch): 6
Total Well Depth: 74.00	Depth to Water: Pre: 4.11 Post: 4.35
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (TOC)	Flow Cell Type: YSI pro plus

Purge Method: Bladder Pump
Sampling Method: (New Tubing) Bladder

Other: Perri pump
Other:
*Unable to remove modified cap - used perri pump

Screen Interval: 64-74

Start Purge: 1432 Flow Rate: 400 ml/min Pump Depth: 69

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1435	19.4	7.10	77213	1	0.32	168.8	1200	4.23	Clear
1438	19.2	7.05	77330	2	0.26	167.5	2400	4.29	
1441	19.3	7.04	77523	2	0.24	166.7	3600	4.30	
1444	19.3	7.06	77771	2	0.22	165.4	4800	4.35	
1447	19.3	7.08	77902	2	0.20	164.1	6000	4.35	

Did well dewater? Yes (No)	Amount actually evacuated: 6000 ml
Sampling Time: 1450	Sampling Date: 08/12/2021
Sample I.D.: AMCO-RMW-05-74-081221	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: — @ Time	Duplicate I.D.: — @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: KR	Start Date: 08/11/2021
Well I.D.: ~~RMW~~ (KR) RMW-06-15	Well Diameter (inch): 2
Total Well Depth: 15.18	Depth to Water: Pre: 5.98 Post: 6.05
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 5-15

Start Purge: 0812 Flow Rate: ~~400~~ 200 (KR) ml/min Pump Depth: 10'

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0815	23.4	6.40	1633	259	2.77	125.7	~~1200~~ 600 (KR)	5.98	cloudy
0818	23.8	6.70	1601	143	3.55	85.5	~~2400~~ 1200 (KR)	5.98	
0821	23.7	6.85	1595	100	4.14	39.7	~~3600~~ 1800 (KR)	5.98	
0824	23.4	6.90	1591	74	4.08	6.4	2400	5.98	clear
0827	23.6	6.94	1581	58	4.06	0.1	3000	5.98	
0830	23.3	7.00	1582	46	4.13	-15.0	3600	6.01	
0833	23.1	7.02	1580	41	4.15	-23.4	4200	6.04	
0836	23.2	7.04	1580	38	4.23	-26.8	4800	6.04	
0839	23.2	7.05	1981	36	4.28	-31.2	5400	6.05	

Did well dewater? Yes (No)	Amount actually evacuated: 5400 ml
Sampling Time: 0844	Sampling Date: 08/11/2021
Sample I.D.: AMCO-RMW-06-15-081121	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: — @ Time	Duplicate I.D.: — @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: CF	Start Date: 8/11/21
Well I.D.: RMW-06-35	Well Diameter (inch): 6
Total Well Depth: 33.05	Depth to Water: Pre: 4.99 Post: 5.03
Depth to Free Product: ———	Thickness of Free Product (feet): ———
Referenced to: TOC	Flow Cell Type: YSI Pro Plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 25-35

Start Purge: 0836 Flow Rate: 300 ml/min Pump Depth: 30

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0839	20.3	6.78	1995	7	0.21	64.0	900	4.99	clear
0842	20.3	6.80	1969	6	0.18	47.7	1800	5.00	" "
0845	20.2	6.81	1959	5	0.15	37.0	2700	5.01	" "
0848	20.4	6.81	1958	5	0.14	35.1	3600	5.02	" "
0851	20.4	6.81	1960	4	0.17	33.0	4500	5.03	" "

Did well dewater? Yes No	Amount actually evacuated: 4500 ml
Sampling Time: 0856	Sampling Date: 8/11/21
Sample I.D.: AMCO-RMW-06-35-081121	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JR-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: JR	Start Date: 8/11/21
Well I.D.: RMW-06-61	Well Diameter (inch): 6
Total Well Depth: 60.04	Depth to Water: Pre: 5.06 Post: 5.15
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOC	Flow Cell Type: YSI Pro Plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 51-61

Start Purge: 0825 Flow Rate: 400 ml/min Pump Depth: 56

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0828	20.2	6.59	12104	22	0.62	154.1	1200	5.13	Clear
0831	20.1	6.85	12251	11	0.58	144.0	2400	5.15	
0834	20.1	7.03	12061	6	0.58	136.2	3600	5.15	
0837	20.1	7.12	11827	9	0.79	131.4	4800	5.15	
0840	20.1	7.20	11500	6	1.03	127.8	6000	5.15	
0843	20.0	7.24	11029	5	1.02	125.0	7200	5.15	
0846	20.1	7.25	10921	5	1.09	122.2	8400	5.15	

Did well dewater? Yes (No)	Amount actually evacuated: 8400 ml
Sampling Time: 0850	Sampling Date: 8/11/21
Sample I.D.: AMCO-RMW-06-61-081121	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811 JZ-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: JZ	Start Date: 8/13/21
Well I.D.: RMW-07-15	Well Diameter (inch): —
Total Well Depth:	Depth to Water: Pre: Post:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOC	Flow Cell Type: YSI

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: _____

Start Purge: _____ Flow Rate: _____ ml/min Pump Depth: _____

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
	* UNABLE TO ACCESS. UNDER STORAGE CONTAINER								
	- NO SAMPLE								

Did well dewater? Yes No	Amount actually evacuated: ml
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210B11J2-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: JR	Start Date: 8/13/21
Well I.D.: RMW-07-35	Well Diameter (inch): —
Total Well Depth:	Depth to Water: Pre: Post:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOC	Flow Cell Type: YSI

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: _____

Start Purge: _____ Flow Rate: _____ ml/min Pump Depth: _____

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
* UNABLE	TO	ACCESS	UNDER	STORAGE	CONTAINER				
	— NO	SAMPLE	TAKEN						

Did well dewater? Yes No	Amount actually evacuated: ml
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: ~~210813~~ 210811JG-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: JG	Start Date: 8/13/21
Well I.D.: RMW-08-15	Well Diameter (inch): 2
Total Well Depth: 17.99	Depth to Water: Pre: 9.50 Post: 10.48
Depth to Free Product: /	Thickness of Free Product (feet): /
Referenced to: TOC	Flow Cell Type: YSI Pro plus

Purge Method: Bladder Pump Other: ~~* mid~~ *client instructed to lower pump depth

Sampling Method: New Tubing/Bladder Other:

Screen Interval: 5-15

Start Purge: 1039 Flow Rate: 400 → 300 ml/min Pump Depth: ~~10'~~ 12'

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1042	19.7	6.08	1305	133	0.52	109.4	1200	9.73	cloudy
1045	19.7	5.89	1316	99	0.44	112.7	2400	9.98	Reduced Flow rate to 300 ml/min
1048	19.9	5.86	1324	75	0.39	111.7	3600	10.13	
1051	19.8	5.86	1327	49	0.44	108.3	4800	10.31	
1054	19.9	5.86	1327	39	0.44	108.0	6000	10.45	
1057	19.8	5.85	1329	35	0.46	107.2	7200	10.48	

Did well dewater? Yes No	Amount actually evacuated: 7200 ml
Sampling Time: 1100	Sampling Date: 8/13/21
Sample I.D.: AMCO-RMW-08-15-081321	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 2108 1132-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: JR	Start Date: 8/13/21
Well I.D.: RMW-08-35	Well Diameter (inch): 2
Total Well Depth: 38.11	Depth to Water: Pre: 9.60 Post: 9.75
Depth to Free Product: /	Thickness of Free Product (feet): /
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 25-35

Start Purge: 1202 Flow Rate: ~~700~~ 500 ml/min Pump Depth: 30

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1205	19.4	6.16	1181	604	1.43	114.2	1500	9.64	Cloudy
1208	19.4	5.83	1402	339	0.59	119.2	3000	9.65	
1211	19.3	5.84	1453	236	0.52	116.7	4500	9.72	
1214	19.3	5.83	1529	169	0.46	110.7	6000	9.73	
1217	19.3	5.86	1554	72	0.41	106.7	7500	9.73	
1220	19.3	5.91	1568	48	0.30	103.6	9000	9.74	
1223	19.4	5.92	1574	40	0.33	102.8	10500	9.74	
1226	19.3	5.92	1580	35	0.35	101.5	12000	9.75	

Did well dewater? Yes (No)	Amount actually evacuated: 12000 ml
Sampling Time: 1230	Sampling Date: 8/13/21
Sample I.D.: AMCO-RMW-08-35-081321	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: JE	Start Date: 8/11/21
Well I.D.: RMW-09-15	Well Diameter (inch):
Total Well Depth:	Depth to Water: Pre: Post:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOC	Flow Cell Type: YSI

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: _____

Start Purge: _____ Flow Rate: _____ ml/min Pump Depth: _____

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
*WELL IN ACCESSIBLE									
	- NO	SAMPLE							

Did well dewater? Yes No	Amount actually evacuated: ml
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210813JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: JE	Start Date: 8/11/21
Well I.D.: RMW-09-35	Well Diameter (inch):
Total Well Depth:	Depth to Water: Pre: Post:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOC	Flow Cell Type: YSI

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: _____

Start Purge: _____ Flow Rate: _____ ml/min Pump Depth: _____

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
* WELL	INACCESSIBLE								
	— NO	SAMPLE	TAKEN						

Did well dewater? Yes No	Amount actually evacuated: ml
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE.1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: JK	Start Date: 8/11/21
Well I.D.: RMW-09-70	Well Diameter (inch):
Total Well Depth:	Depth to Water: Pre: Post:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOC	Flow Cell Type: YSI

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: _____

Start Purge: _____ Flow Rate: _____ ml/min Pump Depth: _____

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
* WELL		IN ACCESSIBLE							

Did well dewater? Yes No	Amount actually evacuated: ml
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210812JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: CE	Start Date: 8/12/21
Well I.D.: RMW-10-15	Well Diameter (inch): 2
Total Well Depth: 18.53	Depth to Water: Pre: 8.87 Post: 8.87
Depth to Free Product: ——	Thickness of Free Product (feet): ——
Referenced to: TOC	Flow Cell Type: YSI Pro

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 5-15

Start Purge: 1419 Flow Rate: 300 ml/min Pump Depth: 10

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1422	17.8	6.49	4540	26	0.52	-70.6	900	8.90	egg odor
1425	18.2	6.55	4356	24	0.59	-81.2	1800	8.92	yellowish
1428	18.4	6.56	4318	18	0.65	-85.5	2700	8.94	" "
1431	18.7	6.57	4305	16	0.79	-88.1	3600	8.95	" "
1434	18.5	6.59	4324	15	0.84	-88.4	4500	8.96	" "
1437	18.5	6.58	4357	15	0.91	-89.4	5400	8.97	" "

Did well dewater? Yes No	Amount actually evacuated: 8.97 ml
Sampling Time: 1445	Sampling Date: 08/12/21
Sample I.D.: AMCO-RMW-10-15-081221	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811TE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: CE	Start Date: 8/12/21
Well I.D.: RMW-10-35	Well Diameter (inch): 2
Total Well Depth: 13.10	Depth to Water: Pre: 12.00 Post: 12.09
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI Pro

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: ~~3~~ 25-35 (CE)

Start Purge: 1244 Flow Rate: 400 ml/min Pump Depth: 30

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1247	18.7	6.27	31422	514	0.79	-19.2	1200	12.00	cloudy
1250	18.7	6.26	31585	408	1.11	-21.6	2400	12.01	" "
1253	18.9	6.25	31654	362	1.39	-24.4	3600	12.02	" "
1256	19.0	6.24	31688	307	1.87	-27.6	4800	12.03	" "
1259	19.0	6.23	31685	173	1.95	-28.2	5600	12.04	" "
1302	19.0	6.23	31663	172	2.03	-28.8	6800	12.05	" "
1305	18.9	6.22	31704	170	2.24	-34.5	8000	12.06	" "
1308	18.9	6.22	31713	175	2.35	-35.6	9200	12.06	" "
1311	18.8	6.22	31670	153	~~2.62~~ 2.82 (CE)	-37.3	10400	12.07	" "
1314	19.0	6.21	31569	143	3.63	-38.5	~~14~~ 11600 (CE)	12.07	" "

Did well dewater? Yes No	Amount actually evacuated: ~~6000~~ 14000 (CE) ml
Sampling Time: 1325	Sampling Date: 8/12/21
Sample I.D.: AMCO-RMW-10-35-081221	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ 1330 Time AMCO-DUP6-081221
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: CE	Start Date: 8/12/21
Well I.D.: RMW-10-35	Well Diameter (inch): 2
Total Well Depth: 38.10	Depth to Water: Pre: 12.00 Post: 12.09
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI Pro Plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 25-35

Start Purge: 1244 Flow Rate: 400 ml/min Pump Depth: 30

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1317	19.0	6.21	31670	125	3.72	-40.4	12800	12.08	" "
1320	19.0	6.21	31669	118	3.79	-41.0	14000	12.09	" "

Did well dewater? Yes (No)	Amount actually evacuated: 14000 ml
Sampling Time: 1325	Sampling Date: 8/12/21
Sample I.D.: AMCO-RMW-10-35-081221	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ 1330 Time AMCO-DUP6-081221
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JR-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: JR	Start Date: 8/12/21
Well I.D.: RMW-10-79	Well Diameter (inch): 6
Total Well Depth: 81.78	Depth to Water: Pre: 9.37 Post: 10.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOC	Flow Cell Type: YSI Pro plus

Purge Method: Bladder Pump
Sampling Method: New Tubing/Bladder

Other: Per i pump
Other:

* UNABLE TO REMOVE MODIFIED CAP TO DEPLOY BLADDER PUMP.

Screen Interval: 69.-79

Start Purge: 1332 Flow Rate: 400 ml/min Pump Depth: 74

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1335	19.9	7.30	83892	3	3.25	200.0	1200	9.95	Clear
1338	20.0	7.36	83846	2	3.04	196.9	2400	9.99	
1341	20.1	7.39	83789	1	3.00	194.5	3600	10.00	
1344	19.9	7.41	83739	1	3.10	191.3	4800	10.00	
1347	20.0	7.42	83748	1	3.09	189.3	6000	10.00	

Did well dewater? Yes No	Amount actually evacuated: 6000 ml
Sampling Time: 1350	Sampling Date: 8/12/21
Sample I.D.: AMCO-RMW-10-79-081221	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210818-JE1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: hw	Start Date: 8-13-21
Well I.D.: RMW-11-35	Well Diameter (inch): 2
Total Well Depth: 34.75	Depth to Water: Pre: 4.92 Post: 5.21
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI PRO PLUS

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 25-35

Start Purge: 0955 Flow Rate: 500→200 ml/min Sys vol: 584mL Pump Depth: 30

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0958	21.3	7.27	2765	109	0.40	128.0	1500	5.02	
1001	20.8	7.29	2756	92	0.32	115.2	3000	5.12	
1004	20.7	7.32	2731	71	0.38	102.2	4500	5.22	
1007	20.7	7.34	2711	38	0.33	93.4	6000	5.21	
1010	20.7	7.36	2704	36	0.33	88.6	7500	5.22	
1013	21.7	7.36	2703	35	0.35	83.5	8100	5.21	

Did well dewater? Yes (No)	Amount actually evacuated: 8100 ml
Sampling Time: 1015	Sampling Date: 8-13-21
Sample I.D.: AMCO-RMW-11-35-081321	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

1/2

Project #: 210811 ~~KR~~ JE-1 KR	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: KR	Start Date: 08/11/2021
Well I.D.: RMW-13-35	Well Diameter (inch): 2
Total Well Depth: ~~x~~ KR 37.77	Depth to Water: Pre: 9.05 Post: 9.53
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 25-35

Start Purge: 1246 Flow Rate: 100 ml/min Pump Depth: 30'

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1249	19.5	7.08	27148	265	1.47	-101.7	300	9.25	~~clear~~ cloudy KR
1252	19.6	7.05	27184	253	1.61	-101.3	600	9.30	
1255	19.6	7.02	27205	240	1.77	-100.5	900	9.32	
1258	19.7	7.01	27222	229	1.89	-99.9	1200	9.34	
1301	19.8	6.99	27288	218	2.06	-99.1	1500	9.36	
1304	19.5	6.98	27372	201	2.25	-98.4	1800	9.37	
1307	19.5	6.98	27339	185	2.41	-98.1	2100	9.39	
1310	19.3	6.98	27359	166	2.44	-97.8	2400	9.41	
1313	19.2	6.99	27249	151	2.82	-95.6	2700	9.43	
1316	19.5	7.00	27170	136	2.96	-93.7	3000	9.45	

Did well dewater? Yes (No)	Amount actually evacuated: 4200 ml
Sampling Time: 1333	Sampling Date: 08/12/2021
Sample I.D.: AMCO-RMW-13-35-081221	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: — @ Time	Duplicate I.D.: — @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: KR	Start Date: 08/11/2021
Well I.D.: RMW-13-35	Well Diameter (inch): 2
Total Well Depth: 37.77	Depth to Water: Pre: 9.05 Post: 9.53
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 25-35

Start Purge: 1246 Flow Rate: 100 ml/min Pump Depth: 30'

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1319	19.6	7.00	27099	134	3.02	-94.1	3300	9.47	cloudy
1322	19.6	7.00	27223	131	2.90	-95.8	3600	9.49	
1325	19.6	7.01	27119	130	3.06	-99.0	3900	9.51	
1328	19.6	7.01	27088	130	2.93	-99.1	4200	9.53	

Did well dewater? Yes (No)	Amount actually evacuated: 4200 ml
Sampling Time: ~~KA~~ KR 1333	Sampling Date: 08/12/2021
Sample I.D.: AMCO-RMW-13-35-081221	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: — @ Time	Duplicate I.D.: — @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811-JE1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: WW	Start Date: 8-12-21
Well I.D.: RMW-14-35	Well Diameter (inch): 6
Total Well Depth: 35.79	Depth to Water: Pre: 8.58 Post: 8.60
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI PRO PLUS

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 25-35

Start Purge: 0833 Flow Rate: 200 ml/min SYS vol: 584 mL Pump Depth: 30

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0836	16.6	7.81	2113	6	0.68	140.0	600	8.58	
0839	16.6	7.80	2118	18	0.64	139.7	1200	8.58	
0842	16.6	7.79	2123	18	0.59	138.2	1800	8.58	
0845	16.5	7.77	2140	18	0.46	135.2	2400	8.59	
0848	16.5	7.76	2140	18	0.40	139.1	3000	8.60	
0851	16.5	7.75	2140	20	0.34	127.1	3600	8.60	

Did well dewater? Yes (No)	Amount actually evacuated: 3600 ml
Sampling Time: 0855	Sampling Date: 8-12-21
Sample I.D.: ~~RMW-14~~ AMCO-RMW-14-35-081221	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Pg 1/2

Project #: ~~0~~ 210811JZ-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: JZ	Start Date: 8/12/21
Well I.D.: RMW-14-50	Well Diameter (inch): 2
Total Well Depth: 53.41	Depth to Water: Pre: 8.91 Post: 9.01
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 40 - 50

Start Purge: 0934 Flow Rate: 500 ml/min Pump Depth: 45

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0937	16.6	7.07	9532	512	10.17	142.3	1500	8.91	Cloudy, Bubbles observed in tubing
0940	16.6	7.09	9132	472	10.06	141.7	3000	8.91	
0943	16.6	7.09	8837	409	10.31	141.6	4500	8.94	
0946	16.6	7.06	8748	380	9.43	141.8	6000	8.95	
0949	16.6	7.03	8676	357	9.16	142.2	7500	8.96	
0952	16.6	7.02	8625	355	9.12	142.6	9000	8.96	
0955	16.6	7.01	8572	355	9.05	143.5	10500	8.97	
0958	16.6	7.00	8548	358	8.92	143.8	12000	8.97	
1001	16.6	7.00	8507	361	8.80	144.7	13500	8.97	
1004	16.6	6.98	8491	365	8.41	145.2	15000	8.99	

Did well dewater? Yes (No)	Amount actually evacuated: 18000 ml
Sampling Time: 1015	Sampling Date: 8/12/21
Sample I.D.: AMCO-RMW-14-50-081221	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

pg 2/2

Project #: 208112-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: JZ	Start Date: 8/12/21
Well I.D.: RMW-14-50	Well Diameter (inch): 2
Total Well Depth: 53.41	Depth to Water: Pre: 8.91 Post: 9.01
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI Pro plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 40-50

Start Purge: 0934 Flow Rate: 500 ml/min Pump Depth: 45

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1007	16.6	6.97	8473	374	8.54	146.1	16500	8.99	cloudy, bubbles observed in tubing
1010	16.6	6.96	8466	376	8.58	146.9	18000	9.01	⊥
* SAMPLED PER CLIENT INSTUCTION. ALL PARAMETERS STABLE. *									

Did well dewater? Yes (No)	Amount actually evacuated: 18000 ml
Sampling Time: 1015	Sampling Date: 8/12/21
Sample I.D.: AMCO-RMW-14-50-081221	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 2081132-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: JZ	Start Date: 8/13/21
Well I.D.: RMW-15-15	Well Diameter (inch): 6
Total Well Depth: 17.43	Depth to Water: Pre: 9.00 Post: 9.28
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 5-15

Start Purge: 1302 Flow Rate: 900 ml/min Pump Depth: ~~@12.5~~ 12'

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1305	19.8	6.16	1841	13	0.79	92.8	900	9.08	Clear
1308	19.8	6.07	1832	12	0.60	93.1	1800	9.28	
1311	19.8	6.04	1831	10	0.44	92.3	2700	9.28	
1314	19.8	6.02	1831	8	0.42	90.9	3600	9.28	
1317	19.7	5.98	1833	7	0.44	90.0	4500	9.28	

Did well dewater? Yes (No)	Amount actually evacuated: 4500 ml
Sampling Time: 1320	Sampling Date: 8/13/21
Sample I.D.: AMCO-RMW-15-15-08132	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: ~~210813~~ 210811 JZ-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: JZ	Start Date: 8/13/21
Well I.D.: RMW-15-35	Well Diameter (inch): 6
Total Well Depth: 37.12	Depth to Water: Pre: 8.70 Post: 8.99
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 25-35

Start Purge: 1347 Flow Rate: 300 ml/min Pump Depth: 30

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1350	19.7	6.73	1482	13	0.60	96.5	900	8.99	clear
1353	19.8	6.40	1483	12	0.44	98.5	1800	8.99	
1356	19.8	6.29	1485	12	0.38	95.1	2700	8.99	
1359	19.8	6.31	1485	11	0.33	92.8	3600	8.99	
1402	19.8	6.24	1484	11	0.32	89.4	4500	8.99	

Did well dewater? Yes (No)	Amount actually evacuated: 4500 ml
Sampling Time: 1405	Sampling Date: 8/13/21
Sample I.D.: AMCO-RMW-15-35-08132	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: Z10811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: CE	Start Date: 8/11/21
Well I.D.: RMW-16W-15	Well Diameter (inch): 6
Total Well Depth: 14.50	Depth to Water: Pre: 3.85 Post: 3.91
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI Pro Plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 5-15

Start Purge: 0956 Flow Rate: 300 ml/min Pump Depth: 10

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0959	23.0	6.40	609	5	6.82	58.3	900	3.85	clear
~~0~~ CE 1002	23.3	6.37	602	5	7.40	61.9	1800	3.86	" "
1005	23.3	6.36	605	6	6.35	63.5	2700	3.87	" "
1008	23.3	6.36	599	5	5.59	64.1	3600	3.88	" "
1011	23.4	6.35	603	6	4.63	64.5	4500	3.89	" "
1014	23.4	6.35	598	5	4.27	64.5	5400	3.90	" "
1017	23.4	6.35	598	5	4.21	64.6	6300	3.91	" "
1020	23.5	6.35	602	6	4.10	64.7	7200	3.91	" "

Did well dewater? Yes No	Amount actually evacuated: 7200 ml
Sampling Time: 1025	Sampling Date: 8/11/21
Sample I.D.: AMCO-RMW-16W-15-081121	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: AMCO-081121-TB @ 0943 Time	Duplicate I.D.: ~~AMCO-081121-~~ CE DUP8-081121 @ 1030 Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811 JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: KR	Start Date: 08/11/2021
Well I.D.: RMW-16-~~25~~ 35 (KR)	Well Diameter (inch): 6
Total Well Depth: 34.50	Depth to Water: Pre: 3.97 Post: 4.06
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 25-35

Start Purge: 0940 Flow Rate: 200 ml/min Pump Depth: 30'

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0943	21.6	7.83	879	20	0.64	-139.1	600	3.99	clear
0946	21.6	7.72	884	12	0.48	-155.0	1200	4.03	
0949	21.4	7.56	888	10	0.36	-168.4	1800	4.05	
0952	21.5	7.48	884	8	0.49	-166.4	2400	4.06	
0955	21.5	7.46	885	7	0.53	-164.3	3000	4.06	

Did well dewater? Yes (No)	Amount actually evacuated: 3000 ml
Sampling Time: 1000	Sampling Date: 08/11/2021
Sample I.D.: AMCO-RMW-16-35-081121	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: _____ @ Time	Duplicate I.D.: _____ @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: KR	Start Date: 08/11/2021
Well I.D.: RMW-16-61	Well Diameter (inch): 6
Total Well Depth: 58.05	Depth to Water: Pre: 4.00 Post: 4.00
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 51-61

Start Purge: 1058 Flow Rate: 200 ml/min Pump Depth: 56'

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1101	22.8	7.64	224.6	31	5.28	-115.1	600	4.00	clear
1104	23.4	7.61	194.5	22	4.63	-111.1	1200	4.00	
1107	23.6	7.62	187.6	17	4.56	-110.3	1800	4.00	
1110	23.7	7.70	179.2	14	4.50	-134.1	2400	4.00	
1113	23.5	7.75	177.3	13	4.55	-139.4	3000	4.00	
1116	23.3	7.80	175.5	12	4.60	-139.5	3600	4.00	

Did well dewater? Yes No	Amount actually evacuated: 3600 ml
Sampling Time: 1121	Sampling Date: 08/11/2021
Sample I.D.: AMCO-RMW-16-61-081121	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: — @ Time	Duplicate I.D.: — @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JR-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: JR	Start Date: 8/11/21
Well I.D.: RMW-17-35	Well Diameter (inch): 6
Total Well Depth: 34.30	Depth to Water: Pre: 4.77 Post: 4.97
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI Pro Plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 25-35

Start Purge: 1120 Flow Rate: 500 ml/min Pump Depth: 30

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1123	18.6	6.79	16160	16	0.53	121.9	1500	4.90	Clear
1126	18.6	6.49	16290	15	0.46	124.0	3000	4.95	|
1129	18.6	6.30	16232	13	0.51	125.0	4500	4.96	|
1132	18.6	6.24	16198	13	0.45	125.2	6000	4.96	|
1135	18.5	6.21	16207	12	0.38	125.0	7500	4.97	|
1138	18.5	6.20	16244	10	0.33	124.9	9000	4.97	|

Did well dewater? Yes No	Amount actually evacuated: 9000 ml
Sampling Time: 1140	Sampling Date: 8/11/21
Sample I.D.: AMCO-RMW-17-35-081121	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: JE	Start Date: 8/11/21
Well I.D.: RMW-17-70	Well Diameter (inch): 6
Total Well Depth: 68.80	Depth to Water: Pre: 4.95 Post: 5.00
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 60-70

Start Purge: 1025 Flow Rate: 400 ml/min Pump Depth: 65

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1028	18.5	7.18	31138	9	0.45	137.1	1200	5.00	Clear
1031	18.3	7.19	31413	8	0.34	136.7	2400	5.00	
1034	18.4	7.20	31633	8	0.31	135.5	3600	5.00	
1037	18.4	7.17	31715	7	0.24	134.4	4800	5.00	
1040	18.4	7.15	31748	6	0.22	133.6	6000	5.00	

Did well dewater? Yes (No)	Amount actually evacuated: 6000 ml
Sampling Time: 1045	Sampling Date: 8/11/21
Sample I.D.: AMCO-RMW-17-70-081121	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: CE	Start Date: 8/12/21
Well I.D.: RMW-18-35	Well Diameter (inch): 6
Total Well Depth: 38.40	Depth to Water: Pre: 6.46 Post: 6.49
Depth to Free Product: ——	Thickness of Free Product (feet): ——
Referenced to: TOC	Flow Cell Type: YSI Pro Plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 25-35

Start Purge: 0930 Flow Rate: 400 ml/min Pump Depth: 30

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0933	19.8	6.55	76920	4	0.41	-86.1	1200	6.46	clear
0936	19.8	6.54	77107	5	0.48	-84.7	2400	6.47	" "
0939	19.8	6.52	77358	2	0.75	-83.1	3600	6.47	" "
0942	19.6	6.54	77449	2	1.01	-82.5	4800	6.48	" "
0945	19.6	6.51	77479	2	1.07	-82.5	6000	6.48	" "
0948	19.6	6.51	77308	2	1.12	-82.4	7200	6.49	" "

Did well dewater? Yes (No)	Amount actually evacuated: 7200 ml
Sampling Time: 0955	Sampling Date: 8/12/21
Sample I.D.: AMCO-RMW-18-35-081221	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811 21JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: CE	Start Date: 8/12/21
Well I.D.: RMW-18-79	Well Diameter (inch): 6
Total Well Depth: 76.59	Depth to Water: Pre: 9.55 Post: 9.56
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI Pro Plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 69-79

Start Purge: 0836 Flow Rate: 400 ml/min Pump Depth: 79

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0839	18.7	6.53	80984	7	0.66	-48.6	1200	9.55	clear
0842	18.6	6.74	81535	7	0.45	-63.5	2400	9.55	" "
0845	18.6	6.79	81603	7	0.38	-70.5	3600	9.56	" "
0848	18.6	6.82	81589	9	0.34	-73.5	4800	9.56	" "
0851	18.6	6.82	81598	8	0.29	-74.0	6000	9.56	" "

Did well dewater? Yes No	Amount actually evacuated: 6000 ml
Sampling Time: 0856	Sampling Date: 08/12/21
Sample I.D.: AMCO-RMW-18-79-081221	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: AMCO-081221-TB @ 0805 Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811-JF21	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: NW	Start Date: 8-12-21
Well I.D.: RMW-19-15	Well Diameter (inch): 4
Total Well Depth: 17.78	Depth to Water: Pre: 8.06 Post: 8.13
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI PRO PLUS

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 5-15

Start Purge: 0730 Flow Rate: 200 ml/min 545 vol. 502 ml Pump Depth: @ ~~to~~ 11.53

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0733	19.8	7.36	4333	23	0.97	51.6	600	8.08	
0736	19.9	7.36	4320	21	0.68	50.1	1200	8.10	
0739	20.0	7.37	4317	19	0.63	47.6	1800	8.12	
0742	19.8	7.40	4313	20	0.63	43.8	2400	8.13	
0745	20.0	7.41	4313	19	0.59	41.7	3000	8.13	

Did well dewater? Yes (No)	Amount actually evacuated: 3000 ml
Sampling Time: 0750	Sampling Date: 8-12-21
Sample I.D.: AMCO-RMW-19-15-081221	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811 JR-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: JR	Start Date: 8/12/21
Well I.D.: RMW-19-35	Well Diameter (inch): 4
Total Well Depth: 37.10	Depth to Water: Pre: 8.45 Post: 8.75
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOC	Flow Cell Type: YSI Pro plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 25-35

Start Purge: 0728 Flow Rate: 400 ml/min Pump Depth: 30

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0731	19.3	7.18	2876	32	3.61	105.9	1200	8.74	Bubbles observed in tubing
0734	19.1	7.18	2880	23	2.64	97.0	2400	8.70	clear
0737	19.1	7.19	2882	21	1.70	89.8	3600	8.75	
~~0736~~ 0740	19.1	7.20	2884	18	0.97	86.6	4800	8.75	
0743	19.1	7.21	2882	21	0.87	82.8	6000	8.75	

Did well dewater? Yes (No)	Amount actually evacuated: 6000 ml
Sampling Time: 0750	Sampling Date: 8/12/21
Sample I.D.: AMCO-RMW-19-35-081221	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

1/2

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: KR	Start Date: 08/11/2021
Well I.D.: RMW-19-80	Well Diameter (inch): 4
Total Well Depth: 82.20	Depth to Water: Pre: 10.52 Post: 10.60
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 70-80

Start Purge: 0732 Flow Rate: 100→200 ml/min Pump Depth: 75'

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0735	19.2	6.84	66923	140	2.98	109.9	300	10.52	~~clear~~ KR
0738	19.2	6.98	74811	121	1.84	51.0	900	10.55	cloudy
0741	19.2	7.06	86282	105	1.28	-12.4	1500	10.60	
0744	19.2	6.93	89738	253	0.78	-7.0	2100	10.60	
0747	19.1	6.91	90299	243	0.51	-17.4	2700	10.60	
0750	19.1	6.91	90362	180	0.48	-23.4	3300	10.60	
0753	19.3	6.93	90401	123	0.54	-40.4	3900	10.60	
0756	19.4	6.94	90489	100	0.78	-43.3	4500	10.60	
0759	19.4	6.95	90568	84	0.88	-51.6	5100	10.60	
0802	19.4	6.96	90403	77	0.70	-62.1	5700	10.60	

Did well dewater? Yes (No)	Amount actually evacuated: 13200 ml
Sampling Time: 0822	Sampling Date: 08/12/2021
Sample I.D.: AMCO-RMW-19-80-081221	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: — @ Time	Duplicate I.D.: — @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: KR	Start Date: 8/11/2021
Well I.D.: RMW-19-80	Well Diameter (inch): 4
Total Well Depth: 82.20	Depth to Water: Pre: 10.52 Post: 10.60
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 70-80

Start Purge: 0732 Flow Rate: 200-500 ml/min Pump Depth: 75'

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0805	19.3	7.24	90212	76	1.07	-160.8	~~6300~~ 7200	10.60	200→500
0808	19.1	7.20	90144	74	1.56	-146.1	~~6900~~ 8700	10.60	cloudy
0811	19.1	7.19	89856	72	1.26	-138.8	10200	10.60	
0814	19.0	7.19	89994	71	1.35	-137.3	11700	10.60	
0817	19.0	7.20	89924	72	1.34	-141.2	13200	10.60	

Did well dewater? Yes No	Amount actually evacuated: 13200 ml
Sampling Time: 0822	Sampling Date: 08/12/2021
Sample I.D.: AMCO-RMW-19-80-081221	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: — @ Time	Duplicate I.D.: — @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811 JK-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: JK	Start Date: 8/13/21
Well I.D.: X01	Well Diameter (inch): 4
Total Well Depth: 24.31	Depth to Water: Pre: 5.50 Post: 5.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOC	Flow Cell Type: YSI Pro plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 3-23

Start Purge: 0828 Flow Rate: 500 ml/min Pump Depth: ~~19~~ 10'

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0831	20.4	6.26	1535	18	0.24	151.7	1500	5.50	Black particles observed
0834	20.5	6.29	1519	10	0.27	139.2	3000	5.50	
0837	20.5	6.31	1519	9	0.31	131.1	4500	5.50	
0840	20.4	6.33	1519	8	0.32	126.2	6000	5.50	
0843	20.4	6.36	1518	8	0.28	120.2	7500	5.50	
0846	20.4	6.35	1518	7	0.28	118.1	9000	5.50	

Did well dewater? Yes (No)	Amount actually evacuated: 9000 ml
Sampling Time: 0850	Sampling Date: 8/13/21
Sample I.D.: AMCO-X01-081321	Laboratory: EPA Region 9
Analyzed for: SEE COC MS/MSD collected (13 Bottles)	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210813JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: CE	Start Date: 8/13/21
Well I.D.: X-04	Well Diameter (inch): 4
Total Well Depth: 24.40	Depth to Water: Pre: 6.17 Post: 6.21
Depth to Free Product: ——	Thickness of Free Product (feet): ——
Referenced to: TOC	Flow Cell Type: YSI Pro Plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 3-23

Start Purge: 0930 Flow Rate: 400 ml/min Pump Depth: 10

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0933	21.3	6.91	1828	43	0.15	-159.7	1200	6.17	black bits
0936	21.3	6.92	1829	26	0.10	~~-16~~ -168.5	2400	6.18	" "
0939	21.4	6.91	1819	21	0.09	-174.1	3600	6.19	" "
0942	21.1	6.90	1826	14	0.11	-178.1	4800	6.20	" "
0945	21.0	6.90	1827	13	0.15	-178.6	6000	6.21	" "

Did well dewater? Yes No	Amount actually evacuated: 6000 ml
Sampling Time: 0950	Sampling Date: 08/13/21
Sample I.D.: AMCO-X-04-081321	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811CE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: CE	Start Date: 08/13/21
Well I.D.: X-05	Well Diameter (inch): 4
Total Well Depth: Product	Depth to Water: Pre: 7.56 Post: Product
Depth to Free Product: 6.46	Thickness of Free Product (feet): 1.10
Referenced to: TOC	Flow Cell Type: YSI Pro Plus

Purge Method: ~~Bladder Pump~~ CE Other: Peri Pump

Sampling Method: New Tubing/Bladder Other:

Screen Interval: 3-23

Start Purge: 0808 Flow Rate: 300 ml/min Pump Depth: 13

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0811	18.1	6.69	2160	17	0.17	-150.6	900	Product	odor
0814	18.4	6.70	2154	17	0.15	-159.9	1800	"	"
0817	18.5	6.73	2153	17	0.16	-167.2	2700	"	"
0820	18.4	6.71	2156	17	0.19	-173.4	3600	"	"
0823	18.4	6.70	2152	17	0.25	-177.2	4500	"	"

Did well dewater? Yes No	Amount actually evacuated: 4500 ml
Sampling Time: 0830	Sampling Date: 8/13/21
Sample I.D.: AMCO-X-05-081321	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: AMCO-081321-TB @ 0840 Time	Duplicate I.D.: AMCO-DUP1-081321 @ 0835 Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: KR	Start Date: 08/11/2021
Well I.D.: ~~X-19~~ (KR) X-13	Well Diameter (inch): 4
Total Well Depth: —	Depth to Water: Pre: 6.01 Post: —
Depth to Free Product: 6.0	Thickness of Free Product (feet): ~~6~~ (KR) 0.01
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: ~~Bladder Pump~~ (KR) (Other: peripump)

Sampling Method: (New Tubing/Bladder) Other: _____

Screen Interval: 3-23

Start Purge: 0941 Flow Rate: 300 ml/min Pump Depth: 10

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0944	22.1	6.90	2797	9	0.13	-107.4	900	—	odor, black
0947	22.2	7.03	2793	7	0.17	-150.5	1800	—	yellow oil
0950	22.2	7.08	7790	7	0.20	-174.3	2700	—	black particu-
0953	22.3	7.12	2788	5	0.22	-180.9	3600	—	lates
0956	22.3	7.13	2786	5	0.28	-185.5	4500	—	bubbly
0959	22.3	7.15	2787	5	0.30	-190.5	5400	—	

Did well dewater? Yes (No)	Amount actually evacuated: 5400 ml
Sampling Time: 1004	Sampling Date: 08/13/2021
Sample I.D.: AMCO-X-13-081321	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: — @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811-JE1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: MW	Start Date: 8-13-21
Well I.D.: X-14	Well Diameter (inch): 4
Total Well Depth: 23.50	Depth to Water: Pre: 5.23 Post: 5.53
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI PRO PLUS

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 3-23

Start Purge: 1405 Flow Rate: 200 ml/min SYS vol: 495 mL Pump Depth: 10

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1408	22.2	7.54	3760	43	0.15	-144.3	600	5.29	Odor yellow
1411	22.5	7.58	3754	44	0.23	-148.3	1200	5.35	"
1414	22.6	7.66	3768	46	0.20	-157.4	1800	5.41	"
1417	22.7	7.74	3779	48	0.16	-163.9	2400	5.46	"
1420	22.6	7.74	3777	49	0.14	-165.9	3000	5.53	"

Did well dewater? Yes (No)	Amount actually evacuated: 3000 ml
Sampling Time: 1425	Sampling Date: 8-13-21
Sample I.D.: ~~X-1~~ AMCO-X-14-081321	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: KR	Start Date: 08/11/2021
Well I.D.: X-15	Well Diameter (inch): 4
Total Well Depth: —	Depth to Water: Pre: 5.77 Post: —
Depth to Free Product: 5.75	Thickness of Free Product (feet): 0.02
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: ~~Bladder Pump~~ Other: perri pump

Sampling Method: New Tubing/Bladder Other:

Screen Interval: 3-23

Start Purge: 1120 Flow Rate: 300 ml/min Pump Depth: 10'

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1123	24.7	6.93	2713	10	0.45	-107.9	900	—	odor, black
1126	24.5	6.93	2715	9	0.45	-117.8	1800	—	
1129	24.3	6.94	2716	8	0.45	-123.9	2700	—	
1132	24.2	6.94	2717	8	0.45	-129.6	3600	—	
1135	24.2	6.95	2718	7	0.47	-133.9	4500	—	

Did well dewater? Yes No	Amount actually evacuated: 4500 ml
Sampling Time: 1140	Sampling Date: 08/13/2021
Sample I.D.: AMCO-X-15-081321	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: — @ Time	Duplicate I.D.: MS/MSD @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: KB	Start Date: 08/11/2021
Well I.D.: X-19	Well Diameter (inch): 4
Total Well Depth: —	Depth to Water: Pre: 5.51 Post: —
Depth to Free Product: 5.50	Thickness of Free Product (feet): 0.01
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: ~~Bladder Pump~~ Other: peri pump

Sampling Method: New Tubing/Bladder Other:

Screen Interval: 3-32

Start Purge: 0808 Flow Rate: 300 ml/min Pump Depth: 10'

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
0811	22.7	6.62	3371	44	0.14	-52.1	900	—	black
0814	22.8	6.70	3362	10	0.20	-54.8	1800	—	yellow
0817	22.8	6.77	3349	7	0.26	-58.6	2700	—	
0820	22.7	6.83	3346	4	0.64	-83.3	3600	—	
0823	23.0	6.86	3347	5	0.60	-105.3	4500	—	
0826	23.0	6.87	3349	4	0.60	-119.6	5400	—	
0829	23.0	6.88	3344	4	0.56	-138.0	6300	—	
0832	23.2	6.88	3345	3	0.52	-144.0	7200	—	
0835	23.1	6.89	3345	3	0.49	-148.0	8100	—	

Did well dewater? Yes (No)	Amount actually evacuated: 8100 ml
Sampling Time: 0840	Sampling Date: 08/13/2021
Sample I.D.: AMCO-X-19-081321	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: — @ Time	Duplicate I.D.: — @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: KR	Start Date: 08/11/2021
Well I.D.: x-21	Well Diameter (inch): 4
Total Well Depth: —	Depth to Water: Pre: 5.19 Post: —
Depth to Free Product: 5.10	Thickness of Free Product (feet): 0.09
Referenced to: TOC	Flow Cell Type: YSI

Purge Method: ~~Bladder Pump~~ KR Other: perri pump

Sampling Method: New Tubing/Bladder Other:

Start Purge: ~~1039~~ 1031 KR Flow Rate: 300 ml/min Screen Interval: 3-23 Pump Depth: 10

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
34 ~~1042~~ KR	24.2	6.67	2607	7	0.63	-116.0	900	—	black, odor
1037	24.4	6.67	2613	7	0.66	-122.0	1800	—	yellow
1040	24.4	6.68	2608	5	0.60	-134.9	2700	—	>clear
1043	24.4	6.68	2605	5	0.58	-137.9	3600	—	bubbles
1046	24.4	6.69	2604	4	0.57	-140.3	4500	—	

Did well dewater? Yes (No)	Amount actually evacuated: 4500 ml
Sampling Time: 1051	Sampling Date: 08/13/2021
Sample I.D.: AMCO-x-21-081321	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: — @ Time	Duplicate I.D.: — @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: CE	Start Date: 08/13/21
Well I.D.: X-24	Well Diameter (inch):
Total Well Depth:	Depth to Water: Pre: Post:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: TOC	Flow Cell Type: YSI

Purge Method: Bladder Pump Other:

Sampling Method: New Tubing/Bladder Other:

Screen Interval:

Start Purge: Flow Rate: ml/min Pump Depth:

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
*	Well	was	~~inaccessible~~		CE	inaccessible			
		-no	sample						

Did well dewater? Yes No	Amount actually evacuated: ml
Sampling Time:	Sampling Date:
Sample I.D.:	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811217E-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: CE	Start Date: 8/13/21
Well I.D.: X-25	Well Diameter (inch): 4
Total Well Depth: Product	Depth to Water: Pre: 7.66 Post: Product
Depth to Free Product: 7.51	Thickness of Free Product (feet): .15
Referenced to: TOC	Flow Cell Type: YSI Pro Plus

Purge Method: ~~Bladder Pump~~ (CE) Other: Peri Pump

Sampling Method: New Tubing/Bladder Other:

Screen Interval: 3-32

Start Purge: 1303 Flow Rate: 400 ml/min Pump Depth: 10

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1306	22.7	8.30	3285	23	0.14	-152.4	1200	Product	Yellowish
1309	22.6	8.30	3293	20	0.11	-176.6	2400	" "	" "
1312	22.8	8.28	3295	20	0.09	-184.9	3600	" "	" "
1315	22.7	8.29	3303	21	0.09	-194.9	4800	" "	" "
1318	22.5	8.28	3304	20	0.08	-198.4	6000	" "	" "
1321	22.6	8.28	3303	22	0.08	-202.2	7200	" "	" "

Did well dewater? Yes (No)	Amount actually evacuated: 7200 ml
Sampling Time: 1326	Sampling Date: 8/13/21
Sample I.D.: AMCO-X-25-081321	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ 1331 Time AMCO-Dup3-081321
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210813JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: CE	Start Date: 08/13/21
Well I.D.: ~~X~~ (CE) X-29	Well Diameter (inch): 4
Total Well Depth: ~~Product~~	Depth to Water: Pre: 4.86 Post: Product
Depth to Free Product: 4.85	Thickness of Free Product (feet): .01
Referenced to: TOC	Flow Cell Type: YSI Pro Plus

Purge Method: ~~Bladder Pump~~ (CE) (Other:) Peri Pump

Sampling Method: (New Tubing) Bladder Other: _____

Screen Interval: 3-32

Start Purge: 1100 Flow Rate: 400 ml/min Pump Depth: 10

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1103	24.1	6.80	1692	5	0.12	-162.0	1200	Product	Odor/clear
1106	24.1	6.80	1689	5	0.12	-169.0	2400	" "	" "
1109	24.0	6.80	1687	4	0.12	-171.1	3600	" "	" "
1112	24.1	6.80	1688	3	0.16	-173.8	4800	" "	" "
1115	24.1	6.79	1690	3	0.20	-175.0	6000	" "	" "

Did well dewater? Yes (No)	Amount actually evacuated: 6000 ml
Sampling Time: 1120	Sampling Date: 8/13/21
Sample I.D.: AMCO-X-29-081321	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ 1125 Time AMCO-DUP2-081321
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: KR	Start Date: 08/11/2021
Well I.D.: X-33S	Well Diameter (inch): 4
Total Well Depth: —	Depth to Water: Pre: 7.59 Post: —
Depth to Free Product: 7.58	Thickness of Free Product (feet): 0.01
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: ~~Bladder Pump~~ (Peri) Other: peri pump

Sampling Method: New Tubing/Bladder Other:

Screen Interval: 3-47

Start Purge: 1400 Flow Rate: 300 ml/min Pump Depth: 15'

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1403	24.4	6.63	937	7	0.39	-105.6	900	—	odor, clear
1406	24.4	6.63	936	6	0.46	-108.3	1800	—	bubbles
1409	24.5	6.64	936	4	0.41	-111.9	2700	—	
1412	24.5	6.64	935	4	0.42	-113.9	3600	—	
1415	24.5	6.64	935	4	0.43	-116.1	4500	—	

Did well dewater? Yes (No)	Amount actually evacuated: 4500 ml
Sampling Time: 1420	Sampling Date: 08/13/2021
Sample I.D.: AMCO-X-33-081321-S	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: — @ Time	Duplicate I.D.: — @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: KR	Start Date: 08/11/2021
Well I.D.: X-33 1	Well Diameter (inch): 4
Total Well Depth: —	Depth to Water: Pre: 7.59 Post: —
Depth to Free Product: 7.58	Thickness of Free Product (feet): 0.01
Referenced to: TOC	Flow Cell Type: YSI proplus

Purge Method: ~~Bladder Pump~~ Other: perri pump

Sampling Method: New Tubing/Bladder Other:

Screen Interval: 3-47

Start Purge: 1333 Flow Rate: 400 ml/min Pump Depth: 30'

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1336	24.1	6.71	924	7	0.69	-123.4	1200	—	odor, clear,
1339	24.3	6.65	927	7	0.55	-112.1	2400	—	bubbles
1342	24.3	6.65	922	5	0.55	-110.7	3600	—	
1345	24.2	6.65	923	5	0.54	-111.1	4800	—	
1348	24.4	6.65	920	4	0.55	-113.8	6000	—	

Did well dewater? Yes No	Amount actually evacuated: 6000 ml
Sampling Time: 1353	Sampling Date: 08/13/2021
Sample I.D.: AMCO-X-33-081321-1	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: — @ Time	Duplicate I.D.: — @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: KR	Start Date: 08/19/2021
Well I.D.: X-33D	Well Diameter (inch): 4
Total Well Depth: —	Depth to Water: Pre: 7.59 Post: —
Depth to Free Product: 7.58	Thickness of Free Product (feet): 0.01
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: ~~Bladder Pump~~ (KR) (Other:) peri pump

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 3-47

Start Purge: 1303 Flow Rate: 400 ml/min Pump Depth: 45'

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1306	24.6	7.21	933	9	0.74	-112.1	1200	—	odor, bubbles
1309	24.7	7.06	927	8	0.70	-112.9	2400	—	clear
1312	24.7	6.83	922	6	0.66	-113.8	3600	—	
1315	24.7	6.78	918	5	0.64	-115.0	4800	—	
1318	24.7	6.72	915	6	0.62	-117.8	6000	—	

Did well dewater? Yes (No)	Amount actually evacuated: 6000 ml
Sampling Time: 1323	Sampling Date: 08/13/2021
Sample I.D.: AMCO-X-33-081321-D	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: — @ Time	Duplicate I.D.: — @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: ~~210872~~ 210811JR-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: JR	Start Date: 8/11/21
Well I.D.: X-46 (shallow)	Well Diameter (inch): 4
Total Well Depth: 45.88	Depth to Water: Pre: 3.78 Post: 3.90
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: Bladder Pump

Sampling Method: New Tubing/Bladder

Other:

Other: Same tubing/bladder from Deep/intermediate interval

Screen Interval: 3-47

Start Purge: 1411 Flow Rate: 500 ml/min Pump Depth: 10

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1414	26.5	6.72	584	8	1.32	-33.2	1500	3.90	Clear
1417	26.5	6.69	589	8	1.31	-38.1	3000	3.90	
1420	26.6	6.73	587	8	1.36	-44.0	4500	3.90	
1423	26.5	6.77	583	8	1.37	-49.1	6000	3.90	
1426	26.8	6.75	587	8	1.38	-50.7	7500	3.90	

Did well dewater? Yes (No)	Amount actually evacuated: 7500 ml
Sampling Time: 1430	Sampling Date: 8/11/21
Sample I.D.: AMCO-X-46-081121-S	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: ~~210821~~ 210811JR-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: JR	Start Date: 8/11/21
Well I.D.: X-46 (Intermediate)	Well Diameter (inch): 4
Total Well Depth: 45.88	Depth to Water: Pre: 3.78 Post: 3.78
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: Same tubing/Bladder from Deep interval

Screen Interval: 3-47

Start Purge: 1345 Flow Rate: 500 ml/min Pump Depth: 30

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1348	26.9	6.60	645	9	2.06	-15.6	1500	3.78	Clear
1351	26.7	6.67	641	9	2.12	-27.5	3000	3.78	
1354	27.0	6.71	638	9	1.94	-36.7	4500	3.78	
1357	26.9	6.73	637	8	1.95	-42.9	6000	3.78	
1400	26.6	6.73	633	8	1.95	-44.2	7500	3.78	

Did well dewater? Yes (No)	Amount actually evacuated: 7500 ml
Sampling Time: 1405	Sampling Date: 8/11/21
Sample I.D.: AMCO-X-46-081121-1	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: — @ Time	Duplicate I.D.: — @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JZ-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: JZ	Start Date: 8/11/21
Well I.D.: X-46 (Deep)	Well Diameter (inch): 4
Total Well Depth: 45.88	Depth to Water: Pre: 3.77 Post: 3.78
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI for pins

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 3-47

Start Purge: 1315 Flow Rate: 500 ml/min Pump Depth: 45

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1318	26.6	6.77	763	13	1.24	73.9	1500	3.78	Clear
1321	27.1	6.66	696	8	1.96	23.3	3000	3.78	
1324	27.1	6.68	689	8	2.23	-2.3	4500	3.78	
1327	27.1	6.69	692	7	2.35	-14.4	6000	3.78	
1330	27.0	6.69	689	7	2.55	-24.8	7500	3.78	
1333	26.8	6.68	686	6	2.60	-29.9	9000	3.78	
1336	26.9	6.68	684	6	2.62	-32.3	10500	3.78	

Did well dewater? Yes (No)	Amount actually evacuated: 10500 ml
Sampling Time: 1340	Sampling Date: 8/11/21
Sample I.D.: Amco-X-46-081121-D	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: CE	Start Date: 08/11/21
Well I.D.: X-49-S	Well Diameter (inch): 4
Total Well Depth: 41.80	Depth to Water: Pre: 3.62 Post: 3.64
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI Pro Plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 3-47

Start Purge: 1437 Flow Rate: 300 ml/min Pump Depth: 10

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1440	25.2	7.05	1240	7	0.10	-132.3	900	3.62	clear
1443	25.3	7.05	1237	7	0.10	-140.5	1800	3.62	" "
1446	25.4	7.03	1237	7	0.12	-144.3	2700	3.63	" "
1449	25.3	7.04	1238	7	0.14	-146.7	3600	3.63	" "
1452	25.4	7.03	1235	7	0.14	-149.6	4500	3.64	" "

Did well dewater? Yes No	Amount actually evacuated: 4500 ml
Sampling Time: 1458	Sampling Date: 08/11/21
Sample I.D.: AMCO-X-49-081121-S	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: CE	Start Date: 08/11/21
Well I.D.: X-49-I	Well Diameter (inch): 4
Total Well Depth: 41.80	Depth to Water: Pre: 3.60 Post: 3.64
Depth to Free Product: ———	Thickness of Free Product (feet): ———
Referenced to: TOC	Flow Cell Type: YSI Pro Plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 3-47

Start Purge: 1341 Flow Rate: 300 ml/min Pump Depth: 30

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1344	24.7	6.80	1274	15	0.25	-75.5	900	3.60	clear
1347	24.5	6.87	1259	9	0.22	-93.8	1800	3.61	" "
1350	24.8	6.92	1252	8	0.22	-106.8	2700	3.62	" "
1353	24.5	6.95	1254	8	0.23	-114.1	3600	3.63	" "
1356	24.5	6.95	1254	7	0.22	-116.3	4500	3.64 ~~3.66~~	" "
1359	24.5	6.96	1252	7	0.22	-119.9	5400	3.64	" "

Did well dewater? Yes No	Amount actually evacuated: 5400 ml
Sampling Time: 1405	Sampling Date: 08/11/21
Sample I.D.: AMCO-X-49-081121-I	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: MS/MSD @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811 JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: CE	Start Date: 8/11/21
Well I.D.: X-49-D	Well Diameter (inch): 4
Total Well Depth: 41.80	Depth to Water: Pre: 3.60 Post: 3.64
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI Pro Plus

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 3-47

Start Purge: 1140 Flow Rate: 300 ml/min Pump Depth: 45

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1143	25.4	6.98	1282	19	0.54	-8.8	900	3.60	clear
1146	24.9	6.99	1284	22	0.53	-10.7	1800	3.61	clear
1149	25.4	6.99	1282	28	0.46	-11.8	2700	3.62	clear
1152	25.5	6.99	1289	30	0.42	-13.5	3600	3.63	clear
1155	25.5	6.99	1287	30	0.40	-14.4	4500	3.64	clear

Did well dewater? Yes No	Amount actually evacuated: 4500 ml
Sampling Time: 1200	Sampling Date: 8/11/21
Sample I.D.: AMCO-X-49-081121-D	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: KR	Start Date: 08/11/2021
Well I.D.: X-50-S	Well Diameter (inch): 4
Total Well Depth: product-no TD taken	Depth to Water: Pre: 3.98 Post: 4.01
Depth to Free Product: 3.80	Thickness of Free Product (feet): 0.18
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: ~~Bladder Pump~~ Other: peri pump

Sampling Method: New Tubing/Bladder Other:

Screen Interval: 3-47

Start Purge: 1319 Flow Rate: 200 ml/min Pump Depth: 10'

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1322	23.5	7.64	858	13	0.18	-133.9	600	3.92	clear
1325	23.5	7.63	858	11	0.17	-134.3	1200	3.94	odor
1328	23.5	7.63	857	10	0.16	-135.8	1800	3.97	
1331	23.6	7.63	857	8	0.16	-137.3	2400	3.99	
1334	23.6	7.63	858	7	0.15	-138.9	3000	4.01	

Did well dewater? Yes No	Amount actually evacuated: 3000 ml
Sampling Time: 1339	Sampling Date: 08/11/2021
Sample I.D.: AMCO-X-50-S-081121	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: — @ Time	Duplicate I.D.: — @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: KR	Start Date: 08/11/2021
Well I.D.: X-50-1	Well Diameter (inch): 4
Total Well Depth: PRODUCT IN WELL - NO TD TAKEN	Depth to Water: Pre: 4.01 Post: ~~6.10~~ 4.01 KR
Depth to Free Product: 3.91	Thickness of Free Product (feet): 0.10
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: ~~Bladder Pump~~ KR Other: peri pump

Sampling Method: New Tubing/Bladder Other:

Screen Interval: 3-47

Start Purge: 1346 Flow Rate: 200 ml/min Pump Depth: 30'

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1349	25.2	7.69	848	7	0.45	-189.9	600	4.01	clear w/
1352	25.2	7.69	849	7	0.42	-183.2	1200	4.01	small black particulates
1355	25.3	7.69	850	7	0.39	-178.9	~~2400~~ 1800 KR	4.01	odor
1358	25.3	7.69	851	7	0.37	-173.6	2400	4.01	
1401	25.3	7.69	851	7	0.35	-171.0	3000	4.01	

Did well dewater? Yes No	Amount actually evacuated: 3000 ml
Sampling Time: 1406	Sampling Date: 08/11/2021
Sample I.D.: ~~X-50-1~~ KR AMCO-X-50-1-081121	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: _____ @ Time	Duplicate I.D.: _____ @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811JE-1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: KR	Start Date: 08/11/2021
Well I.D.: X-50-D	Well Diameter (inch): 4
Total Well Depth: PRODUCT IN WELL, TD NOT TAKEN	Depth to Water: Pre: 4.01 Post: 4.01
Depth to Free Product: 3.91	Thickness of Free Product (feet): 0.10
Referenced to: TOC	Flow Cell Type: YSI pro plus

Purge Method: ~~Bladder Pump~~ Other: peri pump

Sampling Method: New Tubing/Bladder Other:

Screen Interval: 3-47

Start Purge: 1411 Flow Rate: 200 ml/min Pump Depth: 45'

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1414	25.4	7.88	859	60	0.24	-133.0	600	4.01	clear w/
1417	25.4	7.90	857	48	0.20	-140.3	1200	4.01	small brown particulates
1420	25.5	7.90	856	44	0.18	-147.4	1800	4.01	odor
1423	25.4	7.88	855	44	0.18	-152.6	2400	4.01	sheen
1426	25.4	7.87	854	44	0.18	-157.3	3000	4.01	

Did well dewater? Yes No	Amount actually evacuated: 3000 ml
Sampling Time: 1431	Sampling Date: 08/11/2021
Sample I.D.: AMCO-X-50-D-081121	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: ____ @ Time	Duplicate I.D.: ____ @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210811-551	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: MW	Start Date: 8-13-21
Well I.D.: X-52 - (S) ~~(D)~~	Well Diameter (inch): 4
Total Well Depth: 46.90	Depth to Water: Pre: 3.68 Post: 3.76
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI PRO PLUS

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 3-47

Start Purge: 1202 Flow Rate: 200 ml/min sys vol: 495 mL Pump Depth: 10

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1205	22.3	7.67	1171	36	0.41	23.5	600	3.73	
1208	22.5	7.70	1170	26	0.37	17.6	1200	3.77	
1211	22.3	7.85	1175	28	0.32	-5.2	1800	3.75	
1214	22.4	7.89	1176	27	0.30	-10.6	2400	3.75	
1217	22.4	7.90	1175	26	0.27	-15.2	3000	3.76	

Did well dewater? Yes (No)	Amount actually evacuated: 3000 ml
Sampling Time: 1220	Sampling Date: 8-13-21
Sample I.D.: AMCO-X-52-081321-S	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210813-JR1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: WW	Start Date: 8-13-21
Well I.D.: X-52 (I)	Well Diameter (inch): 4
Total Well Depth: 46.90	Depth to Water: Pre: 3.68 Post: 3.88
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI PRO PWS

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 3-47

Start Purge: 1259 Flow Rate: 200 ml/min Sys vol = 451 mL Pump Depth: 30

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1302	22.8	8.31	1187	30	0.20	53.5	600	3.85	
1305	23.0	8.19	1191	24	0.16	38.0	1200	3.98	
1308	23.3	8.21	1192	15	0.14	22.1	1800	3.97	
1311	23.1	8.22	1193	14	0.14	17.0	2400	3.88	
1314	22.3	8.20	1189	15	0.16	12.8	3000	3.88	

Did well dewater? Yes (No)	Amount actually evacuated: 3000 ml
Sampling Time: 1315	Sampling Date: 8-13-21
Sample I.D.: AMCO-X-52-081321-I	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 210813-WW1	Client: OTIE @ AMCO Chemical Superfund Site - Oakland, CA
Sampler: WW	Start Date: 8-13-21
Well I.D.: X-52 (D)	Well Diameter (inch): 4
Total Well Depth: 46.90	Depth to Water: Pre: 3.68 Post: 3.76
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: TOC	Flow Cell Type: YSI Pro PlUS

Purge Method: Bladder Pump Other: _____

Sampling Method: New Tubing/Bladder Other: _____

Screen Interval: 3-47

Start Purge: 1232 Flow Rate: 200 ml/min Sys vol: 651 ml Pump Depth: 45

Time	Temp. (°C)	pH	Cond. (µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (mL)	DTW (ft)	Observations
1235	24.6	8.53	1208	51	0.35	8.5	600	3.70	
1238	24.9	8.60	1213	35	0.28	3.9	1200	3.72	
1241	24.1	6.83	1210	37	0.30	2.4	1800	3.74	
1244	23.4	8.65	1207	38	0.31	1.5	2400	3.76	
1247	23.3	8.63	1205	40	0.27	1.1	3000	3.76	

Did well dewater? Yes (No)	Amount actually evacuated: 3000 ml
Sampling Time: 1250	Sampling Date: 8-13-21
Sample I.D.: ~~AMCO-X-52-081321-(D)~~ AMCO-X-52-081321-D	Laboratory: EPA Region 9
Analyzed for: SEE COC	
Blank I.D.: @ Time	Duplicate I.D.: @ Time
Analyzed for: SEE COC	

WELLHEAD INSPECTION CHECKLIST

Client: OTIE

Date:

Project Name/Site Address: AMCO Chemical Superfund Site @ 1414 3RD St. - Oakland, CA

Job #: 210811JZ-1

Technician(s): JZ, MW, CS, KR

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Debris Removed From Wellbox	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
BMW-01	✓							
BMW-03	✓							
BMW-06								✓
BMW-07	✓							
BMW-08	✓							
BPZ-01	✓						✓ (2)	
MW-01								✓
MW-02	✓							
PZ-05								✓
RMW-01-17	✓							
RMW-01-35	✓							
RMW-03-15							✓	
RMW-04-15	✓							
RMW-05-35							✓	
RMW-05-74							✓	
RMW-06-15							✓	
RMW-06-35								
RMW-06-61	✓ (2)						✓	
RMW-07-15								✓
RMW-07-35								✓

NOTES: RMW-05-74: -2/2 tabs. RMW-07-15: -3/3 Bolts, ~~BPZ-01: lock re~~ (2) RMW-06-61: -1/2 Bolts, 2/2 tabs stripped
RMW-06-15: -2/2 Bolts; MW-01: unable to locate; BMW-06: well inaccessible,
PZ-05: unable to access, likely buried. RMW-07-15: unable to locate;
RMW-07-35: unable to locate; RMW-05-35: -2/2 tabs (12" Enclo)

WELLHEAD INSPECTION CHECKLIST

Client: OTIE

Date:

Project Name/Site Address: AMCO Chemical Superfund Site @ 1414 3RD St. - Oakland, CA

Job #:

Technician(s):

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Debris Removed From Wellbox	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
RMW-08-15	✓							
RMW-08-35	✓							
RMW-09-15								✓
RMW-09-35								✓
RMW-09-70								✓
RMW-10-15	✓							
RMW-10-35	✓							
RMW-10-79	✓							
RMW-11-35							✓	
RMW-13-35	✓							
RMW-14-35	✓							
RMW-14-50	✓							
RMW-15-15	✓							
RMW-15-35	✓							
RMW-15-60	✓							
RMW-16W-15	✓							
RMW-16-35	✓							
RMW-16-60	✓							
RMW-17-35	✓							
RMW-17-70	✓							

NOTES: RMW-09-15: WELL inaccessible; RMW-09-35: inaccessible; RMW-09-70: inaccessible; RMW-11-35: -3/3 Bolts (9/16")

WELLHEAD INSPECTION CHECKLIST

Client: OTIE

Date:

Project Name/Site Address: AMCO Chemical Superfund Site @ 1414 3RD St. - Oakland, CA

Job #:

Technician(s):

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Debris Removed From Wellbox	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
RMW-18-35	X							
RMW-18-79	X							
RMW-19-15	X							
RMW-19-35	X							
RMW-19-80	X							
X-01	X							
X-04	X							
X-05							X	
X-13	X							
X-14	X							
X-15	X							
X-19	X							
X-21	X							
X-24								X
X-25	X						X	
X-29	X							
X-33	X							
X-46	X							
X-49	X							
X-50	X							

NOTES: X-05: -1/2 Bolts, X-24: unable to locate

WELLHEAD INSPECTION CHECKLIST

Client: OTIE

Date: 8-11-21

Project Name/Site Address: AMCO Chemical Superfund Site @ 1414 3RD St. - Oakland, CA

Job #: 210811-JE1

Technician(s): WW, JE, CE, KR

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Debris Removed From Wellbox	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
X-52	✓							

NOTES:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME: OTIE @ AMCO Chemical Superfund Site - Oakland, CA					PROJECT NUMBER: 20811 [illegible]		
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP. (°C)	Standard Lot# / Exp. Date
YSI Pro Plus	19810 3476	8/11/21 0745	pH: 7, 10, 4	7.00, 10.00 4.00	✓	25.4	054276 5/22 054277 3/22 056160 5/22
			Cond 3900 ms	3886 ms	✓	26.7	054278 3/23
			ORP 228 mV	228.4 mV	✓	27.4	042321 6/22
			DO: 100%	100	✓	23.5	—
		8/12/21 0715	pH: 7, 10, 4	7.00, 10.00 4.00	✓	26.0	See above
			Cond 3900 ms	3900 ms	✓	25.9	
			ORP 231 mV	230.8 mV	✓	25.4	
			DO 100%	100%	✓	21.4	
		8/13/21 0740	pH: 7, 10, 4	7.00, 10.00 4.00	✓	24.7	
			Cond 3900 ms	3900 ms	✓	23.7	
			ORP 232.0 mV	232.1 mV	✓	25.0	
			DO 100%	100%	✓	19.9	

BLAINE TECH SERVICES, INC.

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME: OTIE @ AMCO Chemical Superfund Site - Oakland, CA					PROJECT NUMBER: 210811-JEI		
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP. (°C)	Standard Lot# / Exp. Date
YSI PRO PWS	19B103471	8-12-21 0633	PH: 4.7.10 COND: 3900 uS	PH: 7.00 10.00 4.00 COND: 3900 uS	yes	23.8	7: 056161 (5-22) 10: 054277 (3-22) 4: 056100 (5-22)
"	"	"	ORP: 231.5 mV DO: 100 %	ORP: 231.5 mV DO: 100 %	yes	25.0	COND: 054278 (3-23) ORP: 042321 (6-22)
YSI PRO PWS	19B103471	8-13-21 0710	PH: 4,7,10 COND: 3900 uS	PH: 7.00, 10.00 4.00 COND: 3900 uS	yes	17.3	"
"	"	"	ORP: 242 mV DO: 100 %	ORP: 242 mV DO: 100 %	yes	17.3	"

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME: OTIE @ AMCO Chemical Superfund Site - Oakland, CA

PROJECT NUMBER: 210811JE-1

EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP. (°C)	Standard Lot# / Exp. Date
YSI pro plus	21A103789	8/11/2021 0730	PH: 7, 10, 4	7.00, 10.00, 4.00	✓	24.0	054276 May 22 051140 Feb 22 ~~054275 May 22~~
↓	↓	↓	Con: 3900uS	3904 uS	✓	24.0	054278 3/25/23
↓	↓	↓	ORP: 232mV	232.3mV	✓	24.0	642321 6/23/22
↓	↓	↓	DO: 100%	100%	✓	23.1	—
YSI Pro Plus	21A103789	0700 8/12/2021	PH: 7, 10, 4	7.05, 10.10, 4.00	✓	17.5	056161 5/22 051140 2/22 054275 5/22
↓	↓	↓	Con: 3900uS	3915 uS	✓	17.4	054278 3/23
↓	↓	↓	ORP: 242mV	242 mV	✓	17.3	070721 9/22
↓	↓	↓	DO: 100%	100%	✓	17.0	—
YSI Pro Plus	21A103789	8/13/2021 0720	PH: 7, 10, 4	7.00, 10.00, 4.00	✓	17.3	056161 5/23 056160 5/22 054277 3/22
↓	↓	~~PH: 7, 10, 4~~ ~~Con: 3900uS~~	ORP: 242mV Con: 3900uS	242mV 3900uS	✓	17.3	054278 3/23 070721 9/22
↓	↓	~~ORP: mV~~ ~~DO: 100%~~	DO: 100%	100%	✓	16.9	—

KR

BLAINE TECH SERVICES, INC.

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME: OTIE @ AMCO Chemical Superfund Site - Oakland, CA					PROJECT NUMBER: 210811JE-1		
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP. (°C)	Standard Lot# / Exp. Date
YSI ProPlus	MF101212	8/11/21	PH: 7 10 4	PH: 7.06 10.04 4.04	yes	23.3	054276 5/22 054277 3/22 056160 5/22
	↓	↓	Cond: 3900 ORP: 234.2 DO: 100%	Cond: 3801 ORP: 231.7 DO: 101	yes	23.2	054278 3/23 042321 6/22
YSI ProPlus	21A103784	8/12/21	PH: 7 10 4	PH: 6.89 9.72 4.01	yes	24.2	↓
↓	↓	↓	Cond: 3900 ORP: 235.6 DO%: 100%	Cond: 3701 ORP: 230.2 DO: 106%	yes	22.6	↓
↓	↓	8/13/21	PH: 7 (4) ~~10~~ 4 (4) ~~4~~ 10	PH: 7.20 4.19 9.83	yes	25.1°	↓
↓	↓	↓	Cond: 3900 ORP: 232.9 DO: 100%	Cond: 4090 ORP: 230.9 DO: 96.6%	yes	24.1°	↓

APPENDIX B

Laboratory Reports

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street Building 201
Richmond, CA 94804

Date: **9/17/2021**

Subject: **Analytical Testing Results - Project R21S29**
WorkOrder 2108010

From: **Peter Husby, Director**
EPA Region 9 Laboratory
EMD-3-1

To: **Fatima Ty**
California Site Cleanup Section 2
SFD-7-2

Attached are the results from the analysis of samples from the **AMCO August 2021 Groundwater Monitoring** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Audrey Johnson at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Cynthia Williams, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

Dissolved Metals by ICP	Dissolved Metals by ICP/MS
Semivolatile Organic Compounds by GC/MS	Volatile Organic Compounds by GC/MS

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
AMCO-RMW-06-61-081121	2108010-01	Water	08/11/21 08:50	08/11/21 16:06
AMCO-RMW-17-70-081121	2108010-02	Water	08/11/21 10:45	08/11/21 16:06
AMCO-RMW-17-35-081121	2108010-03	Water	08/11/21 11:40	08/11/21 16:06
AMCO-RMW-06-15-081121	2108010-04	Water	08/11/21 08:44	08/11/21 16:06
AMCO-RMW-16-35-081121	2108010-05	Water	08/11/21 10:00	08/11/21 16:06
AMCO-RMW-16-61-081121	2108010-06	Water	08/11/21 11:21	08/11/21 16:06
AMCO-RMW-06-35-081121	2108010-07	Water	08/11/21 08:56	08/11/21 16:06
AMCO-RMW-16W-15-081121	2108010-08	Water	08/11/21 10:25	08/11/21 16:06
AMCO-081121-TB	2108010-09	Water	08/11/21 09:43	08/11/21 16:06
Dup 8-081121	2108010-10	Water	08/11/21 10:30	08/11/21 16:06
AMCO-X-46-081121-S	2108010-11	Water	08/11/21 14:30	08/11/21 16:06
AMCO-X-46-081121-I	2108010-12	Water	08/11/21 14:05	08/11/21 16:06
AMCO-X-46-081121-D	2108010-13	Water	08/11/21 13:40	08/11/21 16:06
AMCO-X-49-081121-D	2108010-14	Water	08/11/21 12:00	08/11/21 16:06
AMCO-X-49-081121-I	2108010-15	Water	08/11/21 14:05	08/11/21 16:06
AMCO-X-49-081121-S	2108010-16	Water	08/11/21 14:58	08/11/21 16:06
AMCO-X-50-D-081121	2108010-17	Water	08/11/21 14:31	08/11/21 16:06
AMCO-X-50-S-081121	2108010-18	Water	08/11/21 13:39	08/11/21 16:06
AMCO-X-50-I-081121	2108010-19	Water	08/11/21 14:06	08/11/21 16:06

Work Order 2108010

Login: Received 2 containers for AMCO-X-49-081121-I for dissolved metals not listed on COC. Sample logged in for dissolved metals analysis. Received 5 bottles for SVOCs and 11 VOA vials for VOCs for sample AMCO-X-49-081121-I. All dissolved metals sample containers received unpreserved, preserved upon receipt.

Metals: B21H039-BLK1 greater than 1/2 the ICP/MS QL for arsenic (0.30ug/L) . Report As >5x the blank and re-prepped the ones <5x.

SVOC: Sample 2108010-15 initial analysis showed high background contamination which in turn caused instrument contamination and subsequent QC failures. The sample was also assigned as MS/MSD. The sample was re-extracted outside of hold time using smaller volume for both sample and QC. Re-extraction/reanalysis results will be utilized.

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Fatima Ty
Project Number: R21S29
Project: AMCO August 2021 Groundwater Monitoring

California Site Cleanup Section 2
75 Hawthorne Street
San Francisco CA, 94105

WorkOrder: 2108010
Reported: 09/17/21 09:35

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-01									**Water - Sampled: 08/11/21 08:50**
Sample ID: AMCO-RMW-06-61-081121									**Dissolved Metals by EPA 200 Series Methods**
Iron		ND	U	100	ug/L	B21H039	08/16/21	08/27/21	200.7_Dissolved
Manganese		820		5	"	"	"	"	200.7_Dissolved
Arsenic		4.4		0.50	"	B21H040	08/16/21	08/18/21	200.8_Dissolved
Cobalt		0.45		0.25	"	"	"	"	200.8_Dissolved
Nickel		3.8		1	"	"	"	"	200.8_Dissolved
Selenium		18		1	"	"	"	"	200.8_Dissolved
Sample ID: AMCO-RMW-06-61-081121									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	C3, J, U	0.5	"	B21H028	08/12/21	08/12/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride		ND	U	0.5	"	"	"	"	524.2
Bromomethane		ND	U	0.5	"	"	"	"	524.2
Chloroethane		ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	"	"	"	524.2
Acetone		ND	C3, J, U	4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
2-Butanone (MEK)		ND	U	4	"	"	"	"	524.2
Bromochloromethane		ND	U	0.5	"	"	"	"	524.2
Chloroform		ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Benzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
Trichloroethene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Dibromomethane		ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane		ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Toluene		ND	U	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: **2108010-01** **Water - Sampled: 08/11/21 08:50**

Sample ID: **AMCO-RMW-06-61-081121**

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,1,2-Trichloroethane		ND	U	0.5	ug/L	B21H028	08/12/21	08/12/21	524.2
Tetrachloroethene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
Ethylbenzene		ND	U	0.5	"	"	"	"	524.2
m&p-Xylene		ND	U	1	"	"	"	"	524.2
o-Xylene		ND	U	0.5	"	"	"	"	524.2
Styrene		ND	U	0.5	"	"	"	"	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		ND	U	0.5	"	"	"	"	524.2
Bromobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	0.5	"	"	"	"	524.2
Propylbenzene		ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	0.5	"	"	"	"	524.2
Naphthalene		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4		113 %		*83-116%*		"	"	"	
Surrogate: Toluene-d8		101 %		*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %		*80-110%*		"	"	"	

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Fatima Ty
Project Number: R21S29
Project: AMCO August 2021 Groundwater Monitoring

California Site Cleanup Section 2
75 Hawthorne Street
San Francisco CA, 94105

WorkOrder: 2108010
Reported: 09/17/21 09:35

Sample Results

Lab ID: **2108010-01** — **Water - Sampled: 08/11/21 08:50**

Sample ID: **AMCO-RMW-06-61-081121**

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Surrogate: 1,2-Dichlorobenzene-d4		98 %		*74-113%*		*B21H028*	*08/12/21*	*08/12/21*	

Sample ID: **AMCO-RMW-06-61-081121**

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,4-Dioxane		ND	U	0.9	"	B21H030	08/12/21	08/18/21	8270D
Phenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	0.9	"	"	"	"	8270D
2-Chlorophenol		ND	U	4.7	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
Benzyl alcohol		ND	U	4.7	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
2-Methylphenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	0.9	"	"	"	"	8270D
3&4-Methylphenol		ND	U	4.7	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	0.9	"	"	"	"	8270D
Hexachloroethane		ND	U	0.9	"	"	"	"	8270D
Nitrobenzene		ND	U	0.9	"	"	"	"	8270D
Isophorone		ND	U	0.9	"	"	"	"	8270D
2-Nitrophenol		ND	U	4.7	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	0.9	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	4.7	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	0.9	"	"	"	"	8270D
Naphthalene		ND	U	0.9	"	"	"	"	8270D
4-Chloroaniline		ND	C3, J, U	4.7	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	0.9	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	4.7	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	0.9	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	C3, J, U	4.7	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	4.7	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	4.7	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	0.9	"	"	"	"	8270D
2-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
Dimethyl phthalate		ND	U	0.9	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Acenaphthylene		ND	U	0.9	"	"	"	"	8270D
3-Nitroaniline		ND	C3, J, U	4.7	"	"	"	"	8270D

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Fatima Ty
Project Number: R21S29
Project: AMCO August 2021 Groundwater Monitoring

California Site Cleanup Section 2
75 Hawthorne Street
San Francisco CA, 94105

WorkOrder: 2108010
Reported: 09/17/21 09:35

Sample Results

Lab ID: **2108010-01** — **Water - Sampled: 08/11/21 08:50**

Sample ID: **AMCO-RMW-06-61-081121**

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Acenaphthene		ND	U	0.9	ug/L	B21H030	08/12/21	08/18/21	8270D
2,4-Dinitrophenol		ND	C4, J, U	19	"	"	"	"	8270D
4-Nitrophenol		ND	U	4.7	"	"	"	"	8270D
Dibenzofuran		ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Diethyl phthalate		ND	U	0.9	"	"	"	"	8270D
Fluorene		ND	U	0.9	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
4-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	4.7	"	"	"	"	8270D
Diphenyl amine		ND	U	0.9	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
Hexachlorobenzene		ND	U	0.9	"	"	"	"	8270D
Pentachlorophenol		ND	U	19	"	"	"	"	8270D
Phenanthrene		ND	U	0.9	"	"	"	"	8270D
Anthracene		ND	U	0.9	"	"	"	"	8270D
Carbazole		ND	C3, J, U	0.9	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	0.9	"	"	"	"	8270D
Fluoranthene		ND	U	0.9	"	"	"	"	8270D
Pyrene		ND	U	0.9	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	0.9	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	0.9	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	C4, J, U	4.7	"	"	"	"	8270D
Chrysene		ND	U	0.9	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	C3, J, Q3, U	0.9	"	"	"	"	8270D
Di-n-octyl phthalate		ND	C3, J, Q3, U	0.9	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	0.9	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	0.9	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	0.9	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	0.9	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8		67 %		*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol		60 %		*54-110%*		"	"	"	
Surrogate: Phenol-d5		61 %		*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4		69 %		*39-121%*		"	"	"	

United States Environmental Protection Agency
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-01									**Water - Sampled: 08/11/21 08:50**
Sample ID: AMCO-RMW-06-61-081121									**Semivolatile Organic Compounds by EPA Method 8270D**
Surrogate: 1,2-Dichlorobenzene-d4		67 %		*31-110%*		*B21H030*	*08/12/21*	*08/18/21*	
Surrogate: Nitrobenzene-d5		76 %		*35-111%*		*"*	*"*	*"*	
Surrogate: 2-Fluorobiphenyl		77 %		*32-115%*		*"*	*"*	*"*	
Surrogate: 2,4,6-Tribromophenol		77 %		*37-150%*		*"*	*"*	*"*	
Surrogate: Terphenyl-d14		69 %		*20-179%*		*"*	*"*	*"*	
Lab ID: 2108010-02									**Water - Sampled: 08/11/21 10:45**
Sample ID: AMCO-RMW-17-70-081121									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	C3, J, U	0.5	ug/L	B21H028	08/12/21	08/12/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride		ND	U	0.5	"	"	"	"	524.2
Bromomethane		ND	U	0.5	"	"	"	"	524.2
Chloroethane		ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	"	"	"	524.2
Acetone		ND	C3, J, U	4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
2-Butanone (MEK)		ND	U	4	"	"	"	"	524.2
Bromochloromethane		ND	U	0.5	"	"	"	"	524.2
Chloroform		11		0.5	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Benzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
Trichloroethene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Dibromomethane		ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane		ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Toluene		ND	U	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: **2108010-02** **Water - Sampled: 08/11/21 10:45**

Sample ID: **AMCO-RMW-17-70-081121**

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,1,2-Trichloroethane		ND	U	0.5	ug/L	B21H028	08/12/21	08/12/21	524.2
Tetrachloroethene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
Ethylbenzene		ND	U	0.5	"	"	"	"	524.2
m&p-Xylene		ND	U	1	"	"	"	"	524.2
o-Xylene		ND	U	0.5	"	"	"	"	524.2
Styrene		ND	U	0.5	"	"	"	"	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		ND	U	0.5	"	"	"	"	524.2
Bromobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	0.5	"	"	"	"	524.2
Propylbenzene		ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	0.5	"	"	"	"	524.2
Naphthalene		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4		116 %		*83-116%*		"	"	"	
Surrogate: Toluene-d8		99 %		*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %		*80-110%*		"	"	"	

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-02									**Water - Sampled: 08/11/21 10:45**
Sample ID: AMCO-RMW-17-70-081121									**Volatile Organic Compounds by EPA Method 524.2**
Surrogate: 1,2-Dichlorobenzene-d4			108 %	*74-113%*		*B21H028*	*08/12/21*	*08/12/21*	
Sample ID: AMCO-RMW-17-70-081121									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		ND	U	0.9	"	B21H030	08/12/21	08/18/21	8270D
Phenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	0.9	"	"	"	"	8270D
2-Chlorophenol		ND	U	4.7	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
Benzyl alcohol		ND	U	4.7	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
2-Methylphenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	0.9	"	"	"	"	8270D
3&4-Methylphenol		ND	U	4.7	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	0.9	"	"	"	"	8270D
Hexachloroethane		ND	U	0.9	"	"	"	"	8270D
Nitrobenzene		ND	U	0.9	"	"	"	"	8270D
Isophorone		ND	U	0.9	"	"	"	"	8270D
2-Nitrophenol		ND	U	4.7	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	0.9	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	4.7	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	0.9	"	"	"	"	8270D
Naphthalene		ND	U	0.9	"	"	"	"	8270D
4-Chloroaniline		ND	C3, J, U	4.7	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	0.9	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	4.7	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	0.9	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	C3, J, U	4.7	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	4.7	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	4.7	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	0.9	"	"	"	"	8270D
2-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
Dimethyl phthalate		ND	U	0.9	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Acenaphthylene		ND	U	0.9	"	"	"	"	8270D
3-Nitroaniline		ND	C3, J, U	4.7	"	"	"	"	8270D

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108010-02 — **Water - Sampled: 08/11/21 10:45**

Sample ID: AMCO-RMW-17-70-081121

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Acenaphthene		ND	U	0.9	ug/L	B21H030	08/12/21	08/18/21	8270D
2,4-Dinitrophenol		ND	C4, J, U	19	"	"	"	"	8270D
4-Nitrophenol		ND	U	4.7	"	"	"	"	8270D
Dibenzofuran		ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Diethyl phthalate		ND	U	0.9	"	"	"	"	8270D
Fluorene		ND	U	0.9	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
4-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	4.7	"	"	"	"	8270D
Diphenyl amine		ND	U	0.9	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
Hexachlorobenzene		ND	U	0.9	"	"	"	"	8270D
Pentachlorophenol		ND	U	19	"	"	"	"	8270D
Phenanthrene		ND	U	0.9	"	"	"	"	8270D
Anthracene		ND	U	0.9	"	"	"	"	8270D
Carbazole		ND	C3, J, U	0.9	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	0.9	"	"	"	"	8270D
Fluoranthene		ND	U	0.9	"	"	"	"	8270D
Pyrene		ND	U	0.9	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	0.9	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	0.9	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	C4, J, U	4.7	"	"	"	"	8270D
Chrysene		ND	U	0.9	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	C3, J, Q3, U	0.9	"	"	"	"	8270D
Di-n-octyl phthalate		ND	C3, J, Q3, U	0.9	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	0.9	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	0.9	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	0.9	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	0.9	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8		65 %		*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol		65 %		*54-110%*		"	"	"	
Surrogate: Phenol-d5		72 %		*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4		69 %		*39-121%*		"	"	"	

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-02									**Water - Sampled: 08/11/21 10:45**
Sample ID: AMCO-RMW-17-70-081121									**Semivolatile Organic Compounds by EPA Method 8270D**
Surrogate: 1,2-Dichlorobenzene-d4		58 %		*31-110%*		*B21H030*	*08/12/21*	*08/18/21*	
Surrogate: Nitrobenzene-d5		74 %		*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl		83 %		*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol		117 %		*37-150%*		"	"	"	
Surrogate: Terphenyl-d14		84 %		*20-179%*		"	"	"	
Lab ID: 2108010-03									**Water - Sampled: 08/11/21 11:40**
Sample ID: AMCO-RMW-17-35-081121									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	U	1	ug/L	B21H029	08/12/21	08/12/21	524.2
Chloromethane	RE1	ND	U	1	"	"	"	"	524.2
Vinyl chloride	RE1	ND	U	1	"	"	"	"	524.2
Bromomethane	RE1	ND	U	1	"	"	"	"	524.2
Chloroethane	RE1	ND	U	1	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	1	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	1	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	1	"	"	"	"	524.2
Acetone	RE1	ND	U	8	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	1	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	ND	U	1	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	4	"	"	"	"	524.2
1,1-Dichloroethane	RE1	ND	U	1	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	1	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	3.1		1	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	8	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	1	"	"	"	"	524.2
Chloroform	RE1	ND	U	1	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	1	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	1	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	1	"	"	"	"	524.2
Benzene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	1	"	"	"	"	524.2
Trichloroethene	RE1	22		1	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	1	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	1	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	C3, J, U	1	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	1	"	"	"	"	524.2
Toluene	RE1	ND	U	1	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	C3, J, U	1	"	"	"	"	524.2

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108010-03 — **Water - Sampled: 08/11/21 11:40**

Sample ID: AMCO-RMW-17-35-081121

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,1,2-Trichloroethane	RE1	ND	U	1	ug/L	B21H029	08/12/21	08/12/21	524.2
Tetrachloroethene	RE1	ND	U	1	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	1	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	1	"	"	"	"	524.2
Chlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	1	"	"	"	"	524.2
Ethylbenzene	RE1	ND	U	1	"	"	"	"	524.2
m&p-Xylene	RE1	ND	U	2	"	"	"	"	524.2
o-Xylene	RE1	ND	U	1	"	"	"	"	524.2
Styrene	RE1	ND	U	1	"	"	"	"	524.2
Bromoform	RE1	ND	C3, J, U	1	"	"	"	"	524.2
Isopropylbenzene	RE1	ND	U	1	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	1	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	1	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	1	"	"	"	"	524.2
Propylbenzene	RE1	ND	U	1	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	1	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	1	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	1	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	1	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	ND	U	1	"	"	"	"	524.2
sec-Butylbenzene	RE1	ND	U	1	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
p-Isopropyltoluene	RE1	ND	U	1	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	4	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	1	"	"	"	"	524.2
Naphthalene	RE1	ND	U	1	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		94 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE1*		96 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE1*		95 %	*80-110%*		"	"	"	

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-03									**Water - Sampled: 08/11/21 11:40**
Sample ID: AMCO-RMW-17-35-081121									**Volatile Organic Compounds by EPA Method 524.2**
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		97 %	*74-113%*		*B21H029*	*08/12/21*	*08/12/21*	
Sample ID: AMCO-RMW-17-35-081121									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		1.6		0.9	"	B21H030	08/12/21	08/18/21	8270D
Phenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	0.9	"	"	"	"	8270D
2-Chlorophenol		ND	U	4.7	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
Benzyl alcohol		ND	U	4.7	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
2-Methylphenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	0.9	"	"	"	"	8270D
3&4-Methylphenol		ND	U	4.7	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	0.9	"	"	"	"	8270D
Hexachloroethane		ND	U	0.9	"	"	"	"	8270D
Nitrobenzene		ND	U	0.9	"	"	"	"	8270D
Isophorone		ND	U	0.9	"	"	"	"	8270D
2-Nitrophenol		ND	U	4.7	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	0.9	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	4.7	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	0.9	"	"	"	"	8270D
Naphthalene		ND	U	0.9	"	"	"	"	8270D
4-Chloroaniline		ND	C3, J, U	4.7	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	0.9	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	4.7	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	0.9	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	C3, J, U	4.7	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	4.7	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	4.7	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	0.9	"	"	"	"	8270D
2-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
Dimethyl phthalate		ND	U	0.9	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Acenaphthylene		ND	U	0.9	"	"	"	"	8270D
3-Nitroaniline		ND	C3, J, U	4.7	"	"	"	"	8270D
Acenaphthene		ND	U	0.9	"	"	"	"	8270D

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: **2108010-03** **Water - Sampled: 08/11/21 11:40**

Sample ID: **AMCO-RMW-17-35-081121**

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
2,4-Dinitrophenol		ND	C4, J, U	19	ug/L	B21H030	08/12/21	08/18/21	8270D
4-Nitrophenol		ND	U	4.7	"	"	"	"	8270D
Dibenzofuran		ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Diethyl phthalate		ND	U	0.9	"	"	"	"	8270D
Fluorene		ND	U	0.9	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
4-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	4.7	"	"	"	"	8270D
Diphenyl amine		ND	U	0.9	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
Hexachlorobenzene		ND	U	0.9	"	"	"	"	8270D
Pentachlorophenol		ND	U	19	"	"	"	"	8270D
Phenanthrene		ND	U	0.9	"	"	"	"	8270D
Anthracene		ND	U	0.9	"	"	"	"	8270D
Carbazole		ND	C3, J, U	0.9	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	0.9	"	"	"	"	8270D
Fluoranthene		ND	U	0.9	"	"	"	"	8270D
Pyrene		ND	U	0.9	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	0.9	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	0.9	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	C4, J, U	4.7	"	"	"	"	8270D
Chrysene		ND	U	0.9	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	C3, J, Q3, U	0.9	"	"	"	"	8270D
Di-n-octyl phthalate		ND	C3, J, Q3, U	0.9	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	0.9	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	0.9	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	0.9	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	0.9	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8		55 %		*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol		57 %		*54-110%*		"	"	"	
Surrogate: Phenol-d5		56 %		*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4		58 %		*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4		57 %		*31-110%*		"	"	"	

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-03									**Water - Sampled: 08/11/21 11:40**
Sample ID: AMCO-RMW-17-35-081121									**Semivolatile Organic Compounds by EPA Method 8270D**
Surrogate: Nitrobenzene-d5		62 %		*35-111%*		*B21H030*	*08/12/21*	*08/18/21*	
Surrogate: 2-Fluorobiphenyl		65 %		*32-115%*		*"*	*"*	*"*	
Surrogate: 2,4,6-Tribromophenol		94 %		*37-150%*		*"*	*"*	*"*	
Surrogate: Terphenyl-d14		72 %		*20-179%*		*"*	*"*	*"*	
Lab ID: 2108010-04									**Water - Sampled: 08/11/21 08:44**
Sample ID: AMCO-RMW-06-15-081121									**Dissolved Metals by EPA 200 Series Methods**
Iron		290		100	ug/L	B21H039	08/16/21	08/27/21	200.7_Dissolved
Manganese		5,200		5	"	"	"	"	200.7_Dissolved
Arsenic		2.6		0.50	"	B21H040	08/16/21	08/18/21	200.8_Dissolved
Cobalt		1.9		0.25	"	"	"	"	200.8_Dissolved
Nickel		9.2		1	"	"	"	"	200.8_Dissolved
Selenium		1.9		1	"	"	"	"	200.8_Dissolved
Sample ID: AMCO-RMW-06-15-081121									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	C3, J, U	0.5	"	B21H028	08/12/21	08/12/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride		ND	U	0.5	"	"	"	"	524.2
Bromomethane		ND	U	0.5	"	"	"	"	524.2
Chloroethane		ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	"	"	"	524.2
Acetone		3.7	J, C1, C3	4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
2-Butanone (MEK)		ND	U	4	"	"	"	"	524.2
Bromochloromethane		ND	U	0.5	"	"	"	"	524.2
Chloroform		ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Benzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
Trichloroethene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: **2108010-04** — **Water - Sampled: 08/11/21 08:44**

Sample ID: **AMCO-RMW-06-15-081121**

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Dibromomethane		ND	U	0.5	ug/L	B21H028	08/12/21	08/12/21	524.2
Bromodichloromethane		ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Toluene		ND	U	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
Ethylbenzene		ND	U	0.5	"	"	"	"	524.2
m&p-Xylene		ND	U	1	"	"	"	"	524.2
o-Xylene		ND	U	0.5	"	"	"	"	524.2
Styrene		ND	U	0.5	"	"	"	"	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		ND	U	0.5	"	"	"	"	524.2
Bromobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	0.5	"	"	"	"	524.2
Propylbenzene		ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	0.5	"	"	"	"	524.2

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108010-04**								**Water - Sampled: 08/11/21 08:44**
Sample ID:	**AMCO-RMW-06-15-081121**								**Volatile Organic Compounds by EPA Method 524.2**
Naphthalene		ND	U	0.5	ug/L	B21H028	08/12/21	08/12/21	524.2
1,2,3-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			112 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8			100 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene			103 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			105 %	*74-113%*		"	"	"	
Sample ID:	**AMCO-RMW-06-15-081121**								**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		ND	U	1	"	B21H030	08/12/21	08/18/21	8270D
Phenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	1	"	"	"	"	8270D
2-Chlorophenol		ND	U	5	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
Benzyl alcohol		ND	U	5	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
2-Methylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	1	"	"	"	"	8270D
3&4-Methylphenol		ND	U	5	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	1	"	"	"	"	8270D
Hexachloroethane		ND	U	1	"	"	"	"	8270D
Nitrobenzene		ND	U	1	"	"	"	"	8270D
Isophorone		ND	U	1	"	"	"	"	8270D
2-Nitrophenol		ND	U	5	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	5	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	1	"	"	"	"	8270D
Naphthalene		ND	U	1	"	"	"	"	8270D
4-Chloroaniline		ND	C3, J, U	5	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	1	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	5	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	1	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	C3, J, U	5	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	1	"	"	"	"	8270D

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: **2108010-04** **Water - Sampled: 08/11/21 08:44**

Sample ID: **AMCO-RMW-06-15-081121**

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Semivolatile Organic Compounds by EPA Method 8270D									
2-Nitroaniline		ND	U	5	ug/L	B21H030	08/12/21	08/18/21	8270D
Dimethyl phthalate		ND	U	1	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Acenaphthylene		ND	U	1	"	"	"	"	8270D
3-Nitroaniline		ND	C3, J, U	5	"	"	"	"	8270D
Acenaphthene		ND	U	1	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C4, J, U	20	"	"	"	"	8270D
4-Nitrophenol		ND	U	5	"	"	"	"	8270D
Dibenzofuran		ND	U	1	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Diethyl phthalate		ND	U	1	"	"	"	"	8270D
Fluorene		ND	U	1	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
4-Nitroaniline		ND	U	5	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	5	"	"	"	"	8270D
Diphenyl amine		ND	U	1	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
Hexachlorobenzene		ND	U	1	"	"	"	"	8270D
Pentachlorophenol		ND	U	20	"	"	"	"	8270D
Phenanthrene		ND	U	1	"	"	"	"	8270D
Anthracene		ND	U	1	"	"	"	"	8270D
Carbazole		ND	C3, J, U	1	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	1	"	"	"	"	8270D
Fluoranthene		ND	U	1	"	"	"	"	8270D
Pyrene		ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	1	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	C4, J, U	5	"	"	"	"	8270D
Chrysene		ND	U	1	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	C3, J, Q3, U	1	"	"	"	"	8270D
Di-n-octyl phthalate		ND	C3, J, Q3, U	1	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	1	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	1	"	"	"	"	8270D

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-04									**Water - Sampled: 08/11/21 08:44**
Sample ID: AMCO-RMW-06-15-081121									**Semivolatile Organic Compounds by EPA Method 8270D**
Benzo(g,h,i)perylene		ND	U	1	ug/L	B21H030	08/12/21	08/18/21	8270D
Surrogate: 1,4-Dioxane-d8			61 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			67 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			73 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			71 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			54 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			75 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			78 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			98 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			61 %	*20-179%*		"	"	"	
Lab ID: 2108010-05									**Water - Sampled: 08/11/21 10:00**
Sample ID: AMCO-RMW-16-35-081121									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	C3, J, U	0.5	ug/L	B21H028	08/12/21	08/12/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride		3.0		0.5	"	"	"	"	524.2
Bromomethane		ND	U	0.5	"	"	"	"	524.2
Chloroethane		ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	"	"	"	524.2
Acetone		ND	C3, J, U	4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane		1.8		0.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene		4.5		0.5	"	"	"	"	524.2
2-Butanone (MEK)		ND	U	4	"	"	"	"	524.2
Bromochloromethane		ND	U	0.5	"	"	"	"	524.2
Chloroform		ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Benzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
Trichloroethene		3.0		0.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: **2108010-05** **Water - Sampled: 08/11/21 10:00**

Sample ID: **AMCO-RMW-16-35-081121**

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Dibromomethane		ND	U	0.5	ug/L	B21H028	08/12/21	08/12/21	524.2
Bromodichloromethane		ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Toluene		ND	U	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene		2.6		0.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene		0.9		0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
Ethylbenzene		ND	U	0.5	"	"	"	"	524.2
m&p-Xylene		ND	U	1	"	"	"	"	524.2
o-Xylene		ND	U	0.5	"	"	"	"	524.2
Styrene		ND	U	0.5	"	"	"	"	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		ND	U	0.5	"	"	"	"	524.2
Bromobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	0.5	"	"	"	"	524.2
Propylbenzene		ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene		0.4	C1, J	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene		0.8		0.5	"	"	"	"	524.2
Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	0.5	"	"	"	"	524.2
Naphthalene		ND	U	0.5	"	"	"	"	524.2

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-05									**Water - Sampled: 08/11/21 10:00**
Sample ID: AMCO-RMW-16-35-081121									**Volatile Organic Compounds by EPA Method 524.2**
1,2,3-Trichlorobenzene		ND	U	0.5	ug/L	B21H028	08/12/21	08/12/21	524.2
Surrogate: 1,2-Dichloroethane-d4			106 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8			102 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene			101 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			101 %	*74-113%*		"	"	"	
Sample ID: AMCO-RMW-16-35-081121									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE1	5.0		1	"	B21H030	08/12/21	08/20/21	8270D
Phenol	RE1	ND	U	5	"	"	"	"	8270D
Bis(2-chloroethyl)ether	RE1	ND	U	1	"	"	"	"	8270D
2-Chlorophenol	RE1	ND	U	5	"	"	"	"	8270D
1,3-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	8270D
1,4-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	8270D
Benzyl alcohol	RE1	ND	U	5	"	"	"	"	8270D
1,2-Dichlorobenzene	RE1	0.6	C1, J	1	"	"	"	"	8270D
2-Methylphenol	RE1	ND	U	5	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether	RE1	ND	U	1	"	"	"	"	8270D
3&4-Methylphenol	RE1	ND	U	5	"	"	"	"	8270D
N-Nitrosodipropylamine	RE1	ND	U	1	"	"	"	"	8270D
Hexachloroethane	RE1	ND	U	1	"	"	"	"	8270D
Nitrobenzene	RE1	ND	U	1	"	"	"	"	8270D
Isophorone	RE1	ND	U	1	"	"	"	"	8270D
2-Nitrophenol	RE1	ND	U	5	"	"	"	"	8270D
2,4-Dimethylphenol	RE1	ND	U	5	"	"	"	"	8270D
Bis(2-chloroethoxy)methane	RE1	ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol	RE1	ND	U	5	"	"	"	"	8270D
1,2,4-Trichlorobenzene	RE1	ND	U	1	"	"	"	"	8270D
Naphthalene	RE1	ND	U	1	"	"	"	"	8270D
4-Chloroaniline	RE1	ND	U	5	"	"	"	"	8270D
Hexachlorobutadiene	RE1	ND	U	1	"	"	"	"	8270D
4-Chloro-3-methylphenol	RE1	ND	U	5	"	"	"	"	8270D
2-Methylnaphthalene	RE1	ND	U	1	"	"	"	"	8270D
Hexachlorocyclopentadiene	RE1	ND	U	5	"	"	"	"	8270D
2,4,6-Trichlorophenol	RE1	ND	U	5	"	"	"	"	8270D
2,4,5-Trichlorophenol	RE1	ND	U	5	"	"	"	"	8270D
2-Chloronaphthalene	RE1	ND	U	1	"	"	"	"	8270D
2-Nitroaniline	RE1	ND	U	5	"	"	"	"	8270D
Dimethyl phthalate	RE1	ND	U	1	"	"	"	"	8270D

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108010-05 — **Water - Sampled: 08/11/21 10:00**

Sample ID: AMCO-RMW-16-35-081121

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
2,6-Dinitrotoluene	RE1	ND	U	1	ug/L	B21H030	08/12/21	08/20/21	8270D
Acenaphthylene	RE1	ND	U	1	"	"	"	"	8270D
3-Nitroaniline	RE1	ND	U	5	"	"	"	"	8270D
Acenaphthene	RE1	ND	U	1	"	"	"	"	8270D
2,4-Dinitrophenol	RE1	ND	C3, J, U	20	"	"	"	"	8270D
4-Nitrophenol	RE1	ND	C3, J, U	5	"	"	"	"	8270D
Dibenzofuran	RE1	ND	U	1	"	"	"	"	8270D
2,4-Dinitrotoluene	RE1	ND	U	1	"	"	"	"	8270D
Diethyl phthalate	RE1	ND	U	1	"	"	"	"	8270D
Fluorene	RE1	ND	U	1	"	"	"	"	8270D
4-Chlorophenyl phenyl ether	RE1	ND	U	1	"	"	"	"	8270D
4-Nitroaniline	RE1	ND	U	5	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol	RE1	ND	U	5	"	"	"	"	8270D
Diphenyl amine	RE1	ND	U	1	"	"	"	"	8270D
4-Bromophenyl phenyl ether	RE1	ND	U	1	"	"	"	"	8270D
Hexachlorobenzene	RE1	ND	U	1	"	"	"	"	8270D
Pentachlorophenol	RE1	ND	U	20	"	"	"	"	8270D
Phenanthrene	RE1	ND	U	1	"	"	"	"	8270D
Anthracene	RE1	ND	U	1	"	"	"	"	8270D
Carbazole	RE1	ND	U	1	"	"	"	"	8270D
Di-n-butyl phthalate	RE1	ND	U	1	"	"	"	"	8270D
Fluoranthene	RE1	ND	U	1	"	"	"	"	8270D
Pyrene	RE1	ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate	RE1	ND	U	1	"	"	"	"	8270D
Benzo(a)anthracene	RE1	ND	U	1	"	"	"	"	8270D
3,3'-Dichlorobenzidine	RE1	ND	U	5	"	"	"	"	8270D
Chrysene	RE1	ND	U	1	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate	RE1	0.9	C1, J	1	"	"	"	"	8270D
Di-n-octyl phthalate	RE1	ND	U	1	"	"	"	"	8270D
Benzo(b)fluoranthene	RE1	ND	U	1	"	"	"	"	8270D
Benzo(k)fluoranthene	RE1	ND	U	1	"	"	"	"	8270D
Benzo(a)pyrene	RE1	ND	U	1	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene	RE1	ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene	RE1	ND	U	1	"	"	"	"	8270D
Benzo(g,h,i)perylene	RE1	ND	U	1	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8	*RE1*	63 %		*34-110%*		"	"	"	

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-05									**Water - Sampled: 08/11/21 10:00**
Sample ID: AMCO-RMW-16-35-081121									**Semivolatile Organic Compounds by EPA Method 8270D**
Surrogate: 2-Fluorophenol	*RE1*		64 %	*54-110%*		*B21H030*	*08/12/21*	*08/20/21*	
Surrogate: Phenol-d5	*RE1*		62 %	*29-127%*		*"*	*"*	*"*	
Surrogate: 2-Chlorophenol-d4	*RE1*		65 %	*39-121%*		*"*	*"*	*"*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		64 %	*31-110%*		*"*	*"*	*"*	
Surrogate: Nitrobenzene-d5	*RE1*		66 %	*35-111%*		*"*	*"*	*"*	
Surrogate: 2-Fluorobiphenyl	*RE1*		68 %	*32-115%*		*"*	*"*	*"*	
Surrogate: 2,4,6-Tribromophenol	*RE1*		89 %	*37-150%*		*"*	*"*	*"*	
Surrogate: Terphenyl-d14	*RE1*		57 %	*20-179%*		*"*	*"*	*"*	
Lab ID: 2108010-06									**Water - Sampled: 08/11/21 11:21**
Sample ID: AMCO-RMW-16-61-081121									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	C3, J, U	0.5	ug/L	B21H028	08/12/21	08/12/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride		ND	U	0.5	"	"	"	"	524.2
Bromomethane		ND	U	0.5	"	"	"	"	524.2
Chloroethane		ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	"	"	"	524.2
Acetone		ND	C3, J, U	4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
2-Butanone (MEK)		ND	U	4	"	"	"	"	524.2
Bromochloromethane		ND	U	0.5	"	"	"	"	524.2
Chloroform		10		0.5	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Benzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
Trichloroethene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Dibromomethane		ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane		0.4	C1, J	0.5	"	"	"	"	524.2

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108010-06 — **Water - Sampled: 08/11/21 11:21**

Sample ID: AMCO-RMW-16-61-081121

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
cis-1,3-Dichloropropene		ND	U	0.5	ug/L	B21H028	08/12/21	08/12/21	524.2
Toluene		ND	U	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
Ethylbenzene		ND	U	0.5	"	"	"	"	524.2
m&p-Xylene		ND	U	1	"	"	"	"	524.2
o-Xylene		ND	U	0.5	"	"	"	"	524.2
Styrene		ND	U	0.5	"	"	"	"	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		ND	U	0.5	"	"	"	"	524.2
Bromobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	0.5	"	"	"	"	524.2
Propylbenzene		ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	0.5	"	"	"	"	524.2
Naphthalene		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-06									**Water - Sampled: 08/11/21 11:21**
Sample ID: AMCO-RMW-16-61-081121									**Volatile Organic Compounds by EPA Method 524.2**
Surrogate: 1,2-Dichloroethane-d4			108 %	*83-116%*		*B21H028*	*08/12/21*	*08/12/21*	
Surrogate: Toluene-d8			102 %	*81-112%*		*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene			101 %	*80-110%*		*"*	*"*	*"*	
Surrogate: 1,2-Dichlorobenzene-d4			99 %	*74-113%*		*"*	*"*	*"*	
Sample ID: AMCO-RMW-16-61-081121									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		ND	U	1	"	B21H030	08/12/21	08/18/21	8270D
Phenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	1	"	"	"	"	8270D
2-Chlorophenol		ND	U	5	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
Benzyl alcohol		ND	U	5	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
2-Methylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	1	"	"	"	"	8270D
3&4-Methylphenol		ND	U	5	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	1	"	"	"	"	8270D
Hexachloroethane		ND	U	1	"	"	"	"	8270D
Nitrobenzene		ND	U	1	"	"	"	"	8270D
Isophorone		ND	U	1	"	"	"	"	8270D
2-Nitrophenol		ND	U	5	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	5	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	1	"	"	"	"	8270D
Naphthalene		ND	U	1	"	"	"	"	8270D
4-Chloroaniline		ND	C3, J, U	5	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	1	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	5	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	1	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	C3, J, U	5	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	1	"	"	"	"	8270D
2-Nitroaniline		ND	U	5	"	"	"	"	8270D
Dimethyl phthalate		ND	U	1	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	1	"	"	"	"	8270D

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: **2108010-06** **Water - Sampled: 08/11/21 11:21**

Sample ID: **AMCO-RMW-16-61-081121**

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Acenaphthylene		ND	U	1	ug/L	B21H030	08/12/21	08/18/21	8270D
3-Nitroaniline		ND	C3, J, U	5	"	"	"	"	8270D
Acenaphthene		ND	U	1	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C4, J, U	20	"	"	"	"	8270D
4-Nitrophenol		ND	U	5	"	"	"	"	8270D
Dibenzofuran		ND	U	1	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Diethyl phthalate		ND	U	1	"	"	"	"	8270D
Fluorene		ND	U	1	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
4-Nitroaniline		ND	U	5	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	5	"	"	"	"	8270D
Diphenyl amine		ND	U	1	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
Hexachlorobenzene		ND	U	1	"	"	"	"	8270D
Pentachlorophenol		ND	U	20	"	"	"	"	8270D
Phenanthrene		ND	U	1	"	"	"	"	8270D
Anthracene		ND	U	1	"	"	"	"	8270D
Carbazole		ND	C3, J, U	1	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	1	"	"	"	"	8270D
Fluoranthene		ND	U	1	"	"	"	"	8270D
Pyrene		ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	1	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	C4, J, U	5	"	"	"	"	8270D
Chrysene		ND	U	1	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	C3, J, Q3, U	1	"	"	"	"	8270D
Di-n-octyl phthalate		ND	C3, J, Q3, U	1	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	1	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	1	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	1	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			70 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			64 %	*54-110%*		"	"	"	

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-06									**Water - Sampled: 08/11/21 11:21**
Sample ID: AMCO-RMW-16-61-081121									**Semivolatile Organic Compounds by EPA Method 8270D**
Surrogate: Phenol-d5		60 %		*29-127%*		*B21H030*	*08/12/21*	*08/18/21*	
Surrogate: 2-Chlorophenol-d4		65 %		*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4		67 %		*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5		71 %		*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl		70 %		*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol		84 %		*37-150%*		"	"	"	
Surrogate: Terphenyl-d14		70 %		*20-179%*		"	"	"	
Lab ID: 2108010-07									**Water - Sampled: 08/11/21 08:56**
Sample ID: AMCO-RMW-06-35-081121									**Dissolved Metals by EPA 200 Series Methods**
Iron		ND	U	100	ug/L	B21H039	08/16/21	08/27/21	200.7_Dissolved
Arsenic	RE1	1.2		0.50	"	B21I006	09/07/21	09/08/21	200.8_Dissolved
Cobalt		0.47		0.25	"	B21H040	08/16/21	08/18/21	200.8_Dissolved
Manganese		61		2	"	"	"	"	200.8_Dissolved
Nickel		8.9		1	"	"	"	"	200.8_Dissolved
Selenium		3.7		1	"	"	"	"	200.8_Dissolved
Sample ID: AMCO-RMW-06-35-081121									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	C3, J, U	0.5	"	B21H028	08/12/21	08/12/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride		ND	U	0.5	"	"	"	"	524.2
Bromomethane		ND	U	0.5	"	"	"	"	524.2
Chloroethane		ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	"	"	"	524.2
Acetone		ND	C3, J, U	4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
2-Butanone (MEK)		ND	U	4	"	"	"	"	524.2
Bromochloromethane		ND	U	0.5	"	"	"	"	524.2
Chloroform		ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Benzene		ND	U	0.5	"	"	"	"	524.2

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: **2108010-07** **Water - Sampled: 08/11/21 08:56**

Sample ID: **AMCO-RMW-06-35-081121**

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,2-Dichloroethane		ND	U	0.5	ug/L	B21H028	08/12/21	08/12/21	524.2
Trichloroethene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Dibromomethane		ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane		ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Toluene		ND	U	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
Ethylbenzene		ND	U	0.5	"	"	"	"	524.2
m&p-Xylene		ND	U	1	"	"	"	"	524.2
o-Xylene		ND	U	0.5	"	"	"	"	524.2
Styrene		ND	U	0.5	"	"	"	"	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		ND	U	0.5	"	"	"	"	524.2
Bromobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	0.5	"	"	"	"	524.2
Propylbenzene		ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Butylbenzene		ND	U	0.5	"	"	"	"	524.2

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-07									**Water - Sampled: 08/11/21 08:56**
Sample ID: AMCO-RMW-06-35-081121									**Volatile Organic Compounds by EPA Method 524.2**
1,2-Dibromo-3-chloropropane		ND	U	2	ug/L	B21H028	08/12/21	08/12/21	524.2
1,2,4-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	0.5	"	"	"	"	524.2
Naphthalene		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			110 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8			100 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene			101 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			100 %	*74-113%*		"	"	"	
Sample ID: AMCO-RMW-06-35-081121									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		ND	U	1	"	B21H030	08/12/21	08/18/21	8270D
Phenol		ND	U	4.8	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	1	"	"	"	"	8270D
2-Chlorophenol		ND	U	4.8	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
Benzyl alcohol		ND	U	4.8	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
2-Methylphenol		ND	U	4.8	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	1	"	"	"	"	8270D
3&4-Methylphenol		ND	U	4.8	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	1	"	"	"	"	8270D
Hexachloroethane		ND	U	1	"	"	"	"	8270D
Nitrobenzene		ND	U	1	"	"	"	"	8270D
Isophorone		ND	U	1	"	"	"	"	8270D
2-Nitrophenol		ND	U	4.8	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	4.8	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	4.8	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	1	"	"	"	"	8270D
Naphthalene		ND	U	1	"	"	"	"	8270D
4-Chloroaniline		ND	C3, J, U	4.8	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	1	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	4.8	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	1	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	C3, J, U	4.8	"	"	"	"	8270D

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: **2108010-07** **Water - Sampled: 08/11/21 08:56**

Sample ID: **AMCO-RMW-06-35-081121**

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
2,4,6-Trichlorophenol		ND	U	4.8	ug/L	B21H030	08/12/21	08/18/21	8270D
2,4,5-Trichlorophenol		ND	U	4.8	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	1	"	"	"	"	8270D
2-Nitroaniline		ND	U	4.8	"	"	"	"	8270D
Dimethyl phthalate		ND	U	1	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Acenaphthylene		ND	U	1	"	"	"	"	8270D
3-Nitroaniline		ND	C3, J, U	4.8	"	"	"	"	8270D
Acenaphthene		ND	U	1	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C4, J, U	19	"	"	"	"	8270D
4-Nitrophenol		ND	U	4.8	"	"	"	"	8270D
Dibenzofuran		ND	U	1	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Diethyl phthalate		ND	U	1	"	"	"	"	8270D
Fluorene		ND	U	1	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
4-Nitroaniline		ND	U	4.8	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	4.8	"	"	"	"	8270D
Diphenyl amine		ND	U	1	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
Hexachlorobenzene		ND	U	1	"	"	"	"	8270D
Pentachlorophenol		ND	U	19	"	"	"	"	8270D
Phenanthrene		ND	U	1	"	"	"	"	8270D
Anthracene		ND	U	1	"	"	"	"	8270D
Carbazole		ND	C3, J, U	1	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	1	"	"	"	"	8270D
Fluoranthene		ND	U	1	"	"	"	"	8270D
Pyrene		ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	1	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	C4, J, U	4.8	"	"	"	"	8270D
Chrysene		ND	U	1	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	C3, J, Q3, U	1	"	"	"	"	8270D
Di-n-octyl phthalate		ND	C3, J, Q3, U	1	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	1	"	"	"	"	8270D

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-07									**Water - Sampled: 08/11/21 08:56**
Sample ID: AMCO-RMW-06-35-081121									**Semivolatile Organic Compounds by EPA Method 8270D**
Benzo(a)pyrene		ND	U	1	ug/L	B21H030	08/12/21	08/18/21	8270D
Indeno(1,2,3-cd)pyrene		ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	1	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	1	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			63 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			62 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			64 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			70 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			63 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			72 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			79 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			87 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			64 %	*20-179%*		"	"	"	
Lab ID: 2108010-08									**Water - Sampled: 08/11/21 10:25**
Sample ID: AMCO-RMW-16W-15-081121									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	C3, J, U	0.5	ug/L	B21H028	08/12/21	08/12/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride		ND	U	0.5	"	"	"	"	524.2
Bromomethane		ND	U	0.5	"	"	"	"	524.2
Chloroethane		ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	"	"	"	524.2
Acetone		ND	C3, J, U	4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
2-Butanone (MEK)		ND	U	4	"	"	"	"	524.2
Bromochloromethane		ND	U	0.5	"	"	"	"	524.2
Chloroform		ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Benzene		ND	U	0.5	"	"	"	"	524.2

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: **2108010-08** **Water - Sampled: 08/11/21 10:25**

Sample ID: **AMCO-RMW-16W-15-081121**

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,2-Dichloroethane		ND	U	0.5	ug/L	B21H028	08/12/21	08/12/21	524.2
Trichloroethene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Dibromomethane		ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane		ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Toluene		ND	U	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
Ethylbenzene		ND	U	0.5	"	"	"	"	524.2
m&p-Xylene		ND	U	1	"	"	"	"	524.2
o-Xylene		ND	U	0.5	"	"	"	"	524.2
Styrene		ND	U	0.5	"	"	"	"	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		ND	U	0.5	"	"	"	"	524.2
Bromobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	0.5	"	"	"	"	524.2
Propylbenzene		ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Butylbenzene		ND	U	0.5	"	"	"	"	524.2

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-08									**Water - Sampled: 08/11/21 10:25**
Sample ID: AMCO-RMW-16W-15-081121									**Volatile Organic Compounds by EPA Method 524.2**
1,2-Dibromo-3-chloropropane		ND	U	2	ug/L	B21H028	08/12/21	08/12/21	524.2
1,2,4-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	0.5	"	"	"	"	524.2
Naphthalene		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			112 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8			99 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene			100 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			101 %	*74-113%*		"	"	"	
Sample ID: AMCO-RMW-16W-15-081121									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		ND	U	1	"	B21H030	08/12/21	08/18/21	8270D
Phenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	1	"	"	"	"	8270D
2-Chlorophenol		ND	U	5	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
Benzyl alcohol		ND	U	5	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
2-Methylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	1	"	"	"	"	8270D
3&4-Methylphenol		ND	U	5	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	1	"	"	"	"	8270D
Hexachloroethane		ND	U	1	"	"	"	"	8270D
Nitrobenzene		ND	U	1	"	"	"	"	8270D
Isophorone		ND	U	1	"	"	"	"	8270D
2-Nitrophenol		ND	U	5	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	5	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	1	"	"	"	"	8270D
Naphthalene		ND	U	1	"	"	"	"	8270D
4-Chloroaniline		ND	C3, J, U	5	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	1	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	5	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	1	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	C3, J, U	5	"	"	"	"	8270D

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: **2108010-08** **Water - Sampled: 08/11/21 10:25**

Sample ID: **AMCO-RMW-16W-15-081121**

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
2,4,6-Trichlorophenol		ND	U	5	ug/L	B21H030	08/12/21	08/18/21	8270D
2,4,5-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	1	"	"	"	"	8270D
2-Nitroaniline		ND	U	5	"	"	"	"	8270D
Dimethyl phthalate		ND	U	1	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Acenaphthylene		ND	U	1	"	"	"	"	8270D
3-Nitroaniline		ND	C3, J, U	5	"	"	"	"	8270D
Acenaphthene		ND	U	1	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C4, J, U	20	"	"	"	"	8270D
4-Nitrophenol		ND	U	5	"	"	"	"	8270D
Dibenzofuran		ND	U	1	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Diethyl phthalate		ND	U	1	"	"	"	"	8270D
Fluorene		ND	U	1	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
4-Nitroaniline		ND	U	5	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	5	"	"	"	"	8270D
Diphenyl amine		ND	U	1	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
Hexachlorobenzene		ND	U	1	"	"	"	"	8270D
Pentachlorophenol		ND	U	20	"	"	"	"	8270D
Phenanthrene		ND	U	1	"	"	"	"	8270D
Anthracene		ND	U	1	"	"	"	"	8270D
Carbazole		ND	C3, J, U	1	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	1	"	"	"	"	8270D
Fluoranthene		ND	U	1	"	"	"	"	8270D
Pyrene		ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	1	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	C4, J, U	5	"	"	"	"	8270D
Chrysene		ND	U	1	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	C3, J, Q3, U	1	"	"	"	"	8270D
Di-n-octyl phthalate		ND	C3, J, Q3, U	1	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	1	"	"	"	"	8270D

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-08									**Water - Sampled: 08/11/21 10:25**
Sample ID: AMCO-RMW-16W-15-081121									
						Semivolatile Organic Compounds by EPA Method 8270D			
Benzo(a)pyrene		ND	U	1	ug/L	B21H030	08/12/21	08/18/21	8270D
Indeno(1,2,3-cd)pyrene		ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	1	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	1	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			54 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			**43 %**	*54-110%*		"	"	"	
Surrogate: Phenol-d5			42 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			49 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			53 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			58 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			59 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			79 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			63 %	*20-179%*		"	"	"	
Lab ID: 2108010-09									**Water - Sampled: 08/11/21 09:43**
Sample ID: AMCO-081121-TB									
						Volatile Organic Compounds by EPA Method 524.2			
Dichlorodifluoromethane		ND	C3, J, U	0.5	ug/L	B21H028	08/12/21	08/12/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride		ND	U	0.5	"	"	"	"	524.2
Bromomethane		ND	U	0.5	"	"	"	"	524.2
Chloroethane		ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	"	"	"	524.2
Acetone		2.5	C1, C3, J	4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
2-Butanone (MEK)		ND	U	4	"	"	"	"	524.2
Bromochloromethane		ND	U	0.5	"	"	"	"	524.2
Chloroform		ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Benzene		ND	U	0.5	"	"	"	"	524.2

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: **2108010-09** **Water - Sampled: 08/11/21 09:43**

Sample ID: **AMCO-081121-TB**

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,2-Dichloroethane		ND	U	0.5	ug/L	B21H028	08/12/21	08/12/21	524.2
Trichloroethene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Dibromomethane		ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane		ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Toluene		ND	U	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
Ethylbenzene		ND	U	0.5	"	"	"	"	524.2
m&p-Xylene		ND	U	1	"	"	"	"	524.2
o-Xylene		ND	U	0.5	"	"	"	"	524.2
Styrene		ND	U	0.5	"	"	"	"	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		ND	U	0.5	"	"	"	"	524.2
Bromobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	0.5	"	"	"	"	524.2
Propylbenzene		ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Butylbenzene		ND	U	0.5	"	"	"	"	524.2

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-09									**Water - Sampled: 08/11/21 09:43**
Sample ID: AMCO-081121-TB									**Volatile Organic Compounds by EPA Method 524.2**
1,2-Dibromo-3-chloropropane		ND	U	2	ug/L	B21H028	08/12/21	08/12/21	524.2
1,2,4-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	0.5	"	"	"	"	524.2
Naphthalene		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			113 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8			101 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene			102 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			100 %	*74-113%*		"	"	"	
Lab ID: 2108010-10									**Water - Sampled: 08/11/21 10:30**
Sample ID: Dup 8-081121									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	C3, J, U	0.5	ug/L	B21H028	08/12/21	08/12/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride		ND	U	0.5	"	"	"	"	524.2
Bromomethane		ND	U	0.5	"	"	"	"	524.2
Chloroethane		ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	"	"	"	524.2
Acetone		ND	C3, J, U	4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
2-Butanone (MEK)		ND	U	4	"	"	"	"	524.2
Bromochloromethane		ND	U	0.5	"	"	"	"	524.2
Chloroform		ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Benzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
Trichloroethene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: **2108010-10** **Water - Sampled: 08/11/21 10:30**

Sample ID: **Dup 8-081121**

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Dibromomethane		ND	U	0.5	ug/L	B21H028	08/12/21	08/12/21	524.2
Bromodichloromethane		ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Toluene		ND	U	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
Ethylbenzene		ND	U	0.5	"	"	"	"	524.2
m&p-Xylene		ND	U	1	"	"	"	"	524.2
o-Xylene		ND	U	0.5	"	"	"	"	524.2
Styrene		ND	U	0.5	"	"	"	"	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		ND	U	0.5	"	"	"	"	524.2
Bromobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	0.5	"	"	"	"	524.2
Propylbenzene		ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	0.5	"	"	"	"	524.2

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Project Manager: Fatima Ty
Project Number: R21S29
Project: AMCO August 2021 Groundwater Monitoring

California Site Cleanup Section 2
75 Hawthorne Street
San Francisco CA, 94105

WorkOrder: 2108010
Reported: 09/17/21 09:35

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-10									**Water - Sampled: 08/11/21 10:30**
Sample ID: Dup 8-081121									**Volatile Organic Compounds by EPA Method 524.2**
Naphthalene		ND	U	0.5	ug/L	B21H028	08/12/21	08/12/21	524.2
1,2,3-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			109 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8			100 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene			101 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			100 %	*74-113%*		"	"	"	
Sample ID: Dup 8-081121									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		ND	U	1	"	B21H030	08/12/21	08/18/21	8270D
Phenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	1	"	"	"	"	8270D
2-Chlorophenol		ND	U	5	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
Benzyl alcohol		ND	U	5	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
2-Methylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	1	"	"	"	"	8270D
3&4-Methylphenol		ND	U	5	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	1	"	"	"	"	8270D
Hexachloroethane		ND	U	1	"	"	"	"	8270D
Nitrobenzene		ND	U	1	"	"	"	"	8270D
Isophorone		ND	U	1	"	"	"	"	8270D
2-Nitrophenol		ND	U	5	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	5	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	1	"	"	"	"	8270D
Naphthalene		ND	U	1	"	"	"	"	8270D
4-Chloroaniline		ND	C3, J, U	5	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	1	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	5	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	1	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	C3, J, U	5	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	1	"	"	"	"	8270D

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Project: AMCO August 2021 Groundwater Monitoring

California Site Cleanup Section 2
75 Hawthorne Street
San Francisco CA, 94105

WorkOrder: 2108010
Reported: 09/17/21 09:35

Sample Results

Lab ID: **2108010-10** — **Water - Sampled: 08/11/21 10:30**

Sample ID: **Dup 8-081121**

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
2-Nitroaniline		ND	U	5	ug/L	B21H030	08/12/21	08/18/21	8270D
Dimethyl phthalate		ND	U	1	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Acenaphthylene		ND	U	1	"	"	"	"	8270D
3-Nitroaniline		ND	C3, J, U	5	"	"	"	"	8270D
Acenaphthene		ND	U	1	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C4, J, U	20	"	"	"	"	8270D
4-Nitrophenol		ND	U	5	"	"	"	"	8270D
Dibenzofuran		ND	U	1	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Diethyl phthalate		ND	U	1	"	"	"	"	8270D
Fluorene		ND	U	1	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
4-Nitroaniline		ND	U	5	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	5	"	"	"	"	8270D
Diphenyl amine		ND	U	1	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
Hexachlorobenzene		ND	U	1	"	"	"	"	8270D
Pentachlorophenol		ND	U	20	"	"	"	"	8270D
Phenanthrene		ND	U	1	"	"	"	"	8270D
Anthracene		ND	U	1	"	"	"	"	8270D
Carbazole		ND	C3, J, U	1	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	1	"	"	"	"	8270D
Fluoranthene		ND	U	1	"	"	"	"	8270D
Pyrene		ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	1	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	C4, J, U	5	"	"	"	"	8270D
Chrysene		ND	U	1	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	C3, J, Q3, U	1	"	"	"	"	8270D
Di-n-octyl phthalate		ND	C3, J, Q3, U	1	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	1	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	1	"	"	"	"	8270D

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-10									**Water - Sampled: 08/11/21 10:30**
Sample ID: Dup 8-081121									
						Semivolatile Organic Compounds by EPA Method 8270D			
Benzo(g,h,i)perylene		ND	U	1	ug/L	B21H030	08/12/21	08/18/21	8270D
Surrogate: 1,4-Dioxane-d8			70 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			**34 %**	*54-110%*		"	"	"	
Surrogate: Phenol-d5			41 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			55 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			69 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			76 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			78 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			84 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			68 %	*20-179%*		"	"	"	
Lab ID: 2108010-11									**Water - Sampled: 08/11/21 14:30**
Sample ID: AMCO-X-46-081121-S									
						Volatile Organic Compounds by EPA Method 524.2			
Dichlorodifluoromethane	RE1	ND	U	0.5	ug/L	B21H029	08/12/21	08/12/21	524.2
Chloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Vinyl chloride	RE1	4.9		0.5	"	"	"	"	524.2
Bromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Acetone	RE1	4.7		4	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane	RE1	1.5		0.5	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	8.6		0.5	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	4	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroform	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Benzene	RE1	1.2		0.5	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Trichloroethene	RE1	0.3	C1, J	0.5	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
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Project Manager: Fatima Ty
Project Number: R21S29
Project: AMCO August 2021 Groundwater Monitoring

California Site Cleanup Section 2
75 Hawthorne Street
San Francisco CA, 94105

WorkOrder: 2108010
Reported: 09/17/21 09:35

Sample Results

Lab ID: **2108010-11** — **Water - Sampled: 08/11/21 14:30**

Sample ID: **AMCO-X-46-081121-S**

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Dibromomethane	RE1	ND	U	0.5	ug/L	B21H029	08/12/21	08/12/21	524.2
Bromodichloromethane	RE1	ND	C3, J, U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Toluene	RE1	ND	U	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	C3, J, U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorobenzene	RE1	1.0		0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Ethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
m&p-Xylene	RE1	ND	U	1	"	"	"	"	524.2
o-Xylene	RE1	ND	U	0.5	"	"	"	"	524.2
Styrene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromoform	RE1	ND	C3, J, U	0.5	"	"	"	"	524.2
Isopropylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Propylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	0.6		0.5	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	4.7		0.5	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	0.5	"	"	"	"	524.2
Naphthalene	RE1	ND	U	0.5	"	"	"	"	524.2

United States Environmental Protection Agency
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-11									**Water - Sampled: 08/11/21 14:30**
Sample ID: AMCO-X-46-081121-S									**Volatile Organic Compounds by EPA Method 524.2**
1,2,3-Trichlorobenzene	RE1	ND	U	0.5	ug/L	B21H029	08/12/21	08/12/21	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		105 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE1*		94 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE1*		94 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		106 %	*74-113%*		"	"	"	
Sample ID: AMCO-X-46-081121-S									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		7.7		1	"	B21H030	08/12/21	08/20/21	8270D
Phenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	1	"	"	"	"	8270D
2-Chlorophenol		ND	U	5	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
Benzyl alcohol		ND	U	5	"	"	"	"	8270D
1,2-Dichlorobenzene		2.6		1	"	"	"	"	8270D
2-Methylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	1	"	"	"	"	8270D
3&4-Methylphenol		ND	U	5	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	1	"	"	"	"	8270D
Hexachloroethane		ND	U	1	"	"	"	"	8270D
Nitrobenzene		ND	U	1	"	"	"	"	8270D
Isophorone		ND	U	1	"	"	"	"	8270D
2-Nitrophenol		ND	U	5	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	5	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	1	"	"	"	"	8270D
Naphthalene		ND	U	1	"	"	"	"	8270D
4-Chloroaniline		ND	U	5	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	1	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	5	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	1	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	5	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	1	"	"	"	"	8270D
2-Nitroaniline		ND	U	5	"	"	"	"	8270D
Dimethyl phthalate		ND	U	1	"	"	"	"	8270D

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108010-11 — **Water - Sampled: 08/11/21 14:30**

Sample ID: AMCO-X-46-081121-S

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
2,6-Dinitrotoluene		ND	U	1	ug/L	B21H030	08/12/21	08/20/21	8270D
Acenaphthylene		ND	U	1	"	"	"	"	8270D
3-Nitroaniline		ND	U	5	"	"	"	"	8270D
Acenaphthene		1.1		1	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	20	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	5	"	"	"	"	8270D
Dibenzofuran		ND	U	1	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Diethyl phthalate		ND	U	1	"	"	"	"	8270D
Fluorene		ND	U	1	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
4-Nitroaniline		ND	U	5	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	5	"	"	"	"	8270D
Diphenyl amine		ND	U	1	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
Hexachlorobenzene		ND	U	1	"	"	"	"	8270D
Pentachlorophenol		ND	U	20	"	"	"	"	8270D
Phenanthrene		ND	U	1	"	"	"	"	8270D
Anthracene		ND	U	1	"	"	"	"	8270D
Carbazole		ND	U	1	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	1	"	"	"	"	8270D
Fluoranthene		ND	U	1	"	"	"	"	8270D
Pyrene		ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	1	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	5	"	"	"	"	8270D
Chrysene		ND	U	1	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	1	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	1	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	1	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	1	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8		59 %		*34-110%*		"	"	"	

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-11									**Water - Sampled: 08/11/21 14:30**
Sample ID: AMCO-X-46-081121-S									**Semivolatile Organic Compounds by EPA Method 8270D**
Surrogate: 2-Fluorophenol		63 %		*54-110%*		*B21H030*	*08/12/21*	*08/20/21*	
Surrogate: Phenol-d5		66 %		*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4		68 %		*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4		65 %		*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5		70 %		*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl		72 %		*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol		100 %		*37-150%*		"	"	"	
Surrogate: Terphenyl-d14		55 %		*20-179%*		"	"	"	
Lab ID: 2108010-12									**Water - Sampled: 08/11/21 14:05**
Sample ID: AMCO-X-46-081121-I									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	U	0.5	ug/L	B21H029	08/12/21	08/12/21	524.2
Chloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Vinyl chloride	RE1	3.8		0.5	"	"	"	"	524.2
Bromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Acetone	RE1	7.6		4	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane	RE1	1.2		0.5	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	6.9		0.5	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	4	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroform	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Benzene	RE1	1.0		0.5	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Trichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	C3, J, U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108010-12 — **Water - Sampled: 08/11/21 14:05**

Sample ID: AMCO-X-46-081121-I

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Toluene	RE1	ND	U	0.5	ug/L	B21H029	08/12/21	08/12/21	524.2
trans-1,3-Dichloropropene	RE1	ND	C3, J, U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorobenzene	RE1	0.8		0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Ethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
m&p-Xylene	RE1	ND	U	1	"	"	"	"	524.2
o-Xylene	RE1	ND	U	0.5	"	"	"	"	524.2
Styrene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromoform	RE1	ND	C3, J, U	0.5	"	"	"	"	524.2
Isopropylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Propylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	0.6		0.5	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	4.0		0.5	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	0.5	"	"	"	"	524.2
Naphthalene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		102 %	*83-116%*		"	"	"	

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-12									**Water - Sampled: 08/11/21 14:05**
Sample ID: AMCO-X-46-081121-I									**Volatile Organic Compounds by EPA Method 524.2**
Surrogate: Toluene-d8	*RE1*		95 %	*81-112%*		*B21H029*	*08/12/21*	*08/12/21*	
Surrogate: 4-Bromofluorobenzene	*RE1*		95 %	*80-110%*		*"*	*"*	*"*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		102 %	*74-113%*		*"*	*"*	*"*	
Sample ID: AMCO-X-46-081121-I									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		10		1	"	B21H030	08/12/21	08/20/21	8270D
Phenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	1	"	"	"	"	8270D
2-Chlorophenol		ND	U	5	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
1,4-Dichlorobenzene		0.5	C1, J	1	"	"	"	"	8270D
Benzyl alcohol		ND	U	5	"	"	"	"	8270D
1,2-Dichlorobenzene		3.1		1	"	"	"	"	8270D
2-Methylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	1	"	"	"	"	8270D
3&4-Methylphenol		ND	U	5	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	1	"	"	"	"	8270D
Hexachloroethane		ND	U	1	"	"	"	"	8270D
Nitrobenzene		ND	U	1	"	"	"	"	8270D
Isophorone		ND	U	1	"	"	"	"	8270D
2-Nitrophenol		ND	U	5	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	5	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	1	"	"	"	"	8270D
Naphthalene		ND	U	1	"	"	"	"	8270D
4-Chloroaniline		ND	U	5	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	1	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	5	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	1	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	5	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	1	"	"	"	"	8270D
2-Nitroaniline		ND	U	5	"	"	"	"	8270D
Dimethyl phthalate		ND	U	1	"	"	"	"	8270D
2,6-Dinitrotoluene		0.5	C1, J	1	"	"	"	"	8270D
Acenaphthylene		ND	U	1	"	"	"	"	8270D

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108010-12 — **Water - Sampled: 08/11/21 14:05**

Sample ID: AMCO-X-46-081121-I

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
3-Nitroaniline		ND	U	5	ug/L	B21H030	08/12/21	08/20/21	8270D
Acenaphthene		1.2		1	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	20	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	5	"	"	"	"	8270D
Dibenzofuran		ND	U	1	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Diethyl phthalate		ND	U	1	"	"	"	"	8270D
Fluorene		ND	U	1	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
4-Nitroaniline		ND	U	5	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	5	"	"	"	"	8270D
Diphenyl amine		ND	U	1	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
Hexachlorobenzene		ND	U	1	"	"	"	"	8270D
Pentachlorophenol		ND	U	20	"	"	"	"	8270D
Phenanthrene		ND	U	1	"	"	"	"	8270D
Anthracene		ND	U	1	"	"	"	"	8270D
Carbazole		ND	U	1	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	1	"	"	"	"	8270D
Fluoranthene		ND	U	1	"	"	"	"	8270D
Pyrene		ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	1	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	5	"	"	"	"	8270D
Chrysene		ND	U	1	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	1	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	1	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	1	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	1	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8		65 %		*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol		71 %		*54-110%*		"	"	"	
Surrogate: Phenol-d5		67 %		*29-127%*		"	"	"	

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-12									**Water - Sampled: 08/11/21 14:05**
Sample ID: AMCO-X-46-081121-I									**Semivolatile Organic Compounds by EPA Method 8270D**
Surrogate: 2-Chlorophenol-d4		73 %		*39-121%*		*B21H030*	*08/12/21*	*08/20/21*	
Surrogate: 1,2-Dichlorobenzene-d4		68 %		*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5		74 %		*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl		72 %		*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol		103 %		*37-150%*		"	"	"	
Surrogate: Terphenyl-d14		57 %		*20-179%*		"	"	"	
Lab ID: 2108010-13									**Water - Sampled: 08/11/21 13:40**
Sample ID: AMCO-X-46-081121-D									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	U	0.5	ug/L	B21H029	08/12/21	08/12/21	524.2
Chloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Vinyl chloride	RE1	3.5		0.5	"	"	"	"	524.2
Bromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Acetone	RE1	2.6	C1, J	4	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane	RE1	1.0		0.5	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	6.1		0.5	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	4	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroform	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Benzene	RE1	0.9		0.5	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Trichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	C3, J, U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Toluene	RE1	ND	U	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	C3, J, U	0.5	"	"	"	"	524.2

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108010-13 — **Water - Sampled: 08/11/21 13:40**

Sample ID: AMCO-X-46-081121-D

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,1,2-Trichloroethane	RE1	ND	U	0.5	ug/L	B21H029	08/12/21	08/12/21	524.2
Tetrachloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorobenzene	RE1	0.7		0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Ethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
m&p-Xylene	RE1	ND	U	1	"	"	"	"	524.2
o-Xylene	RE1	ND	U	0.5	"	"	"	"	524.2
Styrene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromoform	RE1	ND	C3, J, U	0.5	"	"	"	"	524.2
Isopropylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Propylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	0.5		0.5	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	3.6		0.5	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	0.5	"	"	"	"	524.2
Naphthalene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		100 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE1*		96 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE1*		96 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		103 %	*74-113%*		"	"	"	

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Project Manager: Fatima Ty
Project Number: R21S29
Project: AMCO August 2021 Groundwater Monitoring

California Site Cleanup Section 2
75 Hawthorne Street
San Francisco CA, 94105

WorkOrder: 2108010
Reported: 09/17/21 09:35

Sample Results

Lab ID: **2108010-13** — **Water - Sampled: 08/11/21 13:40**

Sample ID: **AMCO-X-46-081121-D**

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,4-Dioxane		11		1	ug/L	B21H030	08/12/21	08/24/21	8270D
Phenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	1	"	"	"	"	8270D
2-Chlorophenol		ND	U	5	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
Benzyl alcohol		ND	U	5	"	"	"	"	8270D
1,2-Dichlorobenzene		2.2		1	"	"	"	"	8270D
2-Methylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	1	"	"	"	"	8270D
3&4-Methylphenol		ND	U	5	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	1	"	"	"	"	8270D
Hexachloroethane		ND	U	1	"	"	"	"	8270D
Nitrobenzene		ND	U	1	"	"	"	"	8270D
Isophorone		ND	U	1	"	"	"	"	8270D
2-Nitrophenol		ND	U	5	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	5	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	1	"	"	"	"	8270D
Naphthalene		ND	U	1	"	"	"	"	8270D
4-Chloroaniline		ND	U	5	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	1	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	5	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	1	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	5	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	1	"	"	"	"	8270D
2-Nitroaniline		ND	U	5	"	"	"	"	8270D
Dimethyl phthalate		ND	U	1	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Acenaphthylene		ND	U	1	"	"	"	"	8270D
3-Nitroaniline		ND	U	5	"	"	"	"	8270D
Acenaphthene		1.0		1	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	20	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	5	"	"	"	"	8270D

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108010-13 — **Water - Sampled: 08/11/21 13:40**

Sample ID: AMCO-X-46-081121-D

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Dibenzofuran		ND	U	1	ug/L	B21H030	08/12/21	08/24/21	8270D
2,4-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Diethyl phthalate		ND	U	1	"	"	"	"	8270D
Fluorene		ND	U	1	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
4-Nitroaniline		ND	U	5	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	5	"	"	"	"	8270D
Diphenyl amine		ND	U	1	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
Hexachlorobenzene		ND	U	1	"	"	"	"	8270D
Pentachlorophenol		ND	U	20	"	"	"	"	8270D
Phenanthrene		ND	U	1	"	"	"	"	8270D
Anthracene		ND	U	1	"	"	"	"	8270D
Carbazole		ND	U	1	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	1	"	"	"	"	8270D
Fluoranthene		ND	U	1	"	"	"	"	8270D
Pyrene		ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	1	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	5	"	"	"	"	8270D
Chrysene		ND	U	1	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		0.7	C1, J	1	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	1	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	1	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	1	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			46 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			**53 %**	*54-110%*		"	"	"	
Surrogate: Phenol-d5			49 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			56 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			54 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			57 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			60 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			91 %	*37-150%*		"	"	"	

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Project Manager: Fatima Ty
Project Number: R21S29
Project: AMCO August 2021 Groundwater Monitoring

California Site Cleanup Section 2
75 Hawthorne Street
San Francisco CA, 94105

WorkOrder: 2108010
Reported: 09/17/21 09:35

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-13									**Water - Sampled: 08/11/21 13:40**
Sample ID: AMCO-X-46-081121-D									**Semivolatile Organic Compounds by EPA Method 8270D**
Surrogate: Terphenyl-d14			52 %	*20-179%*		*B21H030*	*08/12/21*	*08/24/21*	
Lab ID: 2108010-14									**Water - Sampled: 08/11/21 12:00**
Sample ID: AMCO-X-49-081121-D									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	U	2.5	ug/L	B21H029	08/12/21	08/12/21	524.2
Chloromethane	RE1	ND	U	2.5	"	"	"	"	524.2
Vinyl chloride	RE1	6.0		2.5	"	"	"	"	524.2
Bromomethane	RE1	ND	U	2.5	"	"	"	"	524.2
Chloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	2.5	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Acetone	RE1	ND	U	20	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	2.5	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	2.8		2.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	10	"	"	"	"	524.2
1,1-Dichloroethane	RE1	4.2		2.5	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	1.6	C1, J	2.5	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	20	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	2.5	"	"	"	"	524.2
Chloroform	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	2.5	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	2.5	"	"	"	"	524.2
Benzene	RE1	7.6		2.5	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Trichloroethene	RE1	ND	U	2.5	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	2.5	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	C3, J, U	2.5	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	2.5	"	"	"	"	524.2
Toluene	RE1	ND	U	2.5	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	C3, J, U	2.5	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	2.5	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	2.5	"	"	"	"	524.2

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager: Fatima Ty
Project Number: R21S29
Project: AMCO August 2021 Groundwater Monitoring

California Site Cleanup Section 2
75 Hawthorne Street
San Francisco CA, 94105

WorkOrder: 2108010
Reported: 09/17/21 09:35

Sample Results

Lab ID: 2108010-14 — **Water - Sampled: 08/11/21 12:00**

Sample ID: AMCO-X-49-081121-D — **Volatile Organic Compounds by EPA Method 524.2**

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,2-Dibromoethane (EDB)	RE1	ND	U	2.5	ug/L	B21H029	08/12/21	08/12/21	524.2
Chlorobenzene	RE1	1.8	C1, J	2.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Ethylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
m&p-Xylene	RE1	12		5	"	"	"	"	524.2
o-Xylene	RE1	3.4		2.5	"	"	"	"	524.2
Styrene	RE1	ND	U	2.5	"	"	"	"	524.2
Bromoform	RE1	ND	C3, J, U	2.5	"	"	"	"	524.2
Isopropylbenzene	RE1	5.6		2.5	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
Propylbenzene	RE1	12		2.5	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	2.5	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	2.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	62		2.5	"	"	"	"	524.2
sec-Butylbenzene	RE1	2.8		2.5	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
p-Isopropyltoluene	RE1	15		2.5	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	10		2.5	"	"	"	"	524.2
Butylbenzene	RE1	2.6		2.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	10	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	2.5	"	"	"	"	524.2
Naphthalene	RE1	25		2.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		94 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE1*		97 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE1*		95 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		102 %	*74-113%*		"	"	"	

Sample ID: AMCO-X-49-081121-D — **Semivolatile Organic Compounds by EPA Method 8270D**

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,4-Dioxane	RE1	21		20	"	B21H030	08/12/21	08/31/21	8270D
Phenol		ND	U	25	"	"	"	08/24/21	8270D
Bis(2-chloroethyl)ether		ND	U	5	"	"	"	"	8270D
2-Chlorophenol		ND	U	25	"	"	"	"	8270D

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108010-14 — **Water - Sampled: 08/11/21 12:00**

Sample ID: AMCO-X-49-081121-D

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,3-Dichlorobenzene		ND	U	5	ug/L	B21H030	08/12/21	08/24/21	8270D
1,4-Dichlorobenzene		ND	U	5	"	"	"	"	8270D
Benzyl alcohol		ND	U	25	"	"	"	"	8270D
1,2-Dichlorobenzene		7.9		5	"	"	"	"	8270D
2-Methylphenol		ND	U	25	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	5	"	"	"	"	8270D
3&4-Methylphenol		ND	U	25	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	5	"	"	"	"	8270D
Hexachloroethane		ND	U	5	"	"	"	"	8270D
Nitrobenzene		ND	U	5	"	"	"	"	8270D
Isophorone		ND	U	5	"	"	"	"	8270D
2-Nitrophenol		ND	U	25	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	25	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	5	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	25	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	5	"	"	"	"	8270D
Naphthalene		20		5	"	"	"	"	8270D
4-Chloroaniline		ND	U	25	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	5	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	25	"	"	"	"	8270D
2-Methylnaphthalene		38		5	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	25	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	25	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	25	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	5	"	"	"	"	8270D
2-Nitroaniline		ND	U	25	"	"	"	"	8270D
Dimethyl phthalate		ND	U	5	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	5	"	"	"	"	8270D
Acenaphthylene		ND	U	5	"	"	"	"	8270D
3-Nitroaniline		ND	U	25	"	"	"	"	8270D
Acenaphthene		ND	U	5	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, C4, J, U	100	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	25	"	"	"	"	8270D
Dibenzofuran		ND	U	5	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	5	"	"	"	"	8270D
Diethyl phthalate		ND	U	5	"	"	"	"	8270D
Fluorene		ND	U	5	"	"	"	"	8270D

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Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108010-14 — **Water - Sampled: 08/11/21 12:00**

Sample ID: AMCO-X-49-081121-D

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
4-Chlorophenyl phenyl ether		ND	U	5	ug/L	B21H030	08/12/21	08/24/21	8270D
4-Nitroaniline		ND	U	25	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	C4, J, Q3, U	25	"	"	"	"	8270D
Diphenyl amine		ND	U	5	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	5	"	"	"	"	8270D
Hexachlorobenzene		ND	U	5	"	"	"	"	8270D
Pentachlorophenol		ND	U	100	"	"	"	"	8270D
Phenanthrene		2.5	C1, J	5	"	"	"	"	8270D
Anthracene		ND	U	5	"	"	"	"	8270D
Carbazole		ND	U	5	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	5	"	"	"	"	8270D
Fluoranthene		4.7	C1, J	5	"	"	"	"	8270D
Pyrene		5.3		5	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	5	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	5	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	25	"	"	"	"	8270D
Chrysene		ND	U	5	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	5	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	5	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	5	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	5	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	5	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	5	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	5	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	5	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8		57 %		*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol		68 %		*54-110%*		"	"	"	
Surrogate: Phenol-d5		73 %		*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4		75 %		*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4		73 %		*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5		74 %		*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl		82 %		*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol		94 %		*37-150%*		"	"	"	
Surrogate: Terphenyl-d14		50 %		*20-179%*		"	"	"	

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Project Manager: Fatima Ty
Project Number: R21S29
Project: AMCO August 2021 Groundwater Monitoring

California Site Cleanup Section 2
75 Hawthorne Street
San Francisco CA, 94105

WorkOrder: 2108010
Reported: 09/17/21 09:35

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-15									**Water - Sampled: 08/11/21 14:05**
Sample ID: AMCO-X-49-081121-I									**Dissolved Metals by EPA 200 Series Methods**
Iron		1,800		100	ug/L	B21H039	08/16/21	08/27/21	200.7_Dissolved
Manganese		840		5	"	"	"	"	200.7_Dissolved
Arsenic		2.8		0.50	"	B21H040	08/16/21	08/18/21	200.8_Dissolved
Cobalt		0.53		0.25	"	"	"	"	200.8_Dissolved
Nickel		7.5		1	"	"	"	"	200.8_Dissolved
Selenium		1.6		1	"	"	"	"	200.8_Dissolved
Sample ID: AMCO-X-49-081121-I									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	J, Q4, U	2.5	"	B21H025	08/12/21	08/12/21	524.2
Chloromethane	RE1	ND	U	2.5	"	"	"	"	524.2
Vinyl chloride	RE1	7.2	J, Q4	2.5	"	"	"	"	524.2
Bromomethane	RE1	ND	U	2.5	"	"	"	"	524.2
Chloroethane	RE1	ND	J, Q4, U	2.5	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	J, Q4, U	2.5	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	J, Q4, U	2.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Acetone	RE1	ND	U	20	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	2.5	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	3.0		2.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	J, Q4, U	10	"	"	"	"	524.2
1,1-Dichloroethane	RE1	4.6	J, Q2	2.5	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	2.3	C1, J	2.5	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	J, Q4, Q6, U	20	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	2.5	"	"	"	"	524.2
Chloroform	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	2.5	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	2.5	"	"	"	"	524.2
Benzene	RE1	7.2		2.5	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Trichloroethene	RE1	ND	U	2.5	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	2.5	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	U	2.5	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	2.5	"	"	"	"	524.2
Toluene	RE1	ND	U	2.5	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	2.5	"	"	"	"	524.2

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-15									**Water - Sampled: 08/11/21 14:05**
Sample ID: AMCO-X-49-081121-I									**Volatile Organic Compounds by EPA Method 524.2**
Tetrachloroethene	RE1	ND	U	2.5	ug/L	B21H025	08/12/21	08/12/21	524.2
1,3-Dichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	2.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	2.5	"	"	"	"	524.2
Chlorobenzene	RE1	1.6	C1, J	2.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Ethylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
m&p-Xylene	RE1	12		5	"	"	"	"	524.2
o-Xylene	RE1	3.4		2.5	"	"	"	"	524.2
Styrene	RE1	ND	U	2.5	"	"	"	"	524.2
Bromoform	RE1	ND	U	2.5	"	"	"	"	524.2
Isopropylbenzene	RE1	5.3		2.5	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
Propylbenzene	RE1	12		2.5	"	"	"	"	524.2
2-Chlorotoluene	RE1	21	J, Q4	2.5	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	2.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	1.2	C1, J	2.5	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	59		2.5	"	"	"	"	524.2
sec-Butylbenzene	RE1	2.6		2.5	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
p-Isopropyltoluene	RE1	14		2.5	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	10		2.5	"	"	"	"	524.2
Butylbenzene	RE1	2.4	C1, J	2.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	J, Q6, U	10	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	2.5	"	"	"	"	524.2
Naphthalene	RE1	22	J, Q6	2.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	J, Q6, U	2.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		101 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE1*		98 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE1*		99 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		104 %	*74-113%*		"	"	"	
Sample ID: AMCO-X-49-081121-I									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE2	31	A3, J	3.3	"	B21I003	09/02/21	09/08/21	8270D

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Fatima Ty
Project Number: R21S29
Project: AMCO August 2021 Groundwater Monitoring

California Site Cleanup Section 2
75 Hawthorne Street
San Francisco CA, 94105

WorkOrder: 2108010
Reported: 09/17/21 09:35

Sample Results

Lab ID: **2108010-15** — **Water - Sampled: 08/11/21 14:05**

Sample ID: **AMCO-X-49-081121-I**

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Phenol	RE2	ND	A3, J, U	17	ug/L	B21I003	09/02/21	09/08/21	8270D
Bis(2-chloroethyl)ether	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
2-Chlorophenol	RE2	ND	A3, J, U	17	"	"	"	"	8270D
1,3-Dichlorobenzene	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
1,4-Dichlorobenzene	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
Benzyl alcohol	RE2	ND	A3, J, U	17	"	"	"	"	8270D
1,2-Dichlorobenzene	RE2	7.0	A3, J	3.3	"	"	"	"	8270D
2-Methylphenol	RE2	ND	A3, J, U	17	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether	RE2	ND	J, A3, C3, U	3.3	"	"	"	"	8270D
3&4-Methylphenol	RE2	ND	A3, J, U	17	"	"	"	"	8270D
N-Nitrosodipropylamine	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
Hexachloroethane	RE2	ND	A3, J, Q4, U	3.3	"	"	"	"	8270D
Nitrobenzene	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
Isophorone	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
2-Nitrophenol	RE2	ND	A3, J, U	17	"	"	"	"	8270D
2,4-Dimethylphenol	RE2	ND	U, A3, J	17	"	"	"	"	8270D
Bis(2-chloroethoxy)methane	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
2,4-Dichlorophenol	RE2	ND	A3, J, U	17	"	"	"	"	8270D
1,2,4-Trichlorobenzene	RE2	ND	U, A3, J	3.3	"	"	"	"	8270D
Naphthalene	RE2	12	A3, J	3.3	"	"	"	"	8270D
4-Chloroaniline	RE2	ND	A3, J, U	17	"	"	"	"	8270D
Hexachlorobutadiene	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
4-Chloro-3-methylphenol	RE2	ND	A3, J, U	17	"	"	"	"	8270D
2-Methylnaphthalene	RE2	14	A3, J	3.3	"	"	"	"	8270D
Hexachlorocyclopentadiene	RE2	ND	A3, J, U	17	"	"	"	"	8270D
2,4,6-Trichlorophenol	RE2	ND	A3, J, U	17	"	"	"	"	8270D
2,4,5-Trichlorophenol	RE2	ND	A3, J, U	17	"	"	"	"	8270D
2-Chloronaphthalene	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
3,4-Dichlorophenol	RE2	ND	A3, J, U	17	"	"	"	"	8270D
2-Nitroaniline	RE2	ND	A3, J, U	17	"	"	"	"	8270D
Dimethyl phthalate	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
2,6-Dinitrotoluene	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
Acenaphthylene	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
3-Nitroaniline	RE2	ND	A3, J, U	17	"	"	"	"	8270D
Acenaphthene	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
2,4-Dinitrophenol	RE2	ND	A3, C3, C4, J, Q6, U	67	"	"	"	"	8270D

United States Environmental Protection Agency
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108010-15 — **Water - Sampled: 08/11/21 14:05**

Sample ID: AMCO-X-49-081121-I

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
4-Nitrophenol	RE2	ND	A3, J, U	17	ug/L	B21I003	09/02/21	09/08/21	8270D
Dibenzofuran	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
2,4-Dinitrotoluene	RE2	ND	U, A3, J	3.3	"	"	"	"	8270D
Diethyl phthalate	RE2	ND	J, A3, U	3.3	"	"	"	"	8270D
Fluorene	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
4-Chlorophenyl phenyl ether	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
4-Nitroaniline	RE2	ND	A3, J, U	17	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol	RE2	ND	A3, J, Q3, U	17	"	"	"	"	8270D
Diphenyl amine	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
4-Bromophenyl phenyl ether	RE2	ND	A3, J, Q4, U	3.3	"	"	"	"	8270D
Hexachlorobenzene	RE2	ND	A3, J, Q4, U	3.3	"	"	"	"	8270D
Pentachlorophenol	RE2	ND	A3, C4, J, Q4, Q6, U	67	"	"	"	"	8270D
Phenanthrene	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
Anthracene	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
Carbazole	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
Di-n-butyl phthalate	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
Fluoranthene	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
Pyrene	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
Butyl benzyl phthalate	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
Benzo(a)anthracene	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
3,3'-Dichlorobenzidine	RE2	ND	A3, C3, J, Q4, U	17	"	"	"	"	8270D
Chrysene	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
Di-n-octyl phthalate	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
Benzo(b)fluoranthene	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
Benzo(k)fluoranthene	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
Benzo(a)pyrene	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
Dibenz(a,h)anthracene	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
Benzo(g,h,i)perylene	RE2	ND	A3, J, U	3.3	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8	*RE2*		58 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol	*RE2*		69 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5	*RE2*		71 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4	*RE2*		76 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE2*		69 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5	*RE2*		74 %	*35-111%*		"	"	"	

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Project Manager: Fatima Ty
Project Number: R21S29
Project: AMCO August 2021 Groundwater Monitoring

California Site Cleanup Section 2
75 Hawthorne Street
San Francisco CA, 94105

WorkOrder: 2108010
Reported: 09/17/21 09:35

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-15									**Water - Sampled: 08/11/21 14:05**
Sample ID: AMCO-X-49-081121-I									**Semivolatile Organic Compounds by EPA Method 8270D**
Surrogate: 2-Fluorobiphenyl	*RE2*		76 %	*32-115%*		*B21I003*	*09/02/21*	*09/08/21*	
Surrogate: 2,4,6-Tribromophenol	*RE2*		121 %	*37-150%*		*"*	*"*	*"*	
Surrogate: Terphenyl-d14	*RE2*		68 %	*20-179%*		*"*	*"*	*"*	
Lab ID: 2108010-16									**Water - Sampled: 08/11/21 14:58**
Sample ID: AMCO-X-49-081121-S									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	U	0.5	ug/L	B21H029	08/12/21	08/12/21	524.2
Chloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Vinyl chloride	RE1	7.5		0.5	"	"	"	"	524.2
Bromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroethane	RE1	2.9		0.5	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Acetone	RE1	ND	U	4	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	2.8		0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane	RE1	3.9		0.5	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	5.0		0.5	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	4	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroform	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Benzene	RE1	7.2		0.5	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Trichloroethene	RE1	0.4	C1, J	0.5	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	C3, J, U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Toluene	RE1	0.4	C1, J	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	C3, J, U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2

United States Environmental Protection Agency
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Project Manager: Fatima Ty
Project Number: R21S29
Project: AMCO August 2021 Groundwater Monitoring

California Site Cleanup Section 2
75 Hawthorne Street
San Francisco CA, 94105

WorkOrder: 2108010
Reported: 09/17/21 09:35

Sample Results

Lab ID: 2108010-16 — **Water - Sampled: 08/11/21 14:58**

Sample ID: AMCO-X-49-081121-S

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Chlorodibromomethane	RE1	ND	U	0.5	ug/L	B21H029	08/12/21	08/12/21	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorobenzene	RE1	1.8		0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Ethylbenzene	RE1	1.9		0.5	"	"	"	"	524.2
m&p-Xylene	RE1	15		1	"	"	"	"	524.2
o-Xylene	RE1	4.3		0.5	"	"	"	"	524.2
Styrene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromoform	RE1	ND	C3, J, U	0.5	"	"	"	"	524.2
Isopropylbenzene	RE1	6.2		0.5	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Propylbenzene	RE1	14		0.5	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	5.4		0.5	"	"	"	"	524.2
tert-Butylbenzene	RE1	0.6		0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE2	66		2.5	"	"	"	08/12/21	524.2
sec-Butylbenzene	RE1	3.1		0.5	"	"	"	08/12/21	524.2
1,3-Dichlorobenzene	RE1	0.3	C1, J	0.5	"	"	"	"	524.2
p-Isopropyltoluene	RE1	20		0.5	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	1.1		0.5	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	12		0.5	"	"	"	"	524.2
Butylbenzene	RE1	3.2		0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	0.9		0.5	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	0.5	"	"	"	"	524.2
Naphthalene	RE2	25		2.5	"	"	"	08/12/21	524.2
1,2,3-Trichlorobenzene	RE1	0.2	C1, J	0.5	"	"	"	08/12/21	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		101 %	*83-116%*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4	*RE2*		92 %	*83-116%*		"	"	*08/12/21*	
Surrogate: Toluene-d8	*RE1*		95 %	*81-112%*		"	"	*08/12/21*	
Surrogate: Toluene-d8	*RE2*		96 %	*81-112%*		"	"	*08/12/21*	
Surrogate: 4-Bromofluorobenzene	*RE1*		99 %	*80-110%*		"	"	*08/12/21*	
Surrogate: 4-Bromofluorobenzene	*RE2*		97 %	*80-110%*		"	"	*08/12/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		**118 %**	*74-113%*		"	"	*08/12/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE2*		104 %	*74-113%*		"	"	*08/12/21*	

Sample ID: AMCO-X-49-081121-S

Semivolatile Organic Compounds by EPA Method 8270D

United States Environmental Protection Agency
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1337 S. 46th Street, Building 201, Richmond, CA 94804
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108010-16 — **Water - Sampled: 08/11/21 14:58**

Sample ID: AMCO-X-49-081121-S

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,4-Dioxane	RE1	15	C1, J	19	ug/L	B21H030	08/12/21	08/31/21	8270D
Phenol		ND	U	24	"	"	"	08/24/21	8270D
Bis(2-chloroethyl)ether		ND	U	4.7	"	"	"	"	8270D
2-Chlorophenol		ND	U	24	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	4.7	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	4.7	"	"	"	"	8270D
Benzyl alcohol		ND	U	24	"	"	"	"	8270D
1,2-Dichlorobenzene		7.3		4.7	"	"	"	"	8270D
2-Methylphenol		ND	U	24	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	4.7	"	"	"	"	8270D
3&4-Methylphenol		ND	U	24	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	4.7	"	"	"	"	8270D
Hexachloroethane		ND	U	4.7	"	"	"	"	8270D
Nitrobenzene		ND	U	4.7	"	"	"	"	8270D
Isophorone		ND	U	4.7	"	"	"	"	8270D
2-Nitrophenol		ND	U	24	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	24	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	4.7	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	24	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	4.7	"	"	"	"	8270D
Naphthalene		19		4.7	"	"	"	"	8270D
4-Chloroaniline		ND	U	24	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	4.7	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	24	"	"	"	"	8270D
2-Methylnaphthalene		37		4.7	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	24	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	24	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	24	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	4.7	"	"	"	"	8270D
2-Nitroaniline		ND	U	24	"	"	"	"	8270D
Dimethyl phthalate		ND	U	4.7	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	4.7	"	"	"	"	8270D
Acenaphthylene		ND	U	4.7	"	"	"	"	8270D
3-Nitroaniline		ND	U	24	"	"	"	"	8270D
Acenaphthene		ND	U	4.7	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, C4, J, U	94	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	24	"	"	"	"	8270D

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108010-16 — **Water - Sampled: 08/11/21 14:58**

Sample ID: AMCO-X-49-081121-S

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Dibenzofuran		ND	U	4.7	ug/L	B21H030	08/12/21	08/24/21	8270D
2,4-Dinitrotoluene		ND	U	4.7	"	"	"	"	8270D
Diethyl phthalate		ND	U	4.7	"	"	"	"	8270D
Fluorene		ND	U	4.7	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	4.7	"	"	"	"	8270D
4-Nitroaniline		ND	U	24	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	C4, J, Q3, U	24	"	"	"	"	8270D
Diphenyl amine		ND	U	4.7	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	4.7	"	"	"	"	8270D
Hexachlorobenzene		ND	U	4.7	"	"	"	"	8270D
Pentachlorophenol		ND	U	94	"	"	"	"	8270D
Phenanthrene		ND	U	4.7	"	"	"	"	8270D
Anthracene		ND	U	4.7	"	"	"	"	8270D
Carbazole		ND	U	4.7	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	4.7	"	"	"	"	8270D
Fluoranthene		ND	U	4.7	"	"	"	"	8270D
Pyrene		ND	U	4.7	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	4.7	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	4.7	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	24	"	"	"	"	8270D
Chrysene		ND	U	4.7	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	4.7	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	4.7	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	4.7	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	4.7	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	4.7	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	4.7	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	4.7	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	4.7	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			42 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			56 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			64 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			65 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			62 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			67 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			80 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			101 %	*37-150%*		"	"	"	

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager: Fatima Ty
Project Number: R21S29
Project: AMCO August 2021 Groundwater Monitoring

California Site Cleanup Section 2
75 Hawthorne Street
San Francisco CA, 94105

WorkOrder: 2108010
Reported: 09/17/21 09:35

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-16									**Water - Sampled: 08/11/21 14:58**
Sample ID: AMCO-X-49-081121-S									**Semivolatile Organic Compounds by EPA Method 8270D**
Surrogate: Terphenyl-d14			55 %	*20-179%*		*B21H030*	*08/12/21*	*08/24/21*	
Lab ID: 2108010-17									**Water - Sampled: 08/11/21 14:31**
Sample ID: AMCO-X-50-D-081121									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	U	0.5	ug/L	B21H029	08/12/21	08/12/21	524.2
Chloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Vinyl chloride	RE1	ND	U	0.5	"	"	"	"	524.2
Bromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Acetone	RE1	2.1	C1, J	4	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	14		2	"	"	"	"	524.2
1,1-Dichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	4	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroform	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Benzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichloroethane	RE1	0.3	C1, J	0.5	"	"	"	"	524.2
Trichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	C3, J, U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Toluene	RE1	ND	U	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	J, C3, U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-17									**Water - Sampled: 08/11/21 14:31**
Sample ID: AMCO-X-50-D-081121									**Volatile Organic Compounds by EPA Method 524.2**
1,2-Dibromoethane (EDB)	RE1	ND	U	0.5	ug/L	B21H029	08/12/21	08/12/21	524.2
Chlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Ethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
m&p-Xylene	RE1	ND	U	1	"	"	"	"	524.2
o-Xylene	RE1	ND	U	0.5	"	"	"	"	524.2
Styrene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromoform	RE1	ND	C3, J, U	0.5	"	"	"	"	524.2
Isopropylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Propylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	0.5	"	"	"	"	524.2
Naphthalene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		99 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE1*		94 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE1*		99 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		**118 %**	*74-113%*		"	"	"	
Sample ID: AMCO-X-50-D-081121									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		ND	U	20	"	B21H030	08/12/21	08/24/21	8270D
Phenol		ND	U	100	"	"	"	"	8270D

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108010-17 — **Water - Sampled: 08/11/21 14:31**

Sample ID: AMCO-X-50-D-081121

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Bis(2-chloroethyl)ether		ND	U	20	ug/L	B21H030	08/12/21	08/24/21	8270D
2-Chlorophenol		ND	U	100	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	20	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	20	"	"	"	"	8270D
Benzyl alcohol		ND	U	100	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	20	"	"	"	"	8270D
2-Methylphenol		ND	U	100	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	20	"	"	"	"	8270D
3&4-Methylphenol		ND	U	100	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	20	"	"	"	"	8270D
Hexachloroethane		ND	U	20	"	"	"	"	8270D
Nitrobenzene		ND	U	20	"	"	"	"	8270D
Isophorone		ND	U	20	"	"	"	"	8270D
2-Nitrophenol		ND	U	100	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	100	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	20	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	100	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	20	"	"	"	"	8270D
Naphthalene		ND	U	20	"	"	"	"	8270D
4-Chloroaniline		ND	U	100	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	20	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	100	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	20	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	100	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	100	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	100	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	20	"	"	"	"	8270D
2-Nitroaniline		ND	U	100	"	"	"	"	8270D
Dimethyl phthalate		ND	U	20	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	20	"	"	"	"	8270D
Acenaphthylene		ND	U	20	"	"	"	"	8270D
3-Nitroaniline		ND	U	100	"	"	"	"	8270D
Acenaphthene		ND	U	20	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, C4, J, U	400	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	100	"	"	"	"	8270D
Dibenzofuran		ND	U	20	"	"	"	"	8270D

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108010-17 — **Water - Sampled: 08/11/21 14:31**

Sample ID: AMCO-X-50-D-081121

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
2,4-Dinitrotoluene		ND	U	20	ug/L	B21H030	08/12/21	08/24/21	8270D
Diethyl phthalate		ND	U	20	"	"	"	"	8270D
Fluorene		ND	U	20	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	20	"	"	"	"	8270D
4-Nitroaniline		ND	U	100	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	C4, J, Q3, U	100	"	"	"	"	8270D
Diphenyl amine		ND	U	20	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	20	"	"	"	"	8270D
Hexachlorobenzene		ND	U	20	"	"	"	"	8270D
Pentachlorophenol		ND	U	400	"	"	"	"	8270D
Phenanthrene		ND	U	20	"	"	"	"	8270D
Anthracene		ND	U	20	"	"	"	"	8270D
Carbazole		ND	U	20	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	20	"	"	"	"	8270D
Fluoranthene		ND	U	20	"	"	"	"	8270D
Pyrene		11	C1, J	20	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	20	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	20	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	100	"	"	"	"	8270D
Chrysene		ND	U	20	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		23		20	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	20	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	20	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	20	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	20	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	20	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	20	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	20	"	"	"	"	8270D

Surrogate: 1,4-Dioxane-d8	36 %	*34-110%*	"	"	"
Surrogate: 2-Fluorophenol	55 %	*54-110%*	"	"	"
Surrogate: Phenol-d5	63 %	*29-127%*	"	"	"
Surrogate: 2-Chlorophenol-d4	71 %	*39-121%*	"	"	"
Surrogate: 1,2-Dichlorobenzene-d4	87 %	*31-110%*	"	"	"
Surrogate: Nitrobenzene-d5	108 %	*35-111%*	"	"	"
Surrogate: 2-Fluorobiphenyl	92 %	*32-115%*	"	"	"
Surrogate: 2,4,6-Tribromophenol	90 %	*37-150%*	"	"	"
Surrogate: Terphenyl-d14	71 %	*20-179%*	"	"	"

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Project Manager: Fatima Ty
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Project: AMCO August 2021 Groundwater Monitoring

California Site Cleanup Section 2
75 Hawthorne Street
San Francisco CA, 94105

WorkOrder: 2108010
Reported: 09/17/21 09:35

Sample Results

Lab ID: **2108010-18** — **Water - Sampled: 08/11/21 13:39**

Sample ID: **AMCO-X-50-S-081121**

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Dichlorodifluoromethane	RE1	ND	U	0.5	ug/L	B21H029	08/12/21	08/12/21	524.2
Chloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Vinyl chloride	RE1	ND	U	0.5	"	"	"	"	524.2
Bromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Acetone	RE1	4.1		4	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	15		2	"	"	"	"	524.2
1,1-Dichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	4	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroform	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Benzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Trichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	C3, J, U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Toluene	RE1	ND	U	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	C3, J, U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-18									**Water - Sampled: 08/11/21 13:39**
Sample ID: AMCO-X-50-S-081121									**Volatile Organic Compounds by EPA Method 524.2**
Ethylbenzene	RE1	ND	U	0.5	ug/L	B21H029	08/12/21	08/12/21	524.2
m&p-Xylene	RE1	ND	U	1	"	"	"	"	524.2
o-Xylene	RE1	ND	U	0.5	"	"	"	"	524.2
Styrene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromoform	RE1	ND	C3, J, U	0.5	"	"	"	"	524.2
Isopropylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Propylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	0.5	"	"	"	"	524.2
Naphthalene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		95 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE1*		93 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE1*		102 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		106 %	*74-113%*		"	"	"	
Sample ID: AMCO-X-50-S-081121									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		ND	U	1	"	B21H030	08/12/21	08/20/21	8270D
Phenol		ND	J, Q7, U	5	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	1	"	"	"	"	8270D
2-Chlorophenol		ND	U	5	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	1	"	"	"	"	8270D

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108010-18 — **Water - Sampled: 08/11/21 13:39**

Sample ID: AMCO-X-50-S-081121

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,4-Dichlorobenzene		ND	Q7, U	1	ug/L	B21H030	08/12/21	08/20/21	8270D
Benzyl alcohol		ND	U	5	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
2-Methylphenol		ND	U, J, Q7	5	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	1	"	"	"	"	8270D
3&4-Methylphenol		ND	J, Q7, U	5	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	1	"	"	"	"	8270D
Hexachloroethane		ND	U	1	"	"	"	"	8270D
Nitrobenzene		ND	U	1	"	"	"	"	8270D
Isophorone		ND	U	1	"	"	"	"	8270D
2-Nitrophenol		ND	U, J, Q7	5	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol		ND	J, Q7, U	5	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	1	"	"	"	"	8270D
Naphthalene		ND	U	1	"	"	"	"	8270D
4-Chloroaniline		ND	U	5	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	1	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	J, Q7, U	5	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	1	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	5	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	J, Q7, U	5	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	J, Q7, U	5	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	1	"	"	"	"	8270D
2-Nitroaniline		ND	U	5	"	"	"	"	8270D
Dimethyl phthalate		ND	U	1	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Acenaphthylene		ND	U	1	"	"	"	"	8270D
3-Nitroaniline		ND	U	5	"	"	"	"	8270D
Acenaphthene		ND	U	1	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	20	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	5	"	"	"	"	8270D
Dibenzofuran		ND	U	1	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Diethyl phthalate		0.5	C1, J	1	"	"	"	"	8270D
Fluorene		ND	U	1	"	"	"	"	8270D

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108010-18 — **Water - Sampled: 08/11/21 13:39**

Sample ID: AMCO-X-50-S-081121

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
4-Chlorophenyl phenyl ether		ND	U	1	ug/L	B21H030	08/12/21	08/20/21	8270D
4-Nitroaniline		ND	U	5	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	5	"	"	"	"	8270D
Diphenyl amine		ND	U	1	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
Hexachlorobenzene		ND	U	1	"	"	"	"	8270D
Pentachlorophenol		ND	U	20	"	"	"	"	8270D
Phenanthrene		ND	U	1	"	"	"	"	8270D
Anthracene		ND	U	1	"	"	"	"	8270D
Carbazole		ND	U	1	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	1	"	"	"	"	8270D
Fluoranthene		ND	U	1	"	"	"	"	8270D
Pyrene		ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	1	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	5	"	"	"	"	8270D
Chrysene		ND	U	1	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		0.8	C1, J	1	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	1	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	1	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	1	"	"	"	"	8270D

Surrogate: 1,4-Dioxane-d8	46 %	*34-110%*	"	"	"
Surrogate: 2-Fluorophenol	**53 %**	*54-110%*	"	"	"
Surrogate: Phenol-d5	54 %	*29-127%*	"	"	"
Surrogate: 2-Chlorophenol-d4	56 %	*39-121%*	"	"	"
Surrogate: 1,2-Dichlorobenzene-d4	54 %	*31-110%*	"	"	"
Surrogate: Nitrobenzene-d5	59 %	*35-111%*	"	"	"
Surrogate: 2-Fluorobiphenyl	59 %	*32-115%*	"	"	"
Surrogate: 2,4,6-Tribromophenol	91 %	*37-150%*	"	"	"
Surrogate: Terphenyl-d14	54 %	*20-179%*	"	"	"

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Project Manager: Fatima Ty
Project Number: R21S29
Project: AMCO August 2021 Groundwater Monitoring

California Site Cleanup Section 2
75 Hawthorne Street
San Francisco CA, 94105

WorkOrder: 2108010
Reported: 09/17/21 09:35

Sample Results

Lab ID: **2108010-19** — **Water - Sampled: 08/11/21 14:06**

Sample ID: **AMCO-X-50-I-081121**

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Dichlorodifluoromethane	RE1	ND	U	0.5	ug/L	B21H029	08/12/21	08/12/21	524.2
Chloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Vinyl chloride	RE1	ND	U	0.5	"	"	"	"	524.2
Bromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Acetone	RE1	ND	U	4	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	16		2	"	"	"	"	524.2
1,1-Dichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	4	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroform	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Benzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Trichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	C3, J, U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Toluene	RE1	ND	U	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	C3, J, U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108010-19									**Water - Sampled: 08/11/21 14:06**
Sample ID: AMCO-X-50-I-081121									**Volatile Organic Compounds by EPA Method 524.2**
1,1,1,2-Tetrachloroethane	RE1	ND	U	0.5	ug/L	B21H029	08/12/21	08/12/21	524.2
Ethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
m&p-Xylene	RE1	ND	U	1	"	"	"	"	524.2
o-Xylene	RE1	ND	U	0.5	"	"	"	"	524.2
Styrene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromoform	RE1	ND	C3, J, U	0.5	"	"	"	"	524.2
Isopropylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Propylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	0.5	"	"	"	"	524.2
Naphthalene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		94 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE1*		95 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE1*		97 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		104 %	*74-113%*		"	"	"	
Sample ID: AMCO-X-50-I-081121									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		ND	U	1	"	B21H030	08/12/21	08/20/21	8270D
Phenol		ND	Q7, U	5	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	1	"	"	"	"	8270D
2-Chlorophenol		ND	U	5	"	"	"	"	8270D

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: **2108010-19** **Water - Sampled: 08/11/21 14:06**

Sample ID: **AMCO-X-50-I-081121**

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,3-Dichlorobenzene		ND	U	1	ug/L	B21H030	08/12/21	08/20/21	8270D
1,4-Dichlorobenzene		ND	J, Q7, U	1	"	"	"	"	8270D
Benzyl alcohol		ND	U	5	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
2-Methylphenol		ND	U, J, Q7	5	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	1	"	"	"	"	8270D
3&4-Methylphenol		ND	J, Q7, U	5	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	1	"	"	"	"	8270D
Hexachloroethane		ND	U	1	"	"	"	"	8270D
Nitrobenzene		ND	U	1	"	"	"	"	8270D
Isophorone		ND	U	1	"	"	"	"	8270D
2-Nitrophenol		ND	U, J, Q7	5	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol		ND	J, Q7, U	5	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	1	"	"	"	"	8270D
Naphthalene		ND	U	1	"	"	"	"	8270D
4-Chloroaniline		ND	U	5	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	1	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	J, Q7, U	5	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	1	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	5	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	J, Q7, U	5	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	J, Q7, U	5	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	1	"	"	"	"	8270D
2-Nitroaniline		ND	U	5	"	"	"	"	8270D
Dimethyl phthalate		ND	U	1	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Acenaphthylene		ND	U	1	"	"	"	"	8270D
3-Nitroaniline		ND	U	5	"	"	"	"	8270D
Acenaphthene		ND	U	1	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	20	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	5	"	"	"	"	8270D
Dibenzofuran		ND	U	1	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Diethyl phthalate		ND	U	1	"	"	"	"	8270D

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108010-19 — **Water - Sampled: 08/11/21 14:06**

Sample ID: AMCO-X-50-I-081121

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Fluorene		ND	U	1	ug/L	B21H030	08/12/21	08/20/21	8270D
4-Chlorophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
4-Nitroaniline		ND	U	5	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	5	"	"	"	"	8270D
Diphenyl amine		ND	U	1	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
Hexachlorobenzene		ND	U	1	"	"	"	"	8270D
Pentachlorophenol		ND	U	20	"	"	"	"	8270D
Phenanthrene		ND	U	1	"	"	"	"	8270D
Anthracene		ND	U	1	"	"	"	"	8270D
Carbazole		ND	U	1	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	1	"	"	"	"	8270D
Fluoranthene		ND	U	1	"	"	"	"	8270D
Pyrene		ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	1	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	5	"	"	"	"	8270D
Chrysene		ND	U	1	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		1.0		1	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	1	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	1	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	1	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			54 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			**41 %**	*54-110%*		"	"	"	
Surrogate: Phenol-d5			47 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			53 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			57 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			64 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			67 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			90 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			64 %	*20-179%*		"	"	"	

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Region 9 Laboratory
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Dissolved Metals by EPA 200 Series Methods - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H039 - 200 Series Digest										
Blank (B21H039-BLK1)				Prepared: 08/16/21 Analyzed: 08/27/21						
Arsenic	ND	20	ug/L							U
Cobalt	ND	5.0	ug/L							U
Iron	ND	100	ug/L							U
Manganese	ND	5.0	ug/L							U
Nickel	ND	10	ug/L							U
Selenium	ND	20	ug/L							U
LCS (B21H039-BS1)				Prepared: 08/16/21 Analyzed: 08/27/21						
Iron	3350	100	ug/L	3000		112	85-115			
Manganese	222	5.0	ug/L	200		111	85-115			
Duplicate (B21H039-DUP1)		**Source: 2108010-15**		Prepared: 08/16/21 Analyzed: 08/27/21						
Iron	1740	100	ug/L		1750			0.5	20	
Manganese	855	5.0	ug/L		843			1	20	
Matrix Spike (B21H039-MS1)		**Source: 2108010-15**		Prepared: 08/16/21 Analyzed: 08/27/21						
Iron	4930	100	ug/L	3000	1750	106	70-130			
Manganese	1070	5.0	ug/L	200	843	111	70-130			
Matrix Spike Dup (B21H039-MSD1)		**Source: 2108010-15**		Prepared: 08/16/21 Analyzed: 08/27/21						
Iron	4990	100	ug/L	3000	1750	108	70-130	1	20	
Manganese	1070	5.0	ug/L	200	843	112	70-130	0.2	20	
Batch B21H040 - 200 Series Digest										
Blank (B21H040-BLK1)				Prepared: 08/16/21 Analyzed: 08/18/21						
Arsenic	0.30	0.50	ug/L							J
Cobalt	ND	0.25	ug/L							U
Manganese	ND	2.0	ug/L							U
Nickel	ND	1.0	ug/L							U
Selenium	ND	1.0	ug/L							U

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Dissolved Metals by EPA 200 Series Methods - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H040 - 200 Series Digest										
Blank (B21H040-BLK2)				Prepared: 08/16/21 Analyzed: 08/19/21						
Arsenic	0.27	0.50	ug/L							J
Cobalt	ND	0.25	ug/L							U
Manganese	ND	2.0	ug/L							U
Nickel	ND	1.0	ug/L							U
Selenium	ND	1.0	ug/L							U
LCS (B21H040-BS1)				Prepared: 08/16/21 Analyzed: 08/18/21						
Arsenic	41.1	0.50	ug/L	40.0		103	85-115			
Cobalt	39.6	0.25	ug/L	40.0		99	85-115			
Manganese	39.0	2.0	ug/L	40.0		97	85-115			
Nickel	39.7	1.0	ug/L	40.0		99	85-115			
Selenium	39.3	1.0	ug/L	40.0		98	85-115			
Matrix Spike (B21H040-MS1)	**Source: 2108010-15**			Prepared: 08/16/21 Analyzed: 08/18/21						
Arsenic	45.9	0.50	ug/L	40.0	2.77	108	70-130			
Cobalt	39.5	0.25	ug/L	40.0	0.528	97	70-130			
Nickel	44.4	1.0	ug/L	40.0	7.53	92	70-130			
Selenium	38.7	1.0	ug/L	40.0	1.61	93	70-130			
Matrix Spike Dup (B21H040-MSD1)	**Source: 2108010-15**			Prepared: 08/16/21 Analyzed: 08/18/21						
Arsenic	45.2	0.50	ug/L	40.0	2.77	106	70-130	1	20	
Cobalt	38.1	0.25	ug/L	40.0	0.528	94	70-130	4	20	
Nickel	43.2	1.0	ug/L	40.0	7.53	89	70-130	3	20	
Selenium	37.4	1.0	ug/L	40.0	1.61	89	70-130	3	20	
Batch B21I006 - 200 Series Digest										
Blank (B21I006-BLK1)				Prepared: 09/07/21 Analyzed: 09/08/21						
Arsenic	ND	0.50	ug/L							U
Cobalt	ND	0.25	ug/L							U
Manganese	ND	2.0	ug/L							U
Nickel	ND	1.0	ug/L							U
Selenium	ND	1.0	ug/L							U

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Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Dissolved Metals by EPA 200 Series Methods - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21I006 - 200 Series Digest										
LCS (B21I006-BS1)				Prepared: 09/07/21 Analyzed: 09/08/21						
Arsenic	39.7	0.50	ug/L	40.0		99	85-115			
Selenium	39.4	1.0	ug/L	40.0		98	85-115			
Matrix Spike (B21I006-MS1)		**Source: 2108019-05RE1**		Prepared: 09/07/21 Analyzed: 09/08/21						
Selenium	36.2	1.0	ug/L	40.0	2.55	84	70-130			
Matrix Spike Dup (B21I006-MSD1)		**Source: 2108019-05RE1**		Prepared: 09/07/21 Analyzed: 09/08/21						
Selenium	35.1	1.0	ug/L	40.0	2.55	82	70-130	3	20	
Batch S21H076 - B21H039										
Serial Dilution (S21H076-SRD1)		**Source: 2108010-15**		Prepared: 08/16/21 Analyzed: 08/27/21						
Iron	1830	50	ug/L		1750			4	20	
Manganese	874	50	ug/L		843			4	20	

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Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H025 - 5030 P&T VOA										
Blank (B21H025-BLK1)				Prepared & Analyzed: 08/12/21						
Dichlorodifluoromethane	ND	0.5	ug/L							U
Chloromethane	ND	0.5	ug/L							U
Vinyl chloride	ND	0.5	ug/L							U
Bromomethane	ND	0.5	ug/L							U
Chloroethane	ND	0.5	ug/L							U
Trichlorofluoromethane	ND	0.5	ug/L							U
1,1-Dichloroethene	ND	0.5	ug/L							U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.5	ug/L							U
Acetone	ND	4.0	ug/L							U
Dichloromethane	ND	0.5	ug/L							U
trans-1,2-Dichloroethene	ND	0.5	ug/L							U
tert-Butyl methyl ether (MTBE)	ND	2.0	ug/L							U
1,1-Dichloroethane	ND	0.5	ug/L							U
2,2-Dichloropropane	ND	0.5	ug/L							U
cis-1,2-Dichloroethene	ND	0.5	ug/L							U
2-Butanone (MEK)	ND	4.0	ug/L							U
Bromochloromethane	ND	0.5	ug/L							U
Chloroform	ND	0.5	ug/L							U
1,1,1-Trichloroethane	ND	0.5	ug/L							U
Carbon tetrachloride	ND	0.5	ug/L							U
1,1-Dichloropropene	ND	0.5	ug/L							U
Benzene	ND	0.5	ug/L							U
1,2-Dichloroethane	ND	0.5	ug/L							U
Trichloroethene	ND	0.5	ug/L							U
1,2-Dichloropropane	ND	0.5	ug/L							U
Dibromomethane	ND	0.5	ug/L							U
Bromodichloromethane	ND	0.5	ug/L							U
cis-1,3-Dichloropropene	ND	0.5	ug/L							U
Toluene	ND	0.5	ug/L							U
trans-1,3-Dichloropropene	ND	0.5	ug/L							U
1,1,2-Trichloroethane	ND	0.5	ug/L							U
Tetrachloroethene	ND	0.5	ug/L							U
1,3-Dichloropropane	ND	0.5	ug/L							U
Chlorodibromomethane	ND	0.5	ug/L							U
1,2-Dibromoethane (EDB)	ND	0.5	ug/L							U
Chlorobenzene	ND	0.5	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L							U
Ethylbenzene	ND	0.5	ug/L							U
m&p-Xylene	ND	1.0	ug/L							U
o-Xylene	ND	0.5	ug/L							U
Styrene	ND	0.5	ug/L							U
Bromoform	ND	0.5	ug/L							U
Isopropylbenzene	ND	0.5	ug/L							U

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EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H025 - 5030 P&T VOA										
Blank (B21H025-BLK1)				Prepared & Analyzed: 08/12/21						
Bromobenzene	ND	0.5	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L							U
1,2,3-Trichloropropane	ND	0.5	ug/L							U
Propylbenzene	ND	0.5	ug/L							U
2-Chlorotoluene	ND	0.5	ug/L							U
4-Chlorotoluene	ND	0.5	ug/L							U
1,3,5-Trimethylbenzene	ND	0.5	ug/L							U
tert-Butylbenzene	ND	0.5	ug/L							U
1,2,4-Trimethylbenzene	ND	0.5	ug/L							U
sec-Butylbenzene	ND	0.5	ug/L							U
1,3-Dichlorobenzene	ND	0.5	ug/L							U
p-Isopropyltoluene	ND	0.5	ug/L							U
1,4-Dichlorobenzene	ND	0.5	ug/L							U
1,2-Dichlorobenzene	ND	0.5	ug/L							U
Butylbenzene	ND	0.5	ug/L							U
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L							U
1,2,4-Trichlorobenzene	ND	0.5	ug/L							U
Hexachlorobutadiene	ND	0.5	ug/L							U
Naphthalene	ND	0.5	ug/L							U
1,2,3-Trichlorobenzene	ND	0.5	ug/L							U
Surrogate: 1,2-Dichloroethane-d4	*5.07*		ug/L	*5.00*		*101*	*83-116*			
Surrogate: Toluene-d8	*4.87*		ug/L	*5.00*		*97*	*81-112*			
Surrogate: 4-Bromofluorobenzene	*4.93*		ug/L	*5.00*		*99*	*80-110*			
Surrogate: 1,2-Dichlorobenzene-d4	*4.99*		ug/L	*5.00*		*100*	*74-113*			
LCS (B21H025-BS1)				Prepared & Analyzed: 08/12/21						
Dichlorodifluoromethane	6.15	0.5	ug/L	5.00		123	70-128			
Chloromethane	5.87	0.5	ug/L	5.00		117	63-123			
Vinyl chloride	6.00	0.5	ug/L	5.00		120	70-130			
Bromomethane	5.74	0.5	ug/L	5.00		115	31-150			
Chloroethane	5.94	0.5	ug/L	5.00		119	74-119			
Trichlorofluoromethane	6.20	0.5	ug/L	5.00		124	72-123			
1,1-Dichloroethene	6.05	0.5	ug/L	5.00		121	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane	6.14	0.5	ug/L	5.00		123	73-129			
Acetone	40.8	4.0	ug/L	40.0		102	61-114			
Dichloromethane	5.68	0.5	ug/L	5.00		114	70-130			
trans-1,2-Dichloroethene	6.03	0.5	ug/L	5.00		121	70-130			
tert-Butyl methyl ether (MTBE)	21.6	2.0	ug/L	20.0		108	62-117			
1,1-Dichloroethane	5.95	0.5	ug/L	5.00		119	74-115			
2,2-Dichloropropane	5.43	0.5	ug/L	5.00		109	64-144			
cis-1,2-Dichloroethene	5.09	0.5	ug/L	5.00		102	70-130			
2-Butanone (MEK)	36.0	4.0	ug/L	40.0		90	57-121			
Bromochloromethane	5.12	0.5	ug/L	5.00		102	71-122			

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Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H025 - 5030 P&T VOA										
LCS (B21H025-BS1)				Prepared & Analyzed: 08/12/21						
Chloroform	5.17	0.5	ug/L	5.00		103	70-130			
1,1,1-Trichloroethane	5.26	0.5	ug/L	5.00		105	70-130			
Carbon tetrachloride	5.33	0.5	ug/L	5.00		107	70-130			
1,1-Dichloropropene	5.15	0.5	ug/L	5.00		103	71-119			
Benzene	5.15	0.5	ug/L	5.00		103	70-130			
1,2-Dichloroethane	4.88	0.5	ug/L	5.00		98	70-130			
Trichloroethene	5.20	0.5	ug/L	5.00		104	70-130			
1,2-Dichloropropane	5.17	0.5	ug/L	5.00		103	70-130			
Dibromomethane	5.08	0.5	ug/L	5.00		102	72-121			
Bromodichloromethane	5.20	0.5	ug/L	5.00		104	70-130			
cis-1,3-Dichloropropene	5.23	0.5	ug/L	5.00		105	68-120			
Toluene	4.87	0.5	ug/L	5.00		97	70-130			
trans-1,3-Dichloropropene	5.00	0.5	ug/L	5.00		100	64-126			
1,1,2-Trichloroethane	4.82	0.5	ug/L	5.00		96	70-130			
Tetrachloroethene	5.00	0.5	ug/L	5.00		100	70-130			
1,3-Dichloropropane	4.82	0.5	ug/L	5.00		96	80-114			
Chlorodibromomethane	4.89	0.5	ug/L	5.00		98	70-130			
1,2-Dibromoethane (EDB)	4.82	0.5	ug/L	5.00		96	80-115			
Chlorobenzene	4.89	0.5	ug/L	5.00		98	70-130			
1,1,1,2-Tetrachloroethane	5.00	0.5	ug/L	5.00		100	82-116			
Ethylbenzene	4.97	0.5	ug/L	5.00		99	70-130			
m&p-Xylene	9.85	1.0	ug/L	10.0		98	70-130			
o-Xylene	4.92	0.5	ug/L	5.00		98	70-130			
Styrene	4.81	0.5	ug/L	5.00		96	70-130			
Bromoform	4.72	0.5	ug/L	5.00		94	70-130			
Isopropylbenzene	4.99	0.5	ug/L	5.00		100	86-114			
Bromobenzene	4.73	0.5	ug/L	5.00		95	84-110			
1,1,2,2-Tetrachloroethane	4.68	0.5	ug/L	5.00		94	81-113			
1,2,3-Trichloropropane	4.58	0.5	ug/L	5.00		92	81-114			
Propylbenzene	4.96	0.5	ug/L	5.00		99	87-115			
2-Chlorotoluene	4.88	0.5	ug/L	5.00		98	84-111			
4-Chlorotoluene	4.83	0.5	ug/L	5.00		97	82-112			
1,3,5-Trimethylbenzene	4.88	0.5	ug/L	5.00		98	85-113			
tert-Butylbenzene	4.90	0.5	ug/L	5.00		98	86-114			
1,2,4-Trimethylbenzene	4.86	0.5	ug/L	5.00		97	84-114			
sec-Butylbenzene	4.91	0.5	ug/L	5.00		98	87-119			
1,3-Dichlorobenzene	4.75	0.5	ug/L	5.00		95	85-110			
p-Isopropyltoluene	4.88	0.5	ug/L	5.00		98	86-117			
1,4-Dichlorobenzene	4.71	0.5	ug/L	5.00		94	70-130			
1,2-Dichlorobenzene	4.72	0.5	ug/L	5.00		94	70-130			
Butylbenzene	4.82	0.5	ug/L	5.00		96	85-118			
1,2-Dibromo-3-chloropropane	18.5	2.0	ug/L	20.0		92	54-133			
1,2,4-Trichlorobenzene	4.63	0.5	ug/L	5.00		93	70-130			

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Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H025 - 5030 P&T VOA										
LCS (B21H025-BS1)				Prepared & Analyzed: 08/12/21						
Hexachlorobutadiene	4.76	0.5	ug/L	5.00		95	66-113			
Naphthalene	4.01	0.5	ug/L	5.00		80	58-126			
1,2,3-Trichlorobenzene	4.57	0.5	ug/L	5.00		91	65-119			
Surrogate: 1,2-Dichloroethane-d4	*5.01*		ug/L	*5.00*		*100*	*83-116*			
Surrogate: Toluene-d8	*4.92*		ug/L	*5.00*		*98*	*81-112*			
Surrogate: 4-Bromofluorobenzene	*4.98*		ug/L	*5.00*		*100*	*80-110*			
Surrogate: 1,2-Dichlorobenzene-d4	*4.97*		ug/L	*5.00*		*99*	*74-113*			
Matrix Spike (B21H025-MS1)		**Source: 2108010-15RE1**		Prepared & Analyzed: 08/12/21						
Dichlorodifluoromethane	32.7	2.5	ug/L	25.0	ND	131	62-142			
Chloromethane	29.4	2.5	ug/L	25.0	ND	117	54-144			
Vinyl chloride	38.6	2.5	ug/L	25.0	7.15	126	62-141			
Bromomethane	33.5	2.5	ug/L	25.0	ND	134	32-150			
Chloroethane	33.9	2.5	ug/L	25.0	ND	136	68-136			
Trichlorofluoromethane	32.3	2.5	ug/L	25.0	ND	129	66-142			
1,1-Dichloroethene	32.2	2.5	ug/L	25.0	ND	129	73-134			
1,1,2-Trichloro-1,2,2-trifluoroethane	31.6	2.5	ug/L	25.0	ND	127	65-148			
Acetone	222	20	ug/L	200	ND	111	20-150			
Dichloromethane	31.0	2.5	ug/L	25.0	ND	124	65-126			
trans-1,2-Dichloroethene	35.0	2.5	ug/L	25.0	3.05	128	70-134			
tert-Butyl methyl ether (MTBE)	131	10	ug/L	100	ND	131	56-128			
1,1-Dichloroethane	36.8	2.5	ug/L	25.0	4.60	129	67-134			
2,2-Dichloropropane	25.6	2.5	ug/L	25.0	ND	102	41-150			
cis-1,2-Dichloroethene	27.7	2.5	ug/L	25.0	2.30	102	63-137			
2-Butanone (MEK)	150	20	ug/L	200	ND	75	48-142			
Bromochloromethane	24.6	2.5	ug/L	25.0	ND	99	70-132			
Chloroform	25.8	2.5	ug/L	25.0	ND	103	65-141			
1,1,1-Trichloroethane	26.0	2.5	ug/L	25.0	ND	104	69-116			
Carbon tetrachloride	25.8	2.5	ug/L	25.0	ND	103	65-130			
1,1-Dichloropropene	25.6	2.5	ug/L	25.0	ND	102	71-116			
Benzene	32.8	2.5	ug/L	25.0	7.25	102	77-115			
1,2-Dichloroethane	25.2	2.5	ug/L	25.0	ND	101	71-112			
Trichloroethene	25.4	2.5	ug/L	25.0	ND	101	65-124			
1,2-Dichloropropane	24.4	2.5	ug/L	25.0	ND	97	73-118			
Dibromomethane	24.7	2.5	ug/L	25.0	ND	99	65-123			
Bromodichloromethane	24.9	2.5	ug/L	25.0	ND	100	72-118			
cis-1,3-Dichloropropene	25.1	2.5	ug/L	25.0	ND	100	69-113			
Toluene	24.2	2.5	ug/L	25.0	ND	97	84-115			
trans-1,3-Dichloropropene	23.9	2.5	ug/L	25.0	ND	96	67-117			
1,1,2-Trichloroethane	23.6	2.5	ug/L	25.0	ND	94	81-115			
Tetrachloroethene	24.4	2.5	ug/L	25.0	ND	97	81-115			
1,3-Dichloropropane	24.0	2.5	ug/L	25.0	ND	96	82-113			
Chlorodibromomethane	23.8	2.5	ug/L	25.0	ND	95	82-116			

United States Environmental Protection Agency
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H025 - 5030 P&T VOA										
Matrix Spike (B21H025-MS1)		**Source: 2108010-15RE1**		Prepared & Analyzed: 08/12/21						
1,2-Dibromoethane (EDB)	23.5	2.5	ug/L	25.0	ND	94	83-115			
Chlorobenzene	25.6	2.5	ug/L	25.0	1.65	96	82-110			
1,1,1,2-Tetrachloroethane	23.8	2.5	ug/L	25.0	ND	95	77-116			
Ethylbenzene	26.0	2.5	ug/L	25.0	ND	104	85-112			
m&p-Xylene	61.8	5.0	ug/L	50.0	12.2	99	84-113			
o-Xylene	28.4	2.5	ug/L	25.0	3.40	100	82-110			
Styrene	24.1	2.5	ug/L	25.0	ND	96	25-150			
Bromoform	23.4	2.5	ug/L	25.0	ND	94	69-121			
Isopropylbenzene	30.6	2.5	ug/L	25.0	5.30	101	80-117			
Bromobenzene	23.7	2.5	ug/L	25.0	ND	95	84-110			
1,1,2,2-Tetrachloroethane	27.0	2.5	ug/L	25.0	ND	108	77-117			
1,2,3-Trichloropropane	24.2	2.5	ug/L	25.0	ND	97	78-115			
Propylbenzene	36.4	2.5	ug/L	25.0	11.6	99	83-116			
2-Chlorotoluene	24.1	2.5	ug/L	25.0	21.4	11	83-110			
4-Chlorotoluene	24.3	2.5	ug/L	25.0	ND	97	82-110			
1,3,5-Trimethylbenzene	25.8	2.5	ug/L	25.0	1.25	98	82-112			
tert-Butylbenzene	25.6	2.5	ug/L	25.0	ND	102	81-115			
1,2,4-Trimethylbenzene	84.1	2.5	ug/L	25.0	58.8	101	81-113			
sec-Butylbenzene	27.5	2.5	ug/L	25.0	2.60	100	79-122			
1,3-Dichlorobenzene	24.0	2.5	ug/L	25.0	ND	96	82-110			
p-Isopropyltoluene	39.2	2.5	ug/L	25.0	14.4	99	78-120			
1,4-Dichlorobenzene	24.9	2.5	ug/L	25.0	ND	100	81-110			
1,2-Dichlorobenzene	35.0	2.5	ug/L	25.0	10.3	99	82-110			
Butylbenzene	26.6	2.5	ug/L	25.0	2.40	97	72-122			
1,2-Dibromo-3-chloropropane	104	10	ug/L	100	ND	104	47-131			
1,2,4-Trichlorobenzene	25.8	2.5	ug/L	25.0	ND	103	62-115			
Hexachlorobutadiene	24.8	2.5	ug/L	25.0	ND	99	51-116			
Naphthalene	51.6	2.5	ug/L	25.0	22.4	117	47-137			
1,2,3-Trichlorobenzene	26.2	2.5	ug/L	25.0	ND	105	62-117			
Surrogate: 1,2-Dichloroethane-d4	*4.74*		ug/L	*5.00*		*95*	*83-116*			
Surrogate: Toluene-d8	*4.85*		ug/L	*5.00*		*97*	*81-112*			
Surrogate: 4-Bromofluorobenzene	*5.04*		ug/L	*5.00*		*101*	*80-110*			
Surrogate: 1,2-Dichlorobenzene-d4	*5.17*		ug/L	*5.00*		*103*	*74-113*			

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H025 - 5030 P&T VOA										
Matrix Spike Dup (B21H025-MSD1)		**Source: 2108010-15RE1**		Prepared & Analyzed: 08/12/21						
Dichlorodifluoromethane	38.4	2.5	ug/L	25.0	ND	154	62-142	16	21	
Chloromethane	33.2	2.5	ug/L	25.0	ND	133	54-144	12	20	
Vinyl chloride	45.5	2.5	ug/L	25.0	7.15	153	62-141	16	19	
Bromomethane	36.6	2.5	ug/L	25.0	ND	146	32-150	9	20	
Chloroethane	39.6	2.5	ug/L	25.0	ND	158	68-136	15	17	
Trichlorofluoromethane	37.0	2.5	ug/L	25.0	ND	148	66-142	14	19	
1,1-Dichloroethene	38.0	2.5	ug/L	25.0	ND	152	73-134	16	18	
1,1,2-Trichloro-1,2,2-trifluoroethane	36.7	2.5	ug/L	25.0	ND	147	65-148	15	19	
Acetone	284	20	ug/L	200	ND	142	20-150	24	31	
Dichloromethane	29.3	2.5	ug/L	25.0	ND	117	65-126	5	16	
trans-1,2-Dichloroethene	32.6	2.5	ug/L	25.0	3.05	118	70-134	7	19	
tert-Butyl methyl ether (MTBE)	139	10	ug/L	100	ND	139	56-128	6	22	
1,1-Dichloroethane	37.4	2.5	ug/L	25.0	4.60	131	67-134	2	19	
2,2-Dichloropropane	26.6	2.5	ug/L	25.0	ND	106	41-150	4	40	
cis-1,2-Dichloroethene	28.3	2.5	ug/L	25.0	2.30	104	63-137	2	46	
2-Butanone (MEK)	42.2	20	ug/L	200	ND	21	48-142	112	34	
Bromochloromethane	25.8	2.5	ug/L	25.0	ND	103	70-132	4	21	
Chloroform	25.8	2.5	ug/L	25.0	ND	103	65-141	0.2	23	
1,1,1-Trichloroethane	26.4	2.5	ug/L	25.0	ND	106	69-116	2	14	
Carbon tetrachloride	25.8	2.5	ug/L	25.0	ND	103	65-130	0	14	
1,1-Dichloropropene	25.8	2.5	ug/L	25.0	ND	103	71-116	1	15	
Benzene	33.0	2.5	ug/L	25.0	7.25	103	77-115	0.6	13	
1,2-Dichloroethane	26.4	2.5	ug/L	25.0	ND	106	71-112	4	14	
Trichloroethene	24.6	2.5	ug/L	25.0	ND	98	65-124	3	15	
1,2-Dichloropropane	22.4	2.5	ug/L	25.0	ND	90	73-118	8	14	
Dibromomethane	23.6	2.5	ug/L	25.0	ND	95	65-123	4	16	
Bromodichloromethane	24.0	2.5	ug/L	25.0	ND	96	72-118	3	16	
cis-1,3-Dichloropropene	21.6	2.5	ug/L	25.0	ND	87	69-113	15	19	
Toluene	23.5	2.5	ug/L	25.0	ND	94	84-115	3	15	
trans-1,3-Dichloropropene	24.4	2.5	ug/L	25.0	ND	98	67-117	2	19	
1,1,2-Trichloroethane	23.4	2.5	ug/L	25.0	ND	94	81-115	0.6	20	
Tetrachloroethene	23.6	2.5	ug/L	25.0	ND	94	81-115	3	14	
1,3-Dichloropropane	23.3	2.5	ug/L	25.0	ND	93	82-113	3	18	
Chlorodibromomethane	22.3	2.5	ug/L	25.0	ND	89	82-116	7	18	
1,2-Dibromoethane (EDB)	23.0	2.5	ug/L	25.0	ND	92	83-115	2	20	
Chlorobenzene	25.0	2.5	ug/L	25.0	1.65	93	82-110	3	13	
1,1,1,2-Tetrachloroethane	22.6	2.5	ug/L	25.0	ND	90	77-116	6	17	
Ethylbenzene	25.2	2.5	ug/L	25.0	ND	101	85-112	4	13	
m&p-Xylene	59.8	5.0	ug/L	50.0	12.2	95	84-113	3	13	
o-Xylene	27.8	2.5	ug/L	25.0	3.40	98	82-110	2	13	
Styrene	23.5	2.5	ug/L	25.0	ND	94	25-150	3	29	
Bromoform	22.4	2.5	ug/L	25.0	ND	90	69-121	4	17	
Isopropylbenzene	29.6	2.5	ug/L	25.0	5.30	97	80-117	3	14	

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H025 - 5030 P&T VOA										
Matrix Spike Dup (B21H025-MSD1)		**Source: 2108010-15RE1**		Prepared & Analyzed: 08/12/21						
Bromobenzene	23.4	2.5	ug/L	25.0	ND	94	84-110	1	14	
1,1,2,2-Tetrachloroethane	26.0	2.5	ug/L	25.0	ND	104	77-117	4	15	
1,2,3-Trichloropropane	23.8	2.5	ug/L	25.0	ND	95	78-115	1	13	
Propylbenzene	35.6	2.5	ug/L	25.0	11.6	96	83-116	2	12	
2-Chlorotoluene	23.7	2.5	ug/L	25.0	21.4	9	83-110	2	12	
4-Chlorotoluene	24.0	2.5	ug/L	25.0	ND	96	82-110	1	12	
1,3,5-Trimethylbenzene	25.4	2.5	ug/L	25.0	1.25	97	82-112	2	13	
tert-Butylbenzene	25.0	2.5	ug/L	25.0	ND	100	81-115	2	16	
1,2,4-Trimethylbenzene	82.4	2.5	ug/L	25.0	58.8	95	81-113	2	13	
sec-Butylbenzene	26.8	2.5	ug/L	25.0	2.60	97	79-122	2	14	
1,3-Dichlorobenzene	23.6	2.5	ug/L	25.0	ND	95	82-110	2	12	
p-Isopropyltoluene	38.2	2.5	ug/L	25.0	14.4	95	78-120	3	13	
1,4-Dichlorobenzene	24.2	2.5	ug/L	25.0	ND	97	81-110	3	11	
1,2-Dichlorobenzene	34.0	2.5	ug/L	25.0	10.3	95	82-110	3	12	
Butylbenzene	26.0	2.5	ug/L	25.0	2.40	94	72-122	2	10	
1,2-Dibromo-3-chloropropane	84.8	10	ug/L	100	ND	85	47-131	20	15	
1,2,4-Trichlorobenzene	23.2	2.5	ug/L	25.0	ND	93	62-115	11	13	
Hexachlorobutadiene	23.7	2.5	ug/L	25.0	ND	95	51-116	5	14	
Naphthalene	42.6	2.5	ug/L	25.0	22.4	81	47-137	19	16	
1,2,3-Trichlorobenzene	21.6	2.5	ug/L	25.0	ND	86	62-117	19	17	
Surrogate: 1,2-Dichloroethane-d4	*5.26*		ug/L	*5.00*		*105*	*83-116*			
Surrogate: Toluene-d8	*4.90*		ug/L	*5.00*		*98*	*81-112*			
Surrogate: 4-Bromofluorobenzene	*5.03*		ug/L	*5.00*		*101*	*80-110*			
Surrogate: 1,2-Dichlorobenzene-d4	*5.14*		ug/L	*5.00*		*103*	*74-113*			
Batch B21H028 - 5030 P&T VOA										
Blank (B21H028-BLK1)				Prepared & Analyzed: 08/12/21						
Dichlorodifluoromethane	ND	0.5	ug/L							C3, J, U
Chloromethane	ND	0.5	ug/L							U
Vinyl chloride	ND	0.5	ug/L							U
Bromomethane	ND	0.5	ug/L							U
Chloroethane	ND	0.5	ug/L							U
Trichlorofluoromethane	ND	0.5	ug/L							U
1,1-Dichloroethene	ND	0.5	ug/L							U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.5	ug/L							U
Acetone	ND	4.0	ug/L							C3, J, U
Dichloromethane	ND	0.5	ug/L							U
trans-1,2-Dichloroethene	ND	0.5	ug/L							U
tert-Butyl methyl ether (MTBE)	ND	2.0	ug/L							U
1,1-Dichloroethane	ND	0.5	ug/L							U
2,2-Dichloropropane	ND	0.5	ug/L							U
cis-1,2-Dichloroethene	ND	0.5	ug/L							U

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H028 - 5030 P&T VOA										
Blank (B21H028-BLK1)				Prepared & Analyzed: 08/12/21						
2-Butanone (MEK)	ND	4.0	ug/L							U
Bromochloromethane	ND	0.5	ug/L							U
Chloroform	ND	0.5	ug/L							U
1,1,1-Trichloroethane	ND	0.5	ug/L							U
Carbon tetrachloride	ND	0.5	ug/L							U
1,1-Dichloropropene	ND	0.5	ug/L							U
Benzene	ND	0.5	ug/L							U
1,2-Dichloroethane	ND	0.5	ug/L							U
Trichloroethene	ND	0.5	ug/L							U
1,2-Dichloropropane	ND	0.5	ug/L							U
Dibromomethane	ND	0.5	ug/L							U
Bromodichloromethane	ND	0.5	ug/L							U
cis-1,3-Dichloropropene	ND	0.5	ug/L							U
Toluene	ND	0.5	ug/L							U
trans-1,3-Dichloropropene	ND	0.5	ug/L							U
1,1,2-Trichloroethane	ND	0.5	ug/L							U
Tetrachloroethene	ND	0.5	ug/L							U
1,3-Dichloropropane	ND	0.5	ug/L							U
Chlorodibromomethane	ND	0.5	ug/L							U
1,2-Dibromoethane (EDB)	ND	0.5	ug/L							U
Chlorobenzene	ND	0.5	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L							U
Ethylbenzene	ND	0.5	ug/L							U
m&p-Xylene	ND	1.0	ug/L							U
o-Xylene	ND	0.5	ug/L							U
Styrene	ND	0.5	ug/L							U
Bromoform	ND	0.5	ug/L							U
Isopropylbenzene	ND	0.5	ug/L							U
Bromobenzene	ND	0.5	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L							U
1,2,3-Trichloropropane	ND	0.5	ug/L							U
Propylbenzene	ND	0.5	ug/L							U
2-Chlorotoluene	ND	0.5	ug/L							U
4-Chlorotoluene	ND	0.5	ug/L							U
1,3,5-Trimethylbenzene	ND	0.5	ug/L							U
tert-Butylbenzene	ND	0.5	ug/L							U
1,2,4-Trimethylbenzene	ND	0.5	ug/L							U
sec-Butylbenzene	ND	0.5	ug/L							U
1,3-Dichlorobenzene	ND	0.5	ug/L							U
p-Isopropyltoluene	ND	0.5	ug/L							U
1,4-Dichlorobenzene	ND	0.5	ug/L							U
1,2-Dichlorobenzene	ND	0.5	ug/L							U
Butylbenzene	ND	0.5	ug/L							U

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Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H028 - 5030 P&T VOA										
Blank (B21H028-BLK1)				Prepared & Analyzed: 08/12/21						
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L							U
1,2,4-Trichlorobenzene	ND	0.5	ug/L							U
Hexachlorobutadiene	ND	0.5	ug/L							U
Naphthalene	ND	0.5	ug/L							U
1,2,3-Trichlorobenzene	ND	0.5	ug/L							U
Surrogate: 1,2-Dichloroethane-d4	*5.53*		ug/L	*5.00*		*111*	*83-116*			
Surrogate: Toluene-d8	*4.99*		ug/L	*5.00*		*100*	*81-112*			
Surrogate: 4-Bromofluorobenzene	*5.08*		ug/L	*5.00*		*102*	*80-110*			
Surrogate: 1,2-Dichlorobenzene-d4	*5.10*		ug/L	*5.00*		*102*	*74-113*			
LCS (B21H028-BS1)				Prepared & Analyzed: 08/12/21						
Dichlorodifluoromethane	6.22	0.5	ug/L	5.00		124	70-128			
Chloromethane	5.64	0.5	ug/L	5.00		113	63-123			
Vinyl chloride	5.50	0.5	ug/L	5.00		110	70-130			
Bromomethane	4.28	0.5	ug/L	5.00		86	31-150			
Chloroethane	5.17	0.5	ug/L	5.00		103	74-119			
Trichlorofluoromethane	5.77	0.5	ug/L	5.00		115	72-123			
1,1-Dichloroethene	5.32	0.5	ug/L	5.00		106	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane	5.86	0.5	ug/L	5.00		117	73-129			
Acetone	32.5	4.0	ug/L	40.0		81	61-114			
Dichloromethane	4.62	0.5	ug/L	5.00		92	70-130			
trans-1,2-Dichloroethene	5.08	0.5	ug/L	5.00		102	70-130			
tert-Butyl methyl ether (MTBE)	19.1	2.0	ug/L	20.0		96	62-117			
1,1-Dichloroethane	4.96	0.5	ug/L	5.00		99	74-115			
2,2-Dichloropropane	5.41	0.5	ug/L	5.00		108	64-144			
cis-1,2-Dichloroethene	4.92	0.5	ug/L	5.00		98	70-130			
2-Butanone (MEK)	39.3	4.0	ug/L	40.0		98	57-121			
Bromochloromethane	4.81	0.5	ug/L	5.00		96	71-122			
Chloroform	4.95	0.5	ug/L	5.00		99	70-130			
1,1,1-Trichloroethane	5.35	0.5	ug/L	5.00		107	70-130			
Carbon tetrachloride	5.58	0.5	ug/L	5.00		112	70-130			
1,1-Dichloropropene	5.47	0.5	ug/L	5.00		109	71-119			
Benzene	5.06	0.5	ug/L	5.00		101	70-130			
1,2-Dichloroethane	4.86	0.5	ug/L	5.00		97	70-130			
Trichloroethene	5.15	0.5	ug/L	5.00		103	70-130			
1,2-Dichloropropane	5.17	0.5	ug/L	5.00		103	70-130			
Dibromomethane	4.98	0.5	ug/L	5.00		100	72-121			
Bromodichloromethane	5.01	0.5	ug/L	5.00		100	70-130			
cis-1,3-Dichloropropene	5.13	0.5	ug/L	5.00		103	68-120			
Toluene	5.32	0.5	ug/L	5.00		106	70-130			
trans-1,3-Dichloropropene	5.29	0.5	ug/L	5.00		106	64-126			
1,1,2-Trichloroethane	5.32	0.5	ug/L	5.00		106	70-130			
Tetrachloroethene	5.64	0.5	ug/L	5.00		113	70-130			

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H028 - 5030 P&T VOA										
LCS (B21H028-BS1)				Prepared & Analyzed: 08/12/21						
1,3-Dichloropropane	5.28	0.5	ug/L	5.00		106	80-114			
Chlorodibromomethane	5.33	0.5	ug/L	5.00		107	70-130			
1,2-Dibromoethane (EDB)	5.16	0.5	ug/L	5.00		103	80-115			
Chlorobenzene	5.17	0.5	ug/L	5.00		103	70-130			
1,1,1,2-Tetrachloroethane	5.42	0.5	ug/L	5.00		108	82-116			
Ethylbenzene	5.34	0.5	ug/L	5.00		107	70-130			
m&p-Xylene	10.6	1.0	ug/L	10.0		106	70-130			
o-Xylene	5.20	0.5	ug/L	5.00		104	70-130			
Styrene	5.25	0.5	ug/L	5.00		105	70-130			
Bromoform	5.53	0.5	ug/L	5.00		111	70-130			
Isopropylbenzene	5.38	0.5	ug/L	5.00		108	86-114			
Bromobenzene	5.06	0.5	ug/L	5.00		101	84-110			
1,1,2,2-Tetrachloroethane	5.21	0.5	ug/L	5.00		104	81-113			
1,2,3-Trichloropropane	5.07	0.5	ug/L	5.00		101	81-114			
Propylbenzene	5.41	0.5	ug/L	5.00		108	87-115			
2-Chlorotoluene	5.17	0.5	ug/L	5.00		103	84-111			
4-Chlorotoluene	5.24	0.5	ug/L	5.00		105	82-112			
1,3,5-Trimethylbenzene	5.29	0.5	ug/L	5.00		106	85-113			
tert-Butylbenzene	5.40	0.5	ug/L	5.00		108	86-114			
1,2,4-Trimethylbenzene	5.27	0.5	ug/L	5.00		105	84-114			
sec-Butylbenzene	5.52	0.5	ug/L	5.00		110	87-119			
1,3-Dichlorobenzene	5.11	0.5	ug/L	5.00		102	85-110			
p-Isopropyltoluene	5.45	0.5	ug/L	5.00		109	86-117			
1,4-Dichlorobenzene	4.98	0.5	ug/L	5.00		100	70-130			
1,2-Dichlorobenzene	5.07	0.5	ug/L	5.00		101	70-130			
Butylbenzene	5.53	0.5	ug/L	5.00		111	85-118			
1,2-Dibromo-3-chloropropane	20.2	2.0	ug/L	20.0		101	54-133			
1,2,4-Trichlorobenzene	5.11	0.5	ug/L	5.00		102	70-130			
Hexachlorobutadiene	5.58	0.5	ug/L	5.00		112	66-113			
Naphthalene	5.05	0.5	ug/L	5.00		101	58-126			
1,2,3-Trichlorobenzene	4.98	0.5	ug/L	5.00		100	65-119			
Surrogate: 1,2-Dichloroethane-d4	*5.02*		ug/L	*5.00*		*100*	*83-116*			
Surrogate: Toluene-d8	*5.17*		ug/L	*5.00*		*103*	*81-112*			
Surrogate: 4-Bromofluorobenzene	*4.93*		ug/L	*5.00*		*99*	*80-110*			
Surrogate: 1,2-Dichlorobenzene-d4	*5.05*		ug/L	*5.00*		*101*	*74-113*			

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H029 - 5030 P&T VOA										
Blank (B21H029-BLK1)				Prepared & Analyzed: 08/12/21						
Dichlorodifluoromethane	ND	0.5	ug/L							U
Chloromethane	ND	0.5	ug/L							U
Vinyl chloride	ND	0.5	ug/L							U
Bromomethane	ND	0.5	ug/L							U
Chloroethane	ND	0.5	ug/L							U
Trichlorofluoromethane	ND	0.5	ug/L							U
1,1-Dichloroethene	ND	0.5	ug/L							U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.5	ug/L							U
Acetone	ND	4.0	ug/L							U
Dichloromethane	ND	0.5	ug/L							U
trans-1,2-Dichloroethene	ND	0.5	ug/L							U
tert-Butyl methyl ether (MTBE)	ND	2.0	ug/L							U
1,1-Dichloroethane	ND	0.5	ug/L							U
2,2-Dichloropropane	ND	0.5	ug/L							U
cis-1,2-Dichloroethene	ND	0.5	ug/L							U
2-Butanone (MEK)	ND	4.0	ug/L							U
Bromochloromethane	ND	0.5	ug/L							U
Chloroform	ND	0.5	ug/L							U
1,1,1-Trichloroethane	ND	0.5	ug/L							U
Carbon tetrachloride	ND	0.5	ug/L							U
1,1-Dichloropropene	ND	0.5	ug/L							U
Benzene	ND	0.5	ug/L							U
1,2-Dichloroethane	ND	0.5	ug/L							U
Trichloroethene	ND	0.5	ug/L							U
1,2-Dichloropropane	ND	0.5	ug/L							U
Dibromomethane	ND	0.5	ug/L							U
Bromodichloromethane	ND	0.5	ug/L							C3, J, U
cis-1,3-Dichloropropene	ND	0.5	ug/L							U
Toluene	ND	0.5	ug/L							U
trans-1,3-Dichloropropene	ND	0.5	ug/L							C3, J, U
1,1,2-Trichloroethane	ND	0.5	ug/L							U
Tetrachloroethene	ND	0.5	ug/L							U
1,3-Dichloropropane	ND	0.5	ug/L							U
Chlorodibromomethane	ND	0.5	ug/L							U
1,2-Dibromoethane (EDB)	ND	0.5	ug/L							U
Chlorobenzene	ND	0.5	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L							U
Ethylbenzene	ND	0.5	ug/L							U
m&p-Xylene	ND	1.0	ug/L							U
o-Xylene	ND	0.5	ug/L							U
Styrene	ND	0.5	ug/L							U
Bromoform	ND	0.5	ug/L							C3, J, U
Isopropylbenzene	ND	0.5	ug/L							U

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Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H029 - 5030 P&T VOA										
Blank (B21H029-BLK1)				Prepared & Analyzed: 08/12/21						
Bromobenzene	ND	0.5	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L							U
1,2,3-Trichloropropane	ND	0.5	ug/L							U
Propylbenzene	ND	0.5	ug/L							U
2-Chlorotoluene	ND	0.5	ug/L							U
4-Chlorotoluene	ND	0.5	ug/L							U
1,3,5-Trimethylbenzene	ND	0.5	ug/L							U
tert-Butylbenzene	ND	0.5	ug/L							U
1,2,4-Trimethylbenzene	ND	0.5	ug/L							U
sec-Butylbenzene	ND	0.5	ug/L							U
1,3-Dichlorobenzene	ND	0.5	ug/L							U
p-Isopropyltoluene	ND	0.5	ug/L							U
1,4-Dichlorobenzene	ND	0.5	ug/L							U
1,2-Dichlorobenzene	ND	0.5	ug/L							U
Butylbenzene	ND	0.5	ug/L							U
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L							U
1,2,4-Trichlorobenzene	ND	0.5	ug/L							U
Hexachlorobutadiene	ND	0.5	ug/L							U
Naphthalene	ND	0.5	ug/L							U
1,2,3-Trichlorobenzene	ND	0.5	ug/L							U
Surrogate: 1,2-Dichloroethane-d4	*5.22*		ug/L	*5.00*		*104*	*83-116*			
Surrogate: Toluene-d8	*4.83*		ug/L	*5.00*		*97*	*81-112*			
Surrogate: 4-Bromofluorobenzene	*4.52*		ug/L	*5.00*		*90*	*80-110*			
Surrogate: 1,2-Dichlorobenzene-d4	*4.67*		ug/L	*5.00*		*93*	*74-113*			
LCS (B21H029-BS1)				Prepared & Analyzed: 08/12/21						
Dichlorodifluoromethane	5.01	0.5	ug/L	5.00		100	70-128			
Chloromethane	5.22	0.5	ug/L	5.00		104	63-123			
Vinyl chloride	5.15	0.5	ug/L	5.00		103	70-130			
Bromomethane	4.78	0.5	ug/L	5.00		96	31-150			
Chloroethane	5.01	0.5	ug/L	5.00		100	74-119			
Trichlorofluoromethane	4.95	0.5	ug/L	5.00		99	72-123			
1,1-Dichloroethene	5.02	0.5	ug/L	5.00		100	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane	4.92	0.5	ug/L	5.00		98	73-129			
Acetone	40.4	4.0	ug/L	40.0		101	61-114			
Dichloromethane	5.07	0.5	ug/L	5.00		101	70-130			
trans-1,2-Dichloroethene	4.97	0.5	ug/L	5.00		99	70-130			
tert-Butyl methyl ether (MTBE)	20.0	2.0	ug/L	20.0		100	62-117			
1,1-Dichloroethane	5.03	0.5	ug/L	5.00		101	74-115			
2,2-Dichloropropane	5.04	0.5	ug/L	5.00		101	64-144			
cis-1,2-Dichloroethene	4.97	0.5	ug/L	5.00		99	70-130			
2-Butanone (MEK)	42.6	4.0	ug/L	40.0		106	57-121			
Bromochloromethane	4.97	0.5	ug/L	5.00		99	71-122			

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H029 - 5030 P&T VOA										
LCS (B21H029-BS1)				Prepared & Analyzed: 08/12/21						
Chloroform	5.02	0.5	ug/L	5.00		100	70-130			
1,1,1-Trichloroethane	5.10	0.5	ug/L	5.00		102	70-130			
Carbon tetrachloride	5.08	0.5	ug/L	5.00		102	70-130			
1,1-Dichloropropene	4.96	0.5	ug/L	5.00		99	71-119			
Benzene	5.07	0.5	ug/L	5.00		101	70-130			
1,2-Dichloroethane	5.05	0.5	ug/L	5.00		101	70-130			
Trichloroethene	5.08	0.5	ug/L	5.00		102	70-130			
1,2-Dichloropropane	5.05	0.5	ug/L	5.00		101	70-130			
Dibromomethane	5.04	0.5	ug/L	5.00		101	72-121			
Bromodichloromethane	6.24	0.5	ug/L	5.00		125	70-130			
cis-1,3-Dichloropropene	5.16	0.5	ug/L	5.00		103	68-120			
Toluene	5.23	0.5	ug/L	5.00		105	70-130			
trans-1,3-Dichloropropene	5.41	0.5	ug/L	5.00		108	64-126			
1,1,2-Trichloroethane	5.29	0.5	ug/L	5.00		106	70-130			
Tetrachloroethene	5.13	0.5	ug/L	5.00		103	70-130			
1,3-Dichloropropane	5.22	0.5	ug/L	5.00		104	80-114			
Chlorodibromomethane	5.38	0.5	ug/L	5.00		108	70-130			
1,2-Dibromoethane (EDB)	5.26	0.5	ug/L	5.00		105	80-115			
Chlorobenzene	5.05	0.5	ug/L	5.00		101	70-130			
1,1,1,2-Tetrachloroethane	5.24	0.5	ug/L	5.00		105	82-116			
Ethylbenzene	5.27	0.5	ug/L	5.00		105	70-130			
m&p-Xylene	10.6	1.0	ug/L	10.0		106	70-130			
o-Xylene	5.32	0.5	ug/L	5.00		106	70-130			
Styrene	5.27	0.5	ug/L	5.00		105	70-130			
Bromoform	5.22	0.5	ug/L	5.00		104	70-130			
Isopropylbenzene	5.31	0.5	ug/L	5.00		106	86-114			
Bromobenzene	5.05	0.5	ug/L	5.00		101	84-110			
1,1,2,2-Tetrachloroethane	5.35	0.5	ug/L	5.00		107	81-113			
1,2,3-Trichloropropane	5.30	0.5	ug/L	5.00		106	81-114			
Propylbenzene	5.35	0.5	ug/L	5.00		107	87-115			
2-Chlorotoluene	5.24	0.5	ug/L	5.00		105	84-111			
4-Chlorotoluene	5.27	0.5	ug/L	5.00		105	82-112			
1,3,5-Trimethylbenzene	5.29	0.5	ug/L	5.00		106	85-113			
tert-Butylbenzene	5.28	0.5	ug/L	5.00		106	86-114			
1,2,4-Trimethylbenzene	5.24	0.5	ug/L	5.00		105	84-114			
sec-Butylbenzene	5.34	0.5	ug/L	5.00		107	87-119			
1,3-Dichlorobenzene	5.13	0.5	ug/L	5.00		103	85-110			
p-Isopropyltoluene	5.30	0.5	ug/L	5.00		106	86-117			
1,4-Dichlorobenzene	5.05	0.5	ug/L	5.00		101	70-130			
1,2-Dichlorobenzene	5.11	0.5	ug/L	5.00		102	70-130			
Butylbenzene	5.34	0.5	ug/L	5.00		107	85-118			
1,2-Dibromo-3-chloropropane	21.3	2.0	ug/L	20.0		107	54-133			
1,2,4-Trichlorobenzene	4.98	0.5	ug/L	5.00		100	70-130			

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H029 - 5030 P&T VOA										
LCS (B21H029-BS1)				Prepared & Analyzed: 08/12/21						
Hexachlorobutadiene	4.64	0.5	ug/L	5.00		93	66-113			
Naphthalene	5.37	0.5	ug/L	5.00		107	58-126			
1,2,3-Trichlorobenzene	4.97	0.5	ug/L	5.00		99	65-119			
Surrogate: 1,2-Dichloroethane-d4	*4.98*		ug/L	*5.00*		*100*	*83-116*			
Surrogate: Toluene-d8	*5.13*		ug/L	*5.00*		*103*	*81-112*			
Surrogate: 4-Bromofluorobenzene	*4.92*		ug/L	*5.00*		*98*	*80-110*			
Surrogate: 1,2-Dichlorobenzene-d4	*5.10*		ug/L	*5.00*		*102*	*74-113*			
Batch B21H036 - 5030 P&T VOA										
Blank (B21H036-BLK1)				Prepared & Analyzed: 08/13/21						
Dichlorodifluoromethane	ND	0.5	ug/L							U
Chloromethane	ND	0.5	ug/L							U
Vinyl chloride	ND	0.5	ug/L							U
Bromomethane	ND	0.5	ug/L							U
Chloroethane	ND	0.5	ug/L							U
Trichlorofluoromethane	ND	0.5	ug/L							U
1,1-Dichloroethene	ND	0.5	ug/L							U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.5	ug/L							U
Acetone	ND	4.0	ug/L							U
Dichloromethane	ND	0.5	ug/L							U
trans-1,2-Dichloroethene	ND	0.5	ug/L							U
tert-Butyl methyl ether (MTBE)	ND	2.0	ug/L							U
1,1-Dichloroethane	ND	0.5	ug/L							U
2,2-Dichloropropane	ND	0.5	ug/L							U
cis-1,2-Dichloroethene	ND	0.5	ug/L							U
2-Butanone (MEK)	ND	4.0	ug/L							U
Bromochloromethane	ND	0.5	ug/L							U
Chloroform	ND	0.5	ug/L							U
1,1,1-Trichloroethane	ND	0.5	ug/L							U
Carbon tetrachloride	ND	0.5	ug/L							U
1,1-Dichloropropene	ND	0.5	ug/L							U
Benzene	ND	0.5	ug/L							U
1,2-Dichloroethane	ND	0.5	ug/L							U
Trichloroethene	ND	0.5	ug/L							U
1,2-Dichloropropane	ND	0.5	ug/L							U
Dibromomethane	ND	0.5	ug/L							U
Bromodichloromethane	ND	0.5	ug/L							U
cis-1,3-Dichloropropene	ND	0.5	ug/L							U
Toluene	ND	0.5	ug/L							U
trans-1,3-Dichloropropene	ND	0.5	ug/L							U
1,1,2-Trichloroethane	ND	0.5	ug/L							U
Tetrachloroethene	ND	0.5	ug/L							U

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H036 - 5030 P&T VOA										
Blank (B21H036-BLK1)				Prepared & Analyzed: 08/13/21						
1,3-Dichloropropane	ND	0.5	ug/L							U
Chlorodibromomethane	ND	0.5	ug/L							U
1,2-Dibromoethane (EDB)	ND	0.5	ug/L							U
Chlorobenzene	ND	0.5	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L							U
Ethylbenzene	ND	0.5	ug/L							U
m&p-Xylene	ND	1.0	ug/L							U
o-Xylene	ND	0.5	ug/L							U
Styrene	ND	0.5	ug/L							U
Bromoform	ND	0.5	ug/L							U
Isopropylbenzene	ND	0.5	ug/L							U
Bromobenzene	ND	0.5	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L							U
1,2,3-Trichloropropane	ND	0.5	ug/L							U
Propylbenzene	ND	0.5	ug/L							U
2-Chlorotoluene	ND	0.5	ug/L							U
4-Chlorotoluene	ND	0.5	ug/L							U
1,3,5-Trimethylbenzene	ND	0.5	ug/L							U
tert-Butylbenzene	ND	0.5	ug/L							U
1,2,4-Trimethylbenzene	ND	0.5	ug/L							U
sec-Butylbenzene	ND	0.5	ug/L							U
1,3-Dichlorobenzene	ND	0.5	ug/L							U
p-Isopropyltoluene	ND	0.5	ug/L							U
1,4-Dichlorobenzene	ND	0.5	ug/L							U
1,2-Dichlorobenzene	ND	0.5	ug/L							U
Butylbenzene	ND	0.5	ug/L							U
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L							U
1,2,4-Trichlorobenzene	ND	0.5	ug/L							U
Hexachlorobutadiene	ND	0.5	ug/L							U
Naphthalene	ND	0.5	ug/L							U
1,2,3-Trichlorobenzene	ND	0.5	ug/L							U
Surrogate: 1,2-Dichloroethane-d4	*5.00*		ug/L	*5.00*		*100*	*83-116*			
Surrogate: Toluene-d8	*5.04*		ug/L	*5.00*		*101*	*81-112*			
Surrogate: 4-Bromofluorobenzene	*4.85*		ug/L	*5.00*		*97*	*80-110*			
Surrogate: 1,2-Dichlorobenzene-d4	*4.69*		ug/L	*5.00*		*94*	*74-113*			

United States Environmental Protection Agency
Region 9 Laboratory
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Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H036 - 5030 P&T VOA										
LCS (B21H036-BS1)				Prepared & Analyzed: 08/13/21						
Dichlorodifluoromethane	4.71	0.5	ug/L	5.00		94	70-128			
Chloromethane	4.08	0.5	ug/L	5.00		82	63-123			
Vinyl chloride	4.50	0.5	ug/L	5.00		90	70-130			
Bromomethane	4.40	0.5	ug/L	5.00		88	31-150			
Chloroethane	4.58	0.5	ug/L	5.00		92	74-119			
Trichlorofluoromethane	4.78	0.5	ug/L	5.00		96	72-123			
1,1-Dichloroethene	4.62	0.5	ug/L	5.00		92	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane	4.61	0.5	ug/L	5.00		92	73-129			
Acetone	32.4	4.0	ug/L	40.0		81	61-114			
Dichloromethane	4.50	0.5	ug/L	5.00		90	70-130			
trans-1,2-Dichloroethene	4.53	0.5	ug/L	5.00		91	70-130			
tert-Butyl methyl ether (MTBE)	17.3	2.0	ug/L	20.0		87	62-117			
1,1-Dichloroethane	4.53	0.5	ug/L	5.00		91	74-115			
2,2-Dichloropropane	5.17	0.5	ug/L	5.00		103	64-144			
cis-1,2-Dichloroethene	4.78	0.5	ug/L	5.00		96	70-130			
2-Butanone (MEK)	35.2	4.0	ug/L	40.0		88	57-121			
Bromochloromethane	4.70	0.5	ug/L	5.00		94	71-122			
Chloroform	4.84	0.5	ug/L	5.00		97	70-130			
1,1,1-Trichloroethane	4.97	0.5	ug/L	5.00		99	70-130			
Carbon tetrachloride	4.95	0.5	ug/L	5.00		99	70-130			
1,1-Dichloropropene	4.69	0.5	ug/L	5.00		94	71-119			
Benzene	4.75	0.5	ug/L	5.00		95	70-130			
1,2-Dichloroethane	4.58	0.5	ug/L	5.00		92	70-130			
Trichloroethene	4.79	0.5	ug/L	5.00		96	70-130			
1,2-Dichloropropane	4.75	0.5	ug/L	5.00		95	70-130			
Dibromomethane	4.70	0.5	ug/L	5.00		94	72-121			
Bromodichloromethane	4.79	0.5	ug/L	5.00		96	70-130			
cis-1,3-Dichloropropene	4.81	0.5	ug/L	5.00		96	68-120			
Toluene	4.82	0.5	ug/L	5.00		96	70-130			
trans-1,3-Dichloropropene	4.90	0.5	ug/L	5.00		98	64-126			
1,1,2-Trichloroethane	4.85	0.5	ug/L	5.00		97	70-130			
Tetrachloroethene	4.91	0.5	ug/L	5.00		98	70-130			
1,3-Dichloropropane	4.84	0.5	ug/L	5.00		97	80-114			
Chlorodibromomethane	4.98	0.5	ug/L	5.00		100	70-130			
1,2-Dibromoethane (EDB)	4.91	0.5	ug/L	5.00		98	80-115			
Chlorobenzene	4.88	0.5	ug/L	5.00		98	70-130			
1,1,1,2-Tetrachloroethane	4.94	0.5	ug/L	5.00		99	82-116			
Ethylbenzene	5.00	0.5	ug/L	5.00		100	70-130			
m&p-Xylene	9.88	1.0	ug/L	10.0		99	70-130			
o-Xylene	4.92	0.5	ug/L	5.00		98	70-130			
Styrene	4.83	0.5	ug/L	5.00		97	70-130			
Bromoform	4.85	0.5	ug/L	5.00		97	70-130			
Isopropylbenzene	4.97	0.5	ug/L	5.00		99	86-114			

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H036 - 5030 P&T VOA										
LCS (B21H036-BS1)				Prepared & Analyzed: 08/13/21						
Bromobenzene	4.83	0.5	ug/L	5.00		97	84-110			
1,1,2,2-Tetrachloroethane	4.94	0.5	ug/L	5.00		99	81-113			
1,2,3-Trichloropropane	4.76	0.5	ug/L	5.00		95	81-114			
Propylbenzene	5.03	0.5	ug/L	5.00		101	87-115			
2-Chlorotoluene	4.90	0.5	ug/L	5.00		98	84-111			
4-Chlorotoluene	4.90	0.5	ug/L	5.00		98	82-112			
1,3,5-Trimethylbenzene	4.89	0.5	ug/L	5.00		98	85-113			
tert-Butylbenzene	4.88	0.5	ug/L	5.00		98	86-114			
1,2,4-Trimethylbenzene	4.89	0.5	ug/L	5.00		98	84-114			
sec-Butylbenzene	4.88	0.5	ug/L	5.00		98	87-119			
1,3-Dichlorobenzene	4.76	0.5	ug/L	5.00		95	85-110			
p-Isopropyltoluene	4.80	0.5	ug/L	5.00		96	86-117			
1,4-Dichlorobenzene	4.77	0.5	ug/L	5.00		95	70-130			
1,2-Dichlorobenzene	4.76	0.5	ug/L	5.00		95	70-130			
Butylbenzene	4.81	0.5	ug/L	5.00		96	85-118			
1,2-Dibromo-3-chloropropane	19.0	2.0	ug/L	20.0		95	54-133			
1,2,4-Trichlorobenzene	4.59	0.5	ug/L	5.00		92	70-130			
Hexachlorobutadiene	4.72	0.5	ug/L	5.00		94	66-113			
Naphthalene	4.29	0.5	ug/L	5.00		86	58-126			
1,2,3-Trichlorobenzene	4.62	0.5	ug/L	5.00		92	65-119			
Surrogate: 1,2-Dichloroethane-d4	*5.00*		ug/L	*5.00*		*100*	*83-116*			
Surrogate: Toluene-d8	*5.02*		ug/L	*5.00*		*100*	*81-112*			
Surrogate: 4-Bromofluorobenzene	*4.95*		ug/L	*5.00*		*99*	*80-110*			
Surrogate: 1,2-Dichlorobenzene-d4	*4.83*		ug/L	*5.00*		*97*	*74-113*			
Matrix Spike (B21H036-MS1)		**Source: 2108016-20RE1**		Prepared & Analyzed: 08/13/21						
Dichlorodifluoromethane	5.63	0.5	ug/L	5.00	ND	113	62-142			
Chloromethane	5.27	0.5	ug/L	5.00	ND	105	54-144			
Vinyl chloride	5.49	0.5	ug/L	5.00	ND	110	62-141			
Bromomethane	5.39	0.5	ug/L	5.00	ND	108	32-150			
Chloroethane	5.55	0.5	ug/L	5.00	ND	111	68-136			
Trichlorofluoromethane	5.78	0.5	ug/L	5.00	ND	116	66-142			
1,1-Dichloroethene	5.54	0.5	ug/L	5.00	ND	111	73-134			
1,1,2-Trichloro-1,2,2-trifluoroethane	5.58	0.5	ug/L	5.00	ND	112	65-148			
Acetone	40.3	4.0	ug/L	40.0	5.48	87	20-150			
Dichloromethane	5.18	0.5	ug/L	5.00	ND	104	65-126			
trans-1,2-Dichloroethene	5.52	0.5	ug/L	5.00	ND	110	70-134			
tert-Butyl methyl ether (MTBE)	20.3	2.0	ug/L	20.0	ND	102	56-128			
1,1-Dichloroethane	5.40	0.5	ug/L	5.00	ND	108	67-134			
2,2-Dichloropropane	6.08	0.5	ug/L	5.00	ND	122	41-150			
cis-1,2-Dichloroethene	5.47	0.5	ug/L	5.00	ND	109	63-137			
2-Butanone (MEK)	37.9	4.0	ug/L	40.0	ND	95	48-142			
Bromochloromethane	5.23	0.5	ug/L	5.00	ND	105	70-132			

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Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H036 - 5030 P&T VOA										
Matrix Spike (B21H036-MS1)		**Source: 2108016-20RE1**		Prepared & Analyzed: 08/13/21						
Chloroform	5.73	0.5	ug/L	5.00	ND	115	65-141			
1,1,1-Trichloroethane	5.74	0.5	ug/L	5.00	ND	115	69-116			
Carbon tetrachloride	5.71	0.5	ug/L	5.00	ND	114	65-130			
1,1-Dichloropropene	5.54	0.5	ug/L	5.00	ND	111	71-116			
Benzene	5.50	0.5	ug/L	5.00	ND	110	77-115			
1,2-Dichloroethane	5.28	0.5	ug/L	5.00	ND	106	71-112			
Trichloroethene	5.44	0.5	ug/L	5.00	ND	109	65-124			
1,2-Dichloropropane	5.39	0.5	ug/L	5.00	ND	108	73-118			
Dibromomethane	5.19	0.5	ug/L	5.00	ND	104	65-123			
Bromodichloromethane	5.33	0.5	ug/L	5.00	ND	107	72-118			
cis-1,3-Dichloropropene	5.38	0.5	ug/L	5.00	ND	108	69-113			
Toluene	5.93	0.5	ug/L	5.00	ND	119	84-115			
trans-1,3-Dichloropropene	5.58	0.5	ug/L	5.00	ND	112	67-117			
1,1,2-Trichloroethane	5.47	0.5	ug/L	5.00	ND	109	81-115			
Tetrachloroethene	5.88	0.5	ug/L	5.00	ND	118	81-115			
1,3-Dichloropropane	5.40	0.5	ug/L	5.00	ND	108	82-113			
Chlorodibromomethane	5.60	0.5	ug/L	5.00	ND	112	82-116			
1,2-Dibromoethane (EDB)	5.42	0.5	ug/L	5.00	ND	108	83-115			
Chlorobenzene	5.57	0.5	ug/L	5.00	ND	111	82-110			
1,1,1,2-Tetrachloroethane	5.57	0.5	ug/L	5.00	ND	111	77-116			
Ethylbenzene	5.81	0.5	ug/L	5.00	ND	116	85-112			
m&p-Xylene	11.5	1.0	ug/L	10.0	ND	115	84-113			
o-Xylene	5.72	0.5	ug/L	5.00	ND	114	82-110			
Styrene	3.66	0.5	ug/L	5.00	ND	73	25-150			
Bromoform	5.42	0.5	ug/L	5.00	ND	108	69-121			
Isopropylbenzene	5.79	0.5	ug/L	5.00	ND	116	80-117			
Bromobenzene	5.48	0.5	ug/L	5.00	ND	110	84-110			
1,1,2,2-Tetrachloroethane	5.99	0.5	ug/L	5.00	ND	120	77-117			
1,2,3-Trichloropropane	5.25	0.5	ug/L	5.00	ND	105	78-115			
Propylbenzene	5.84	0.5	ug/L	5.00	ND	117	83-116			
2-Chlorotoluene	5.67	0.5	ug/L	5.00	ND	113	83-110			
4-Chlorotoluene	5.60	0.5	ug/L	5.00	ND	112	82-110			
1,3,5-Trimethylbenzene	5.73	0.5	ug/L	5.00	ND	115	82-112			
tert-Butylbenzene	5.71	0.5	ug/L	5.00	ND	114	81-115			
1,2,4-Trimethylbenzene	5.71	0.5	ug/L	5.00	ND	114	81-113			
sec-Butylbenzene	5.73	0.5	ug/L	5.00	ND	115	79-122			
1,3-Dichlorobenzene	5.47	0.5	ug/L	5.00	ND	109	82-110			
p-Isopropyltoluene	5.71	0.5	ug/L	5.00	ND	114	78-120			
1,4-Dichlorobenzene	5.43	0.5	ug/L	5.00	ND	109	81-110			
1,2-Dichlorobenzene	5.48	0.5	ug/L	5.00	ND	110	82-110			
Butylbenzene	5.72	0.5	ug/L	5.00	ND	114	72-122			
1,2-Dibromo-3-chloropropane	21.7	2.0	ug/L	20.0	ND	109	47-131			
1,2,4-Trichlorobenzene	5.43	0.5	ug/L	5.00	ND	109	62-115			

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Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H036 - 5030 P&T VOA										
Matrix Spike (B21H036-MS1)		**Source: 2108016-20RE1**		Prepared & Analyzed: 08/13/21						
Hexachlorobutadiene	5.45	0.5	ug/L	5.00	ND	109	51-116			
Naphthalene	5.13	0.5	ug/L	5.00	ND	103	47-137			
1,2,3-Trichlorobenzene	5.38	0.5	ug/L	5.00	ND	108	62-117			
Surrogate: 1,2-Dichloroethane-d4	*4.76*		ug/L	*5.00*		*95*	*83-116*			
Surrogate: Toluene-d8	*5.15*		ug/L	*5.00*		*103*	*81-112*			
Surrogate: 4-Bromofluorobenzene	*4.95*		ug/L	*5.00*		*99*	*80-110*			
Surrogate: 1,2-Dichlorobenzene-d4	*4.94*		ug/L	*5.00*		*99*	*74-113*			
Matrix Spike Dup (B21H036-MSD1)		**Source: 2108016-20RE1**		Prepared & Analyzed: 08/13/21						
Dichlorodifluoromethane	5.61	0.5	ug/L	5.00	ND	112	62-142	0.4	21	
Chloromethane	5.26	0.5	ug/L	5.00	ND	105	54-144	0.2	20	
Vinyl chloride	5.51	0.5	ug/L	5.00	ND	110	62-141	0.4	19	
Bromomethane	5.34	0.5	ug/L	5.00	ND	107	32-150	0.9	20	
Chloroethane	5.56	0.5	ug/L	5.00	ND	111	68-136	0.2	17	
Trichlorofluoromethane	5.76	0.5	ug/L	5.00	ND	115	66-142	0.3	19	
1,1-Dichloroethene	5.59	0.5	ug/L	5.00	ND	112	73-134	0.9	18	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.53	0.5	ug/L	5.00	ND	111	65-148	0.9	19	
Acetone	41.5	4.0	ug/L	40.0	5.48	90	20-150	3	31	
Dichloromethane	5.16	0.5	ug/L	5.00	ND	103	65-126	0.4	16	
trans-1,2-Dichloroethene	5.50	0.5	ug/L	5.00	ND	110	70-134	0.4	19	
tert-Butyl methyl ether (MTBE)	20.4	2.0	ug/L	20.0	ND	102	56-128	0.4	22	
1,1-Dichloroethane	5.38	0.5	ug/L	5.00	ND	108	67-134	0.4	19	
2,2-Dichloropropane	5.89	0.5	ug/L	5.00	ND	118	41-150	3	40	
cis-1,2-Dichloroethene	5.36	0.5	ug/L	5.00	ND	107	63-137	2	46	
2-Butanone (MEK)	38.3	4.0	ug/L	40.0	ND	96	48-142	1	34	
Bromochloromethane	5.08	0.5	ug/L	5.00	ND	102	70-132	3	21	
Chloroform	5.61	0.5	ug/L	5.00	ND	112	65-141	2	23	
1,1,1-Trichloroethane	5.67	0.5	ug/L	5.00	ND	113	69-116	1	14	
Carbon tetrachloride	5.66	0.5	ug/L	5.00	ND	113	65-130	0.9	14	
1,1-Dichloropropene	5.48	0.5	ug/L	5.00	ND	110	71-116	1	15	
Benzene	5.40	0.5	ug/L	5.00	ND	108	77-115	2	13	
1,2-Dichloroethane	4.88	0.5	ug/L	5.00	ND	98	71-112	8	14	
Trichloroethene	5.31	0.5	ug/L	5.00	ND	106	65-124	2	15	
1,2-Dichloropropane	5.24	0.5	ug/L	5.00	ND	105	73-118	3	14	
Dibromomethane	5.03	0.5	ug/L	5.00	ND	101	65-123	3	16	
Bromodichloromethane	5.25	0.5	ug/L	5.00	ND	105	72-118	2	16	
cis-1,3-Dichloropropene	5.22	0.5	ug/L	5.00	ND	104	69-113	3	19	
Toluene	5.83	0.5	ug/L	5.00	ND	117	84-115	2	15	
trans-1,3-Dichloropropene	5.51	0.5	ug/L	5.00	ND	110	67-117	1	19	
1,1,2-Trichloroethane	5.34	0.5	ug/L	5.00	ND	107	81-115	2	20	
Tetrachloroethene	5.79	0.5	ug/L	5.00	ND	116	81-115	2	14	
1,3-Dichloropropane	5.32	0.5	ug/L	5.00	ND	106	82-113	1	18	
Chlorodibromomethane	5.44	0.5	ug/L	5.00	ND	109	82-116	3	18	

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
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Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H036 - 5030 P&T VOA										
Matrix Spike Dup (B21H036-MSD1)		**Source: 2108016-20RE1**		Prepared & Analyzed: 08/13/21						
1,2-Dibromoethane (EDB)	5.29	0.5	ug/L	5.00	ND	106	83-115	2	20	
Chlorobenzene	5.45	0.5	ug/L	5.00	ND	109	82-110	2	13	
1,1,1,2-Tetrachloroethane	5.50	0.5	ug/L	5.00	ND	110	77-116	1	17	
Ethylbenzene	5.74	0.5	ug/L	5.00	ND	115	85-112	1	13	
m&p-Xylene	11.4	1.0	ug/L	10.0	ND	114	84-113	1	13	
o-Xylene	5.64	0.5	ug/L	5.00	ND	113	82-110	1	13	
Styrene	3.69	0.5	ug/L	5.00	ND	74	25-150	0.8	29	
Bromoform	5.25	0.5	ug/L	5.00	ND	105	69-121	3	17	
Isopropylbenzene	5.75	0.5	ug/L	5.00	ND	115	80-117	0.7	14	
Bromobenzene	5.45	0.5	ug/L	5.00	ND	109	84-110	0.5	14	
1,1,2,2-Tetrachloroethane	5.77	0.5	ug/L	5.00	ND	115	77-117	4	15	
1,2,3-Trichloropropane	5.20	0.5	ug/L	5.00	ND	104	78-115	1	13	
Propylbenzene	5.77	0.5	ug/L	5.00	ND	115	83-116	1	12	
2-Chlorotoluene	5.60	0.5	ug/L	5.00	ND	112	83-110	1	12	
4-Chlorotoluene	5.55	0.5	ug/L	5.00	ND	111	82-110	0.9	12	
1,3,5-Trimethylbenzene	5.66	0.5	ug/L	5.00	ND	113	82-112	1	13	
tert-Butylbenzene	5.62	0.5	ug/L	5.00	ND	112	81-115	2	16	
1,2,4-Trimethylbenzene	5.63	0.5	ug/L	5.00	ND	113	81-113	1	13	
sec-Butylbenzene	5.69	0.5	ug/L	5.00	ND	114	79-122	0.7	14	
1,3-Dichlorobenzene	5.41	0.5	ug/L	5.00	ND	108	82-110	1	12	
p-Isopropyltoluene	5.66	0.5	ug/L	5.00	ND	113	78-120	0.9	13	
1,4-Dichlorobenzene	5.40	0.5	ug/L	5.00	ND	108	81-110	0.6	11	
1,2-Dichlorobenzene	5.36	0.5	ug/L	5.00	ND	107	82-110	2	12	
Butylbenzene	5.64	0.5	ug/L	5.00	ND	113	72-122	1	10	
1,2-Dibromo-3-chloropropane	21.6	2.0	ug/L	20.0	ND	108	47-131	0.4	15	
1,2,4-Trichlorobenzene	5.38	0.5	ug/L	5.00	ND	108	62-115	0.9	13	
Hexachlorobutadiene	5.37	0.5	ug/L	5.00	ND	107	51-116	1	14	
Naphthalene	5.08	0.5	ug/L	5.00	ND	102	47-137	1	16	
1,2,3-Trichlorobenzene	5.32	0.5	ug/L	5.00	ND	106	62-117	1	17	
Surrogate: 1,2-Dichloroethane-d4	*4.72*		ug/L	*5.00*		*94*	*83-116*			
Surrogate: Toluene-d8	*5.16*		ug/L	*5.00*		*103*	*81-112*			
Surrogate: 4-Bromofluorobenzene	*4.94*		ug/L	*5.00*		*99*	*80-110*			
Surrogate: 1,2-Dichlorobenzene-d4	*4.91*		ug/L	*5.00*		*98*	*74-113*			

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H018 - B21H025										
Instrument Blank (S21H018-IBL1)				Prepared: 08/11/21 Analyzed: 08/12/21						
Dichlorodifluoromethane	ND	0.5	ug/L							U
Chloromethane	ND	0.5	ug/L							U
Vinyl chloride	ND	0.5	ug/L							U
Bromomethane	ND	0.5	ug/L							U
Chloroethane	ND	0.5	ug/L							U
Trichlorofluoromethane	ND	0.5	ug/L							U
1,1-Dichloroethene	ND	0.5	ug/L							U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.5	ug/L							U
Acetone	ND	4.0	ug/L							U
Dichloromethane	ND	0.5	ug/L							U
trans-1,2-Dichloroethene	ND	0.5	ug/L							U
tert-Butyl methyl ether (MTBE)	ND	2.0	ug/L							U
1,1-Dichloroethane	ND	0.5	ug/L							U
2,2-Dichloropropane	ND	0.5	ug/L							U
cis-1,2-Dichloroethene	ND	0.5	ug/L							U
2-Butanone (MEK)	ND	4.0	ug/L							U
Bromochloromethane	ND	0.5	ug/L							U
Chloroform	ND	0.5	ug/L							U
1,1,1-Trichloroethane	ND	0.5	ug/L							U
Carbon tetrachloride	ND	0.5	ug/L							U
1,1-Dichloropropene	ND	0.5	ug/L							U
Benzene	ND	0.5	ug/L							U
1,2-Dichloroethane	ND	0.5	ug/L							U
Trichloroethene	ND	0.5	ug/L							U
1,2-Dichloropropane	ND	0.5	ug/L							U
Dibromomethane	ND	0.5	ug/L							U
Bromodichloromethane	ND	0.5	ug/L							U
cis-1,3-Dichloropropene	ND	0.5	ug/L							U
Toluene	ND	0.5	ug/L							U
trans-1,3-Dichloropropene	ND	0.5	ug/L							U
1,1,2-Trichloroethane	ND	0.5	ug/L							U
Tetrachloroethene	ND	0.5	ug/L							U
1,3-Dichloropropane	ND	0.5	ug/L							U
Chlorodibromomethane	ND	0.5	ug/L							U
1,2-Dibromoethane (EDB)	ND	0.5	ug/L							U
Chlorobenzene	ND	0.5	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L							U
Ethylbenzene	ND	0.5	ug/L							U
m&p-Xylene	ND	1.0	ug/L							U
o-Xylene	ND	0.5	ug/L							U
Styrene	ND	0.5	ug/L							U
Bromoform	ND	0.5	ug/L							U
Isopropylbenzene	ND	0.5	ug/L							U

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EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H018 - B21H025										
Instrument Blank (S21H018-IBL1)				Prepared: 08/11/21 Analyzed: 08/12/21						
Bromobenzene	ND	0.5	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L							U
1,2,3-Trichloropropane	ND	0.5	ug/L							U
Propylbenzene	ND	0.5	ug/L							U
2-Chlorotoluene	ND	0.5	ug/L							U
4-Chlorotoluene	ND	0.5	ug/L							U
1,3,5-Trimethylbenzene	ND	0.5	ug/L							U
tert-Butylbenzene	ND	0.5	ug/L							U
1,2,4-Trimethylbenzene	ND	0.5	ug/L							U
sec-Butylbenzene	ND	0.5	ug/L							U
1,3-Dichlorobenzene	ND	0.5	ug/L							U
p-Isopropyltoluene	ND	0.5	ug/L							U
1,4-Dichlorobenzene	ND	0.5	ug/L							U
1,2-Dichlorobenzene	ND	0.5	ug/L							U
Butylbenzene	ND	0.5	ug/L							U
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L							U
1,2,4-Trichlorobenzene	ND	0.5	ug/L							U
Hexachlorobutadiene	ND	0.5	ug/L							U
Naphthalene	ND	0.5	ug/L							U
1,2,3-Trichlorobenzene	ND	0.5	ug/L							U
Surrogate: 1,2-Dichloroethane-d4	*5.09*		ug/L				*83-116*			
Surrogate: Toluene-d8	*4.97*		ug/L				*81-112*			
Surrogate: 4-Bromofluorobenzene	*4.84*		ug/L				*80-110*			
Surrogate: 1,2-Dichlorobenzene-d4	*4.82*		ug/L				*74-113*			
Batch S21H019 - B21H028										
Instrument Blank (S21H019-IBL1)				Prepared: 08/11/21 Analyzed: 08/12/21						
Dichlorodifluoromethane	ND	0.5	ug/L							U
Chloromethane	ND	0.5	ug/L							U
Vinyl chloride	ND	0.5	ug/L							U
Bromomethane	ND	0.5	ug/L							U
Chloroethane	ND	0.5	ug/L							U
Trichlorofluoromethane	ND	0.5	ug/L							U
1,1-Dichloroethene	ND	0.5	ug/L							U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.5	ug/L							U
Acetone	5.74	4.0	ug/L							
Dichloromethane	ND	0.5	ug/L							U
trans-1,2-Dichloroethene	ND	0.5	ug/L							U
tert-Butyl methyl ether (MTBE)	ND	2.0	ug/L							U
1,1-Dichloroethane	ND	0.5	ug/L							U
2,2-Dichloropropane	ND	0.5	ug/L							U
cis-1,2-Dichloroethene	ND	0.5	ug/L							U

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H019 - B21H028										
Instrument Blank (S21H019-IBL1)				Prepared: 08/11/21 Analyzed: 08/12/21						
2-Butanone (MEK)	ND	4.0	ug/L							U
Bromochloromethane	ND	0.5	ug/L							U
Chloroform	ND	0.5	ug/L							U
1,1,1-Trichloroethane	ND	0.5	ug/L							U
Carbon tetrachloride	ND	0.5	ug/L							U
1,1-Dichloropropene	ND	0.5	ug/L							U
Benzene	ND	0.5	ug/L							U
1,2-Dichloroethane	ND	0.5	ug/L							U
Trichloroethene	ND	0.5	ug/L							U
1,2-Dichloropropane	ND	0.5	ug/L							U
Dibromomethane	ND	0.5	ug/L							U
Bromodichloromethane	ND	0.5	ug/L							U
cis-1,3-Dichloropropene	ND	0.5	ug/L							U
Toluene	ND	0.5	ug/L							U
trans-1,3-Dichloropropene	ND	0.5	ug/L							U
1,1,2-Trichloroethane	ND	0.5	ug/L							U
Tetrachloroethene	ND	0.5	ug/L							U
1,3-Dichloropropane	ND	0.5	ug/L							U
Chlorodibromomethane	ND	0.5	ug/L							U
1,2-Dibromoethane (EDB)	ND	0.5	ug/L							U
Chlorobenzene	ND	0.5	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L							U
Ethylbenzene	ND	0.5	ug/L							U
m&p-Xylene	ND	1.0	ug/L							U
o-Xylene	ND	0.5	ug/L							U
Styrene	ND	0.5	ug/L							U
Bromoform	ND	0.5	ug/L							U
Isopropylbenzene	ND	0.5	ug/L							U
Bromobenzene	ND	0.5	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L							U
1,2,3-Trichloropropane	ND	0.5	ug/L							U
Propylbenzene	ND	0.5	ug/L							U
2-Chlorotoluene	ND	0.5	ug/L							U
4-Chlorotoluene	ND	0.5	ug/L							U
1,3,5-Trimethylbenzene	ND	0.5	ug/L							U
tert-Butylbenzene	ND	0.5	ug/L							U
1,2,4-Trimethylbenzene	ND	0.5	ug/L							U
sec-Butylbenzene	ND	0.5	ug/L							U
1,3-Dichlorobenzene	ND	0.5	ug/L							U
p-Isopropyltoluene	ND	0.5	ug/L							U
1,4-Dichlorobenzene	ND	0.5	ug/L							U
1,2-Dichlorobenzene	ND	0.5	ug/L							U
Butylbenzene	ND	0.5	ug/L							U

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H019 - B21H028										
Instrument Blank (S21H019-IBL1)				Prepared: 08/11/21 Analyzed: 08/12/21						
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L							U
1,2,4-Trichlorobenzene	ND	0.5	ug/L							U
Hexachlorobutadiene	ND	0.5	ug/L							U
Naphthalene	ND	0.5	ug/L							U
1,2,3-Trichlorobenzene	ND	0.5	ug/L							U
Surrogate: 1,2-Dichloroethane-d4	*5.06*		ug/L				*83-116*			
Surrogate: Toluene-d8	*5.16*		ug/L				*81-112*			
Surrogate: 4-Bromofluorobenzene	*4.98*		ug/L				*80-110*			
Surrogate: 1,2-Dichlorobenzene-d4	*4.77*		ug/L				*74-113*			
Batch S21H024 - B21H029										
Instrument Blank (S21H024-IBL1)				Prepared & Analyzed: 08/12/21						
Dichlorodifluoromethane	ND	0.5	ug/L							U
Chloromethane	ND	0.5	ug/L							U
Vinyl chloride	ND	0.5	ug/L							U
Bromomethane	ND	0.5	ug/L							U
Chloroethane	ND	0.5	ug/L							U
Trichlorofluoromethane	ND	0.5	ug/L							U
1,1-Dichloroethene	ND	0.5	ug/L							U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.5	ug/L							U
Acetone	ND	4.0	ug/L							U
Dichloromethane	ND	0.5	ug/L							U
trans-1,2-Dichloroethene	ND	0.5	ug/L							U
tert-Butyl methyl ether (MTBE)	ND	2.0	ug/L							U
1,1-Dichloroethane	ND	0.5	ug/L							U
2,2-Dichloropropane	ND	0.5	ug/L							U
cis-1,2-Dichloroethene	ND	0.5	ug/L							U
2-Butanone (MEK)	ND	4.0	ug/L							U
Bromochloromethane	ND	0.5	ug/L							U
Chloroform	ND	0.5	ug/L							U
1,1,1-Trichloroethane	ND	0.5	ug/L							U
Carbon tetrachloride	ND	0.5	ug/L							U
1,1-Dichloropropene	ND	0.5	ug/L							U
Benzene	ND	0.5	ug/L							U
1,2-Dichloroethane	ND	0.5	ug/L							U
Trichloroethene	ND	0.5	ug/L							U
1,2-Dichloropropane	ND	0.5	ug/L							U
Dibromomethane	ND	0.5	ug/L							U
Bromodichloromethane	ND	0.5	ug/L							U
cis-1,3-Dichloropropene	ND	0.5	ug/L							U
Toluene	ND	0.5	ug/L							U
trans-1,3-Dichloropropene	ND	0.5	ug/L							U

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H024 - B21H029										
Instrument Blank (S21H024-IBL1)				Prepared & Analyzed: 08/12/21						
1,1,2-Trichloroethane	ND	0.5	ug/L							U
Tetrachloroethene	ND	0.5	ug/L							U
1,3-Dichloropropane	ND	0.5	ug/L							U
Chlorodibromomethane	ND	0.5	ug/L							U
1,2-Dibromoethane (EDB)	ND	0.5	ug/L							U
Chlorobenzene	ND	0.5	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L							U
Ethylbenzene	ND	0.5	ug/L							U
m&p-Xylene	ND	1.0	ug/L							U
o-Xylene	ND	0.5	ug/L							U
Styrene	ND	0.5	ug/L							U
Bromoform	ND	0.5	ug/L							U
Isopropylbenzene	ND	0.5	ug/L							U
Bromobenzene	ND	0.5	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L							U
1,2,3-Trichloropropane	ND	0.5	ug/L							U
Propylbenzene	ND	0.5	ug/L							U
2-Chlorotoluene	ND	0.5	ug/L							U
4-Chlorotoluene	ND	0.5	ug/L							U
1,3,5-Trimethylbenzene	ND	0.5	ug/L							U
tert-Butylbenzene	ND	0.5	ug/L							U
1,2,4-Trimethylbenzene	ND	0.5	ug/L							U
sec-Butylbenzene	ND	0.5	ug/L							U
1,3-Dichlorobenzene	ND	0.5	ug/L							U
p-Isopropyltoluene	ND	0.5	ug/L							U
1,4-Dichlorobenzene	ND	0.5	ug/L							U
1,2-Dichlorobenzene	ND	0.5	ug/L							U
Butylbenzene	ND	0.5	ug/L							U
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L							U
1,2,4-Trichlorobenzene	ND	0.5	ug/L							U
Hexachlorobutadiene	ND	0.5	ug/L							U
Naphthalene	ND	0.5	ug/L							U
1,2,3-Trichlorobenzene	ND	0.5	ug/L							U
Surrogate: 1,2-Dichloroethane-d4	*5.46*		ug/L				*83-116*			
Surrogate: Toluene-d8	*4.80*		ug/L				*81-112*			
Surrogate: 4-Bromofluorobenzene	*4.51*		ug/L				*80-110*			
Surrogate: 1,2-Dichlorobenzene-d4	*4.77*		ug/L				*74-113*			

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Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H024 - B21H029										
Instrument Blank (S21H024-IBL2)				Prepared & Analyzed: 08/12/21						
Dichlorodifluoromethane	ND	0.5	ug/L							U
Chloromethane	ND	0.5	ug/L							U
Vinyl chloride	ND	0.5	ug/L							U
Bromomethane	ND	0.5	ug/L							U
Chloroethane	ND	0.5	ug/L							U
Trichlorofluoromethane	ND	0.5	ug/L							U
1,1-Dichloroethene	ND	0.5	ug/L							U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.5	ug/L							U
Acetone	ND	4.0	ug/L							U
Dichloromethane	ND	0.5	ug/L							U
trans-1,2-Dichloroethene	ND	0.5	ug/L							U
tert-Butyl methyl ether (MTBE)	ND	2.0	ug/L							U
1,1-Dichloroethane	ND	0.5	ug/L							U
2,2-Dichloropropane	ND	0.5	ug/L							U
cis-1,2-Dichloroethene	ND	0.5	ug/L							U
2-Butanone (MEK)	ND	4.0	ug/L							U
Bromochloromethane	ND	0.5	ug/L							U
Chloroform	ND	0.5	ug/L							U
1,1,1-Trichloroethane	ND	0.5	ug/L							U
Carbon tetrachloride	ND	0.5	ug/L							U
1,1-Dichloropropene	ND	0.5	ug/L							U
Benzene	ND	0.5	ug/L							U
1,2-Dichloroethane	ND	0.5	ug/L							U
Trichloroethene	ND	0.5	ug/L							U
1,2-Dichloropropane	ND	0.5	ug/L							U
Dibromomethane	ND	0.5	ug/L							U
Bromodichloromethane	ND	0.5	ug/L							U
cis-1,3-Dichloropropene	ND	0.5	ug/L							U
Toluene	ND	0.5	ug/L							U
trans-1,3-Dichloropropene	ND	0.5	ug/L							U
1,1,2-Trichloroethane	ND	0.5	ug/L							U
Tetrachloroethene	ND	0.5	ug/L							U
1,3-Dichloropropane	ND	0.5	ug/L							U
Chlorodibromomethane	ND	0.5	ug/L							U
1,2-Dibromoethane (EDB)	ND	0.5	ug/L							U
Chlorobenzene	ND	0.5	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L							U
Ethylbenzene	ND	0.5	ug/L							U
m&p-Xylene	ND	1.0	ug/L							U
o-Xylene	ND	0.5	ug/L							U
Styrene	ND	0.5	ug/L							U
Bromoform	ND	0.5	ug/L							U
Isopropylbenzene	ND	0.5	ug/L							U

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H024 - B21H029										
Instrument Blank (S21H024-IBL2)				Prepared & Analyzed: 08/12/21						
Bromobenzene	ND	0.5	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L							U
1,2,3-Trichloropropane	ND	0.5	ug/L							U
Propylbenzene	ND	0.5	ug/L							U
2-Chlorotoluene	ND	0.5	ug/L							U
4-Chlorotoluene	ND	0.5	ug/L							U
1,3,5-Trimethylbenzene	ND	0.5	ug/L							U
tert-Butylbenzene	ND	0.5	ug/L							U
1,2,4-Trimethylbenzene	ND	0.5	ug/L							U
sec-Butylbenzene	ND	0.5	ug/L							U
1,3-Dichlorobenzene	ND	0.5	ug/L							U
p-Isopropyltoluene	ND	0.5	ug/L							U
1,4-Dichlorobenzene	ND	0.5	ug/L							U
1,2-Dichlorobenzene	ND	0.5	ug/L							U
Butylbenzene	ND	0.5	ug/L							U
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L							U
1,2,4-Trichlorobenzene	ND	0.5	ug/L							U
Hexachlorobutadiene	ND	0.5	ug/L							U
Naphthalene	ND	0.5	ug/L							U
1,2,3-Trichlorobenzene	ND	0.5	ug/L							U
Surrogate: 1,2-Dichloroethane-d4	*4.80*		ug/L				*83-116*			
Surrogate: Toluene-d8	*4.72*		ug/L				*81-112*			
Surrogate: 4-Bromofluorobenzene	*5.05*		ug/L				*80-110*			
Surrogate: 1,2-Dichlorobenzene-d4	*5.15*		ug/L				*74-113*			
Instrument Blank (S21H024-IBL3)				Prepared & Analyzed: 08/12/21						
Dichlorodifluoromethane	ND	0.5	ug/L							U
Chloromethane	ND	0.5	ug/L							U
Vinyl chloride	ND	0.5	ug/L							U
Bromomethane	ND	0.5	ug/L							U
Chloroethane	ND	0.5	ug/L							U
Trichlorofluoromethane	ND	0.5	ug/L							U
1,1-Dichloroethene	ND	0.5	ug/L							U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.5	ug/L							U
Acetone	ND	4.0	ug/L							U
Dichloromethane	ND	0.5	ug/L							U
trans-1,2-Dichloroethene	ND	0.5	ug/L							U
tert-Butyl methyl ether (MTBE)	ND	2.0	ug/L							U
1,1-Dichloroethane	ND	0.5	ug/L							U
2,2-Dichloropropane	ND	0.5	ug/L							U
cis-1,2-Dichloroethene	ND	0.5	ug/L							U
2-Butanone (MEK)	ND	4.0	ug/L							U
Bromochloromethane	ND	0.5	ug/L							U

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Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H024 - B21H029										
Instrument Blank (S21H024-IBL3)				Prepared & Analyzed: 08/12/21						
Chloroform	ND	0.5	ug/L							U
1,1,1-Trichloroethane	ND	0.5	ug/L							U
Carbon tetrachloride	ND	0.5	ug/L							U
1,1-Dichloropropene	ND	0.5	ug/L							U
Benzene	ND	0.5	ug/L							U
1,2-Dichloroethane	ND	0.5	ug/L							U
Trichloroethene	ND	0.5	ug/L							U
1,2-Dichloropropane	ND	0.5	ug/L							U
Dibromomethane	ND	0.5	ug/L							U
Bromodichloromethane	ND	0.5	ug/L							U
cis-1,3-Dichloropropene	ND	0.5	ug/L							U
Toluene	ND	0.5	ug/L							U
trans-1,3-Dichloropropene	ND	0.5	ug/L							U
1,1,2-Trichloroethane	ND	0.5	ug/L							U
Tetrachloroethene	ND	0.5	ug/L							U
1,3-Dichloropropane	ND	0.5	ug/L							U
Chlorodibromomethane	ND	0.5	ug/L							U
1,2-Dibromoethane (EDB)	ND	0.5	ug/L							U
Chlorobenzene	ND	0.5	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L							U
Ethylbenzene	ND	0.5	ug/L							U
m&p-Xylene	ND	1.0	ug/L							U
o-Xylene	ND	0.5	ug/L							U
Styrene	ND	0.5	ug/L							U
Bromoform	ND	0.5	ug/L							U
Isopropylbenzene	ND	0.5	ug/L							U
Bromobenzene	ND	0.5	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L							U
1,2,3-Trichloropropane	ND	0.5	ug/L							U
Propylbenzene	ND	0.5	ug/L							U
2-Chlorotoluene	ND	0.5	ug/L							U
4-Chlorotoluene	ND	0.5	ug/L							U
1,3,5-Trimethylbenzene	ND	0.5	ug/L							U
tert-Butylbenzene	ND	0.5	ug/L							U
1,2,4-Trimethylbenzene	ND	0.5	ug/L							U
sec-Butylbenzene	ND	0.5	ug/L							U
1,3-Dichlorobenzene	ND	0.5	ug/L							U
p-Isopropyltoluene	ND	0.5	ug/L							U
1,4-Dichlorobenzene	ND	0.5	ug/L							U
1,2-Dichlorobenzene	ND	0.5	ug/L							U
Butylbenzene	ND	0.5	ug/L							U
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L							U
1,2,4-Trichlorobenzene	ND	0.5	ug/L							U

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Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H024 - B21H029										
Instrument Blank (S21H024-IBL3)				Prepared & Analyzed: 08/12/21						
Hexachlorobutadiene	ND	0.5	ug/L							U
Naphthalene	ND	0.5	ug/L							U
1,2,3-Trichlorobenzene	ND	0.5	ug/L							U
Surrogate: 1,2-Dichloroethane-d4	*4.90*		ug/L				*83-116*			
Surrogate: Toluene-d8	*4.69*		ug/L				*81-112*			
Surrogate: 4-Bromofluorobenzene	*4.89*		ug/L				*80-110*			
Surrogate: 1,2-Dichlorobenzene-d4	*5.02*		ug/L				*74-113*			
Instrument Blank (S21H024-IBL4)				Prepared & Analyzed: 08/12/21						
Dichlorodifluoromethane	ND	0.5	ug/L							U
Chloromethane	ND	0.5	ug/L							U
Vinyl chloride	ND	0.5	ug/L							U
Bromomethane	ND	0.5	ug/L							U
Chloroethane	ND	0.5	ug/L							U
Trichlorofluoromethane	ND	0.5	ug/L							U
1,1-Dichloroethene	ND	0.5	ug/L							U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.5	ug/L							U
Acetone	ND	4.0	ug/L							U
Dichloromethane	ND	0.5	ug/L							U
trans-1,2-Dichloroethene	ND	0.5	ug/L							U
tert-Butyl methyl ether (MTBE)	ND	2.0	ug/L							U
1,1-Dichloroethane	ND	0.5	ug/L							U
2,2-Dichloropropane	ND	0.5	ug/L							U
cis-1,2-Dichloroethene	ND	0.5	ug/L							U
2-Butanone (MEK)	ND	4.0	ug/L							U
Bromochloromethane	ND	0.5	ug/L							U
Chloroform	ND	0.5	ug/L							U
1,1,1-Trichloroethane	ND	0.5	ug/L							U
Carbon tetrachloride	ND	0.5	ug/L							U
1,1-Dichloropropene	ND	0.5	ug/L							U
Benzene	ND	0.5	ug/L							U
1,2-Dichloroethane	ND	0.5	ug/L							U
Trichloroethene	ND	0.5	ug/L							U
1,2-Dichloropropane	ND	0.5	ug/L							U
Dibromomethane	ND	0.5	ug/L							U
Bromodichloromethane	ND	0.5	ug/L							U
cis-1,3-Dichloropropene	ND	0.5	ug/L							U
Toluene	ND	0.5	ug/L							U
trans-1,3-Dichloropropene	ND	0.5	ug/L							U
1,1,2-Trichloroethane	ND	0.5	ug/L							U
Tetrachloroethene	ND	0.5	ug/L							U
1,3-Dichloropropane	ND	0.5	ug/L							U
Chlorodibromomethane	ND	0.5	ug/L							U

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Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H024 - B21H029										
Instrument Blank (S21H024-IBL4)				Prepared & Analyzed: 08/12/21						
1,2-Dibromoethane (EDB)	ND	0.5	ug/L							U
Chlorobenzene	ND	0.5	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L							U
Ethylbenzene	ND	0.5	ug/L							U
m&p-Xylene	ND	1.0	ug/L							U
o-Xylene	ND	0.5	ug/L							U
Styrene	ND	0.5	ug/L							U
Bromoform	ND	0.5	ug/L							U
Isopropylbenzene	ND	0.5	ug/L							U
Bromobenzene	ND	0.5	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L							U
1,2,3-Trichloropropane	ND	0.5	ug/L							U
Propylbenzene	ND	0.5	ug/L							U
2-Chlorotoluene	ND	0.5	ug/L							U
4-Chlorotoluene	ND	0.5	ug/L							U
1,3,5-Trimethylbenzene	ND	0.5	ug/L							U
tert-Butylbenzene	ND	0.5	ug/L							U
1,2,4-Trimethylbenzene	ND	0.5	ug/L							U
sec-Butylbenzene	ND	0.5	ug/L							U
1,3-Dichlorobenzene	ND	0.5	ug/L							U
p-Isopropyltoluene	ND	0.5	ug/L							U
1,4-Dichlorobenzene	ND	0.5	ug/L							U
1,2-Dichlorobenzene	ND	0.5	ug/L							U
Butylbenzene	ND	0.5	ug/L							U
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L							U
1,2,4-Trichlorobenzene	ND	0.5	ug/L							U
Hexachlorobutadiene	ND	0.5	ug/L							U
Naphthalene	ND	0.5	ug/L							U
1,2,3-Trichlorobenzene	ND	0.5	ug/L							U
Surrogate: 1,2-Dichloroethane-d4	*4.64*		ug/L				*83-116*			
Surrogate: Toluene-d8	*4.78*		ug/L				*81-112*			
Surrogate: 4-Bromofluorobenzene	*4.90*		ug/L				*80-110*			
Surrogate: 1,2-Dichlorobenzene-d4	*5.07*		ug/L				*74-113*			

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Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H024 - B21H029										
Instrument Blank (S21H024-IBL5)				Prepared & Analyzed: 08/12/21						
Dichlorodifluoromethane	ND	0.5	ug/L							U
Chloromethane	ND	0.5	ug/L							U
Vinyl chloride	ND	0.5	ug/L							U
Bromomethane	ND	0.5	ug/L							U
Chloroethane	ND	0.5	ug/L							U
Trichlorofluoromethane	ND	0.5	ug/L							U
1,1-Dichloroethene	ND	0.5	ug/L							U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.5	ug/L							U
Acetone	ND	4.0	ug/L							U
Dichloromethane	ND	0.5	ug/L							U
trans-1,2-Dichloroethene	ND	0.5	ug/L							U
tert-Butyl methyl ether (MTBE)	ND	2.0	ug/L							U
1,1-Dichloroethane	ND	0.5	ug/L							U
2,2-Dichloropropane	ND	0.5	ug/L							U
cis-1,2-Dichloroethene	ND	0.5	ug/L							U
2-Butanone (MEK)	ND	4.0	ug/L							U
Bromochloromethane	ND	0.5	ug/L							U
Chloroform	ND	0.5	ug/L							U
1,1,1-Trichloroethane	ND	0.5	ug/L							U
Carbon tetrachloride	ND	0.5	ug/L							U
1,1-Dichloropropene	ND	0.5	ug/L							U
Benzene	ND	0.5	ug/L							U
1,2-Dichloroethane	ND	0.5	ug/L							U
Trichloroethene	ND	0.5	ug/L							U
1,2-Dichloropropane	ND	0.5	ug/L							U
Dibromomethane	ND	0.5	ug/L							U
Bromodichloromethane	ND	0.5	ug/L							U
cis-1,3-Dichloropropene	ND	0.5	ug/L							U
Toluene	ND	0.5	ug/L							U
trans-1,3-Dichloropropene	ND	0.5	ug/L							U
1,1,2-Trichloroethane	ND	0.5	ug/L							U
Tetrachloroethene	ND	0.5	ug/L							U
1,3-Dichloropropane	ND	0.5	ug/L							U
Chlorodibromomethane	ND	0.5	ug/L							U
1,2-Dibromoethane (EDB)	ND	0.5	ug/L							U
Chlorobenzene	ND	0.5	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L							U
Ethylbenzene	ND	0.5	ug/L							U
m&p-Xylene	ND	1.0	ug/L							U
o-Xylene	ND	0.5	ug/L							U
Styrene	ND	0.5	ug/L							U
Bromoform	ND	0.5	ug/L							U
Isopropylbenzene	ND	0.5	ug/L							U

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Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H024 - B21H029										
Instrument Blank (S21H024-IBL5)				Prepared & Analyzed: 08/12/21						
Bromobenzene	ND	0.5	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L							U
1,2,3-Trichloropropane	ND	0.5	ug/L							U
Propylbenzene	ND	0.5	ug/L							U
2-Chlorotoluene	ND	0.5	ug/L							U
4-Chlorotoluene	ND	0.5	ug/L							U
1,3,5-Trimethylbenzene	ND	0.5	ug/L							U
tert-Butylbenzene	ND	0.5	ug/L							U
1,2,4-Trimethylbenzene	ND	0.5	ug/L							U
sec-Butylbenzene	ND	0.5	ug/L							U
1,3-Dichlorobenzene	ND	0.5	ug/L							U
p-Isopropyltoluene	ND	0.5	ug/L							U
1,4-Dichlorobenzene	ND	0.5	ug/L							U
1,2-Dichlorobenzene	ND	0.5	ug/L							U
Butylbenzene	ND	0.5	ug/L							U
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L							U
1,2,4-Trichlorobenzene	ND	0.5	ug/L							U
Hexachlorobutadiene	ND	0.5	ug/L							U
Naphthalene	ND	0.5	ug/L							U
1,2,3-Trichlorobenzene	ND	0.5	ug/L							U
Surrogate: 1,2-Dichloroethane-d4	*4.77*		ug/L				*83-116*			
Surrogate: Toluene-d8	*4.68*		ug/L				*81-112*			
Surrogate: 4-Bromofluorobenzene	*5.03*		ug/L				*80-110*			
Surrogate: 1,2-Dichlorobenzene-d4	*5.21*		ug/L				*74-113*			
Instrument Blank (S21H024-IBL6)				Prepared & Analyzed: 08/12/21						
Dichlorodifluoromethane	ND	0.5	ug/L							U
Chloromethane	ND	0.5	ug/L							U
Vinyl chloride	ND	0.5	ug/L							U
Bromomethane	ND	0.5	ug/L							U
Chloroethane	ND	0.5	ug/L							U
Trichlorofluoromethane	ND	0.5	ug/L							U
1,1-Dichloroethene	ND	0.5	ug/L							U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.5	ug/L							U
Acetone	ND	4.0	ug/L							U
Dichloromethane	ND	0.5	ug/L							U
trans-1,2-Dichloroethene	ND	0.5	ug/L							U
tert-Butyl methyl ether (MTBE)	ND	2.0	ug/L							U
1,1-Dichloroethane	ND	0.5	ug/L							U
2,2-Dichloropropane	ND	0.5	ug/L							U
cis-1,2-Dichloroethene	ND	0.5	ug/L							U
2-Butanone (MEK)	ND	4.0	ug/L							U
Bromochloromethane	ND	0.5	ug/L							U

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EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H024 - B21H029										
Instrument Blank (S21H024-IBL6)				Prepared & Analyzed: 08/12/21						
Chloroform	ND	0.5	ug/L							U
1,1,1-Trichloroethane	ND	0.5	ug/L							U
Carbon tetrachloride	ND	0.5	ug/L							U
1,1-Dichloropropene	ND	0.5	ug/L							U
Benzene	ND	0.5	ug/L							U
1,2-Dichloroethane	ND	0.5	ug/L							U
Trichloroethene	ND	0.5	ug/L							U
1,2-Dichloropropane	ND	0.5	ug/L							U
Dibromomethane	ND	0.5	ug/L							U
Bromodichloromethane	ND	0.5	ug/L							U
cis-1,3-Dichloropropene	ND	0.5	ug/L							U
Toluene	ND	0.5	ug/L							U
trans-1,3-Dichloropropene	ND	0.5	ug/L							U
1,1,2-Trichloroethane	ND	0.5	ug/L							U
Tetrachloroethene	ND	0.5	ug/L							U
1,3-Dichloropropane	ND	0.5	ug/L							U
Chlorodibromomethane	ND	0.5	ug/L							U
1,2-Dibromoethane (EDB)	ND	0.5	ug/L							U
Chlorobenzene	ND	0.5	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L							U
Ethylbenzene	ND	0.5	ug/L							U
m&p-Xylene	ND	1.0	ug/L							U
o-Xylene	ND	0.5	ug/L							U
Styrene	ND	0.5	ug/L							U
Bromoform	ND	0.5	ug/L							U
Isopropylbenzene	ND	0.5	ug/L							U
Bromobenzene	ND	0.5	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L							U
1,2,3-Trichloropropane	ND	0.5	ug/L							U
Propylbenzene	ND	0.5	ug/L							U
2-Chlorotoluene	ND	0.5	ug/L							U
4-Chlorotoluene	ND	0.5	ug/L							U
1,3,5-Trimethylbenzene	ND	0.5	ug/L							U
tert-Butylbenzene	ND	0.5	ug/L							U
1,2,4-Trimethylbenzene	ND	0.5	ug/L							U
sec-Butylbenzene	ND	0.5	ug/L							U
1,3-Dichlorobenzene	ND	0.5	ug/L							U
p-Isopropyltoluene	ND	0.5	ug/L							U
1,4-Dichlorobenzene	ND	0.5	ug/L							U
1,2-Dichlorobenzene	ND	0.5	ug/L							U
Butylbenzene	ND	0.5	ug/L							U
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L							U
1,2,4-Trichlorobenzene	ND	0.5	ug/L							U

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H024 - B21H029										
Instrument Blank (S21H024-IBL6)				Prepared & Analyzed: 08/12/21						
Hexachlorobutadiene	ND	0.5	ug/L							U
Naphthalene	ND	0.5	ug/L							U
1,2,3-Trichlorobenzene	ND	0.5	ug/L							U
Surrogate: 1,2-Dichloroethane-d4	*4.98*		ug/L				*83-116*			
Surrogate: Toluene-d8	*4.69*		ug/L				*81-112*			
Surrogate: 4-Bromofluorobenzene	*4.97*		ug/L				*80-110*			
Surrogate: 1,2-Dichlorobenzene-d4	*5.19*		ug/L				*74-113*			
Instrument Blank (S21H024-IBL7)				Prepared & Analyzed: 08/12/21						
Dichlorodifluoromethane	ND	0.5	ug/L							U
Chloromethane	ND	0.5	ug/L							U
Vinyl chloride	ND	0.5	ug/L							U
Bromomethane	ND	0.5	ug/L							U
Chloroethane	ND	0.5	ug/L							U
Trichlorofluoromethane	ND	0.5	ug/L							U
1,1-Dichloroethene	ND	0.5	ug/L							U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.5	ug/L							U
Acetone	ND	4.0	ug/L							U
Dichloromethane	ND	0.5	ug/L							U
trans-1,2-Dichloroethene	ND	0.5	ug/L							U
tert-Butyl methyl ether (MTBE)	ND	2.0	ug/L							U
1,1-Dichloroethane	ND	0.5	ug/L							U
2,2-Dichloropropane	ND	0.5	ug/L							U
cis-1,2-Dichloroethene	ND	0.5	ug/L							U
2-Butanone (MEK)	ND	4.0	ug/L							U
Bromochloromethane	ND	0.5	ug/L							U
Chloroform	ND	0.5	ug/L							U
1,1,1-Trichloroethane	ND	0.5	ug/L							U
Carbon tetrachloride	ND	0.5	ug/L							U
1,1-Dichloropropene	ND	0.5	ug/L							U
Benzene	ND	0.5	ug/L							U
1,2-Dichloroethane	ND	0.5	ug/L							U
Trichloroethene	ND	0.5	ug/L							U
1,2-Dichloropropane	ND	0.5	ug/L							U
Dibromomethane	ND	0.5	ug/L							U
Bromodichloromethane	ND	0.5	ug/L							U
cis-1,3-Dichloropropene	ND	0.5	ug/L							U
Toluene	ND	0.5	ug/L							U
trans-1,3-Dichloropropene	ND	0.5	ug/L							U
1,1,2-Trichloroethane	ND	0.5	ug/L							U
Tetrachloroethene	ND	0.5	ug/L							U
1,3-Dichloropropane	ND	0.5	ug/L							U
Chlorodibromomethane	ND	0.5	ug/L							U

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Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H024 - B21H029										
Instrument Blank (S21H024-IBL7)				Prepared & Analyzed: 08/12/21						
1,2-Dibromoethane (EDB)	ND	0.5	ug/L							U
Chlorobenzene	ND	0.5	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L							U
Ethylbenzene	ND	0.5	ug/L							U
m&p-Xylene	ND	1.0	ug/L							U
o-Xylene	ND	0.5	ug/L							U
Styrene	ND	0.5	ug/L							U
Bromoform	ND	0.5	ug/L							U
Isopropylbenzene	ND	0.5	ug/L							U
Bromobenzene	ND	0.5	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L							U
1,2,3-Trichloropropane	ND	0.5	ug/L							U
Propylbenzene	ND	0.5	ug/L							U
2-Chlorotoluene	ND	0.5	ug/L							U
4-Chlorotoluene	ND	0.5	ug/L							U
1,3,5-Trimethylbenzene	ND	0.5	ug/L							U
tert-Butylbenzene	ND	0.5	ug/L							U
1,2,4-Trimethylbenzene	ND	0.5	ug/L							U
sec-Butylbenzene	ND	0.5	ug/L							U
1,3-Dichlorobenzene	ND	0.5	ug/L							U
p-Isopropyltoluene	ND	0.5	ug/L							U
1,4-Dichlorobenzene	ND	0.5	ug/L							U
1,2-Dichlorobenzene	ND	0.5	ug/L							U
Butylbenzene	ND	0.5	ug/L							U
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L							U
1,2,4-Trichlorobenzene	ND	0.5	ug/L							U
Hexachlorobutadiene	ND	0.5	ug/L							U
Naphthalene	ND	0.5	ug/L							U
1,2,3-Trichlorobenzene	ND	0.5	ug/L							U
Surrogate: 1,2-Dichloroethane-d4	*4.97*		ug/L				*83-116*			
Surrogate: Toluene-d8	*4.69*		ug/L				*81-112*			
Surrogate: 4-Bromofluorobenzene	*4.83*		ug/L				*80-110*			
Surrogate: 1,2-Dichlorobenzene-d4	*5.06*		ug/L				*74-113*			

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Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H028 - B21H036										
Instrument Blank (S21H028-IBL1)				Prepared & Analyzed: 08/13/21						
Dichlorodifluoromethane	ND	0.5	ug/L							U
Chloromethane	ND	0.5	ug/L							U
Vinyl chloride	ND	0.5	ug/L							U
Bromomethane	ND	0.5	ug/L							U
Chloroethane	ND	0.5	ug/L							U
Trichlorofluoromethane	ND	0.5	ug/L							U
1,1-Dichloroethene	ND	0.5	ug/L							U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.5	ug/L							U
Acetone	ND	4.0	ug/L							U
Dichloromethane	ND	0.5	ug/L							U
trans-1,2-Dichloroethene	ND	0.5	ug/L							U
tert-Butyl methyl ether (MTBE)	ND	2.0	ug/L							U
1,1-Dichloroethane	ND	0.5	ug/L							U
2,2-Dichloropropane	ND	0.5	ug/L							U
cis-1,2-Dichloroethene	ND	0.5	ug/L							U
2-Butanone (MEK)	ND	4.0	ug/L							U
Bromochloromethane	ND	0.5	ug/L							U
Chloroform	ND	0.5	ug/L							U
1,1,1-Trichloroethane	ND	0.5	ug/L							U
Carbon tetrachloride	ND	0.5	ug/L							U
1,1-Dichloropropene	ND	0.5	ug/L							U
Benzene	ND	0.5	ug/L							U
1,2-Dichloroethane	ND	0.5	ug/L							U
Trichloroethene	ND	0.5	ug/L							U
1,2-Dichloropropane	ND	0.5	ug/L							U
Dibromomethane	ND	0.5	ug/L							U
Bromodichloromethane	ND	0.5	ug/L							U
cis-1,3-Dichloropropene	ND	0.5	ug/L							U
Toluene	ND	0.5	ug/L							U
trans-1,3-Dichloropropene	ND	0.5	ug/L							U
1,1,2-Trichloroethane	ND	0.5	ug/L							U
Tetrachloroethene	ND	0.5	ug/L							U
1,3-Dichloropropane	ND	0.5	ug/L							U
Chlorodibromomethane	ND	0.5	ug/L							U
1,2-Dibromoethane (EDB)	ND	0.5	ug/L							U
Chlorobenzene	ND	0.5	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L							U
Ethylbenzene	ND	0.5	ug/L							U
m&p-Xylene	ND	1.0	ug/L							U
o-Xylene	ND	0.5	ug/L							U
Styrene	ND	0.5	ug/L							U
Bromoform	ND	0.5	ug/L							U
Isopropylbenzene	ND	0.5	ug/L							U

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Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H028 - B21H036										
Instrument Blank (S21H028-IBL1)				Prepared & Analyzed: 08/13/21						
Bromobenzene	ND	0.5	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L							U
1,2,3-Trichloropropane	ND	0.5	ug/L							U
Propylbenzene	ND	0.5	ug/L							U
2-Chlorotoluene	ND	0.5	ug/L							U
4-Chlorotoluene	ND	0.5	ug/L							U
1,3,5-Trimethylbenzene	ND	0.5	ug/L							U
tert-Butylbenzene	ND	0.5	ug/L							U
1,2,4-Trimethylbenzene	ND	0.5	ug/L							U
sec-Butylbenzene	ND	0.5	ug/L							U
1,3-Dichlorobenzene	ND	0.5	ug/L							U
p-Isopropyltoluene	ND	0.5	ug/L							U
1,4-Dichlorobenzene	ND	0.5	ug/L							U
1,2-Dichlorobenzene	ND	0.5	ug/L							U
Butylbenzene	ND	0.5	ug/L							U
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L							U
1,2,4-Trichlorobenzene	ND	0.5	ug/L							U
Hexachlorobutadiene	ND	0.5	ug/L							U
Naphthalene	ND	0.5	ug/L							U
1,2,3-Trichlorobenzene	ND	0.5	ug/L							U
Surrogate: 1,2-Dichloroethane-d4	*4.72*		ug/L				*83-116*			
Surrogate: Toluene-d8	*5.05*		ug/L				*81-112*			
Surrogate: 4-Bromofluorobenzene	*4.82*		ug/L				*80-110*			
Surrogate: 1,2-Dichlorobenzene-d4	*4.77*		ug/L				*74-113*			
Instrument Blank (S21H028-IBL2)				Prepared & Analyzed: 08/13/21						
Dichlorodifluoromethane	ND	0.5	ug/L							U
Chloromethane	ND	0.5	ug/L							U
Vinyl chloride	ND	0.5	ug/L							U
Bromomethane	ND	0.5	ug/L							U
Chloroethane	ND	0.5	ug/L							U
Trichlorofluoromethane	ND	0.5	ug/L							U
1,1-Dichloroethene	ND	0.5	ug/L							U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.5	ug/L							U
Acetone	2.73	4.0	ug/L							
Dichloromethane	0.330	0.5	ug/L							
trans-1,2-Dichloroethene	ND	0.5	ug/L							U
tert-Butyl methyl ether (MTBE)	ND	2.0	ug/L							U
1,1-Dichloroethane	ND	0.5	ug/L							U
2,2-Dichloropropane	ND	0.5	ug/L							U
cis-1,2-Dichloroethene	ND	0.5	ug/L							U
2-Butanone (MEK)	ND	4.0	ug/L							U
Bromochloromethane	ND	0.5	ug/L							U

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EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H028 - B21H036										
Instrument Blank (S21H028-IBL2)				Prepared & Analyzed: 08/13/21						
Chloroform	ND	0.5	ug/L							U
1,1,1-Trichloroethane	ND	0.5	ug/L							U
Carbon tetrachloride	ND	0.5	ug/L							U
1,1-Dichloropropene	ND	0.5	ug/L							U
Benzene	ND	0.5	ug/L							U
1,2-Dichloroethane	ND	0.5	ug/L							U
Trichloroethene	ND	0.5	ug/L							U
1,2-Dichloropropane	ND	0.5	ug/L							U
Dibromomethane	ND	0.5	ug/L							U
Bromodichloromethane	ND	0.5	ug/L							U
cis-1,3-Dichloropropene	ND	0.5	ug/L							U
Toluene	ND	0.5	ug/L							U
trans-1,3-Dichloropropene	ND	0.5	ug/L							U
1,1,2-Trichloroethane	ND	0.5	ug/L							U
Tetrachloroethene	ND	0.5	ug/L							U
1,3-Dichloropropane	ND	0.5	ug/L							U
Chlorodibromomethane	ND	0.5	ug/L							U
1,2-Dibromoethane (EDB)	ND	0.5	ug/L							U
Chlorobenzene	ND	0.5	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L							U
Ethylbenzene	ND	0.5	ug/L							U
m&p-Xylene	ND	1.0	ug/L							U
o-Xylene	ND	0.5	ug/L							U
Styrene	ND	0.5	ug/L							U
Bromoform	ND	0.5	ug/L							U
Isopropylbenzene	ND	0.5	ug/L							U
Bromobenzene	ND	0.5	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L							U
1,2,3-Trichloropropane	ND	0.5	ug/L							U
Propylbenzene	ND	0.5	ug/L							U
2-Chlorotoluene	ND	0.5	ug/L							U
4-Chlorotoluene	ND	0.5	ug/L							U
1,3,5-Trimethylbenzene	ND	0.5	ug/L							U
tert-Butylbenzene	ND	0.5	ug/L							U
1,2,4-Trimethylbenzene	ND	0.5	ug/L							U
sec-Butylbenzene	ND	0.5	ug/L							U
1,3-Dichlorobenzene	ND	0.5	ug/L							U
p-Isopropyltoluene	ND	0.5	ug/L							U
1,4-Dichlorobenzene	ND	0.5	ug/L							U
1,2-Dichlorobenzene	ND	0.5	ug/L							U
Butylbenzene	ND	0.5	ug/L							U
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L							U
1,2,4-Trichlorobenzene	ND	0.5	ug/L							U

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Region 9 Laboratory

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Volatile Organic Compounds by EPA Method 524.2 - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H028 - B21H036										
Instrument Blank (S21H028-IBL2)				Prepared & Analyzed: 08/13/21						
Hexachlorobutadiene	ND	0.5	ug/L							U
Naphthalene	ND	0.5	ug/L							U
1,2,3-Trichlorobenzene	ND	0.5	ug/L							U
Surrogate: 1,2-Dichloroethane-d4	*4.75*		ug/L				*83-116*			
Surrogate: Toluene-d8	*5.09*		ug/L				*81-112*			
Surrogate: 4-Bromofluorobenzene	*4.87*		ug/L				*80-110*			
Surrogate: 1,2-Dichlorobenzene-d4	*4.83*		ug/L				*74-113*			

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Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
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Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H030 - 3520C CLLE										
Blank (B21H030-BLK1)				Prepared: 08/12/21 Analyzed: 08/18/21						
1,4-Dioxane	ND	1.0	ug/L							U
Phenol	ND	5.0	ug/L							U
Bis(2-chloroethyl)ether	ND	1.0	ug/L							U
2-Chlorophenol	ND	5.0	ug/L							U
1,3-Dichlorobenzene	ND	1.0	ug/L							U
1,4-Dichlorobenzene	ND	1.0	ug/L							U
Benzyl alcohol	ND	5.0	ug/L							U
1,2-Dichlorobenzene	ND	1.0	ug/L							U
2-Methylphenol	ND	5.0	ug/L							U
Bis(2-chloro-1-methylethyl) ether	ND	1.0	ug/L							U
3&4-Methylphenol	ND	5.0	ug/L							U
N-Nitrosodipropylamine	ND	1.0	ug/L							U
Hexachloroethane	ND	1.0	ug/L							U
Nitrobenzene	ND	1.0	ug/L							U
Isophorone	ND	1.0	ug/L							U
2-Nitrophenol	ND	5.0	ug/L							U
2,4-Dimethylphenol	ND	5.0	ug/L							U
Bis(2-chloroethoxy)methane	ND	1.0	ug/L							U
2,4-Dichlorophenol	ND	5.0	ug/L							U
1,2,4-Trichlorobenzene	ND	1.0	ug/L							U
Naphthalene	ND	1.0	ug/L							U
4-Chloroaniline	ND	5.0	ug/L							C3, J, U
Hexachlorobutadiene	ND	1.0	ug/L							U
4-Chloro-3-methylphenol	ND	5.0	ug/L							U
2-Methylnaphthalene	ND	1.0	ug/L							U
Hexachlorocyclopentadiene	ND	5.0	ug/L							C3, J, U
2,4,6-Trichlorophenol	ND	5.0	ug/L							U
2,4,5-Trichlorophenol	ND	5.0	ug/L							U
2-Chloronaphthalene	ND	1.0	ug/L							U
2-Nitroaniline	ND	5.0	ug/L							U
Dimethyl phthalate	ND	1.0	ug/L							U
2,6-Dinitrotoluene	ND	1.0	ug/L							U
Acenaphthylene	ND	1.0	ug/L							U
3-Nitroaniline	ND	5.0	ug/L							C3, J, U
Acenaphthene	ND	1.0	ug/L							U
2,4-Dinitrophenol	ND	20	ug/L							C4, J, U
4-Nitrophenol	ND	5.0	ug/L							U
Dibenzofuran	ND	1.0	ug/L							U
2,4-Dinitrotoluene	ND	1.0	ug/L							U
Diethyl phthalate	ND	1.0	ug/L							U
Fluorene	ND	1.0	ug/L							U
4-Chlorophenyl phenyl ether	ND	1.0	ug/L							U
4-Nitroaniline	ND	5.0	ug/L							U

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Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H030 - 3520C CLLE										
Blank (B21H030-BLK1)				Prepared: 08/12/21 Analyzed: 08/18/21						
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L							U
Diphenyl amine	ND	1.0	ug/L							U
4-Bromophenyl phenyl ether	ND	1.0	ug/L							U
Hexachlorobenzene	ND	1.0	ug/L							U
Pentachlorophenol	ND	20	ug/L							U
Phenanthrene	ND	1.0	ug/L							U
Anthracene	ND	1.0	ug/L							U
Carbazole	ND	1.0	ug/L							C3, J, U
Di-n-butyl phthalate	ND	1.0	ug/L							U
Fluoranthene	ND	1.0	ug/L							U
Pyrene	ND	1.0	ug/L							U
Butyl benzyl phthalate	ND	1.0	ug/L							U
Benzo(a)anthracene	ND	1.0	ug/L							U
3,3'-Dichlorobenzidine	ND	5.0	ug/L							C4, J, U
Chrysene	ND	1.0	ug/L							U
Bis(2-ethylhexyl) phthalate	ND	1.0	ug/L							C3, J, Q3, U
Di-n-octyl phthalate	ND	1.0	ug/L							C3, J, Q3, U
Benzo(b)fluoranthene	ND	1.0	ug/L							U
Benzo(k)fluoranthene	ND	1.0	ug/L							U
Benzo(a)pyrene	ND	1.0	ug/L							U
Indeno(1,2,3-cd)pyrene	ND	1.0	ug/L							U
Dibenz(a,h)anthracene	ND	1.0	ug/L							U
Benzo(g,h,i)perylene	ND	1.0	ug/L							U
Surrogate: 1,4-Dioxane-d8	*3.64*		ug/mL	*5.00*		*73*	*34-110*			
Surrogate: 2-Fluorophenol	*35.7*		ug/mL	*50.0*		*71*	*54-110*			
Surrogate: Phenol-d5	*35.0*		ug/mL	*50.0*		*70*	*29-127*			
Surrogate: 2-Chlorophenol-d4	*36.0*		ug/mL	*50.0*		*72*	*39-121*			
Surrogate: 1,2-Dichlorobenzene-d4	*33.7*		ug/mL	*50.0*		*67*	*31-110*			
Surrogate: Nitrobenzene-d5	*40.2*		ug/mL	*50.0*		*80*	*35-111*			
Surrogate: 2-Fluorobiphenyl	*38.1*		ug/mL	*50.0*		*76*	*32-115*			
Surrogate: 2,4,6-Tribromophenol	*37.8*		ug/mL	*50.0*		*76*	*37-150*			
Surrogate: Terphenyl-d14	*33.1*		ug/mL	*50.0*		*66*	*20-179*			

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H030 - 3520C CLLE										
LCS (B21H030-BS1)				Prepared: 08/12/21 Analyzed: 08/18/21						
1,4-Dioxane	9.73	1.0	ug/L	10.0		97	82-118			
Phenol	37.4	5.0	ug/L	50.0		75	48-110			
Bis(2-chloroethyl)ether	6.93	1.0	ug/L	10.0		69	50-114			
2-Chlorophenol	38.4	5.0	ug/L	50.0		77	52-110			
1,3-Dichlorobenzene	5.67	1.0	ug/L	10.0		57	32-110			
1,4-Dichlorobenzene	5.82	1.0	ug/L	10.0		58	32-110			
Benzyl alcohol	38.1	5.0	ug/L	50.0		76	52-110			
1,2-Dichlorobenzene	6.03	1.0	ug/L	10.0		60	34-110			
2-Methylphenol	37.2	5.0	ug/L	50.0		74	56-110			
Bis(2-chloro-1-methylethyl) ether	6.92	1.0	ug/L	10.0		69	36-132			
3&4-Methylphenol	41.4	5.0	ug/L	50.0		83	59-117			
N-Nitrosodipropylamine	7.41	1.0	ug/L	10.0		74	54-110			
Hexachloroethane	4.86	1.0	ug/L	10.0		49	27-110			
Nitrobenzene	8.21	1.0	ug/L	10.0		82	55-114			
Isophorone	7.64	1.0	ug/L	10.0		76	56-110			
2-Nitrophenol	38.2	5.0	ug/L	50.0		76	55-111			
2,4-Dimethylphenol	35.9	5.0	ug/L	50.0		72	36-125			
Bis(2-chloroethoxy)methane	7.66	1.0	ug/L	10.0		77	47-114			
2,4-Dichlorophenol	42.0	5.0	ug/L	50.0		84	56-116			
1,2,4-Trichlorobenzene	6.78	1.0	ug/L	10.0		68	32-110			
Naphthalene	6.86	1.0	ug/L	10.0		69	44-110			
4-Chloroaniline	37.2	5.0	ug/L	50.0		74	20-142			
Hexachlorobutadiene	5.63	1.0	ug/L	10.0		56	26-110			
4-Chloro-3-methylphenol	41.6	5.0	ug/L	50.0		83	52-121			
2-Methylnaphthalene	7.21	1.0	ug/L	10.0		72	43-110			
Hexachlorocyclopentadiene	35.2	5.0	ug/L	50.0		70	20-110			
2,4,6-Trichlorophenol	42.4	5.0	ug/L	50.0		85	57-117			
2,4,5-Trichlorophenol	42.3	5.0	ug/L	50.0		85	51-127			
2-Chloronaphthalene	7.34	1.0	ug/L	10.0		73	47-110			
2-Nitroaniline	44.2	5.0	ug/L	50.0		88	57-121			
Dimethyl phthalate	9.03	1.0	ug/L	10.0		90	64-122			
2,6-Dinitrotoluene	8.87	1.0	ug/L	10.0		89	61-116			
Acenaphthylene	7.25	1.0	ug/L	10.0		72	53-110			
3-Nitroaniline	24.2	5.0	ug/L	50.0		48	20-164			
Acenaphthene	11.4	1.0	ug/L	10.0		114	79-146			
2,4-Dinitrophenol	39.5	20	ug/L	50.0		79	40-141			
4-Nitrophenol	49.2	5.0	ug/L	50.0		98	62-140			
Dibenzofuran	7.87	1.0	ug/L	10.0		79	57-112			
2,4-Dinitrotoluene	9.27	1.0	ug/L	10.0		93	60-120			
Diethyl phthalate	8.97	1.0	ug/L	10.0		90	61-127			
Fluorene	7.92	1.0	ug/L	10.0		79	58-117			
4-Chlorophenyl phenyl ether	8.17	1.0	ug/L	10.0		82	53-112			
4-Nitroaniline	34.6	5.0	ug/L	50.0		69	30-120			

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H030 - 3520C CLLE										
LCS (B21H030-BS1)				Prepared: 08/12/21 Analyzed: 08/18/21						
4,6-Dinitro-2-methylphenol	55.4	5.0	ug/L	50.0		111	60-149			
Diphenyl amine	6.29	1.0	ug/L	10.0		63	21-115			
4-Bromophenyl phenyl ether	8.06	1.0	ug/L	10.0		81	56-110			
Hexachlorobenzene	7.97	1.0	ug/L	10.0		80	55-110			
Pentachlorophenol	43.8	20	ug/L	50.0		88	56-116			
Phenanthrene	8.36	1.0	ug/L	10.0		84	53-123			
Anthracene	8.24	1.0	ug/L	10.0		82	54-122			
Carbazole	6.40	1.0	ug/L	10.0		64	23-126			
Di-n-butyl phthalate	8.56	1.0	ug/L	10.0		86	66-126			
Fluoranthene	9.03	1.0	ug/L	10.0		90	59-124			
Pyrene	8.73	1.0	ug/L	10.0		87	54-133			
Butyl benzyl phthalate	8.22	1.0	ug/L	10.0		82	56-135			
Benzo(a)anthracene	8.37	1.0	ug/L	10.0		84	55-129			
3,3'-Dichlorobenzidine	21.2	5.0	ug/L	50.0		42	20-128			
Chrysene	8.67	1.0	ug/L	10.0		87	58-129			
Bis(2-ethylhexyl) phthalate	8.01	1.0	ug/L	10.0		80	53-152			
Di-n-octyl phthalate	8.21	1.0	ug/L	10.0		82	33-160			
Benzo(b)fluoranthene	8.97	1.0	ug/L	10.0		90	36-151			
Benzo(k)fluoranthene	9.96	1.0	ug/L	10.0		100	36-155			
Benzo(a)pyrene	9.77	1.0	ug/L	10.0		98	36-132			
Indeno(1,2,3-cd)pyrene	9.13	1.0	ug/L	10.0		91	35-151			
Dibenz(a,h)anthracene	9.48	1.0	ug/L	10.0		95	29-165			
Benzo(g,h,i)perylene	9.91	1.0	ug/L	10.0		99	42-147			
Surrogate: 1,4-Dioxane-d8	*3.62*		ug/mL	*5.00*		*72*	*34-110*			
Surrogate: 2-Fluorophenol	*37.2*		ug/mL	*50.0*		*74*	*54-110*			
Surrogate: Phenol-d5	*36.1*		ug/mL	*50.0*		*72*	*29-127*			
Surrogate: 2-Chlorophenol-d4	*37.7*		ug/mL	*50.0*		*75*	*39-121*			
Surrogate: 1,2-Dichlorobenzene-d4	*34.9*		ug/mL	*50.0*		*70*	*31-110*			
Surrogate: Nitrobenzene-d5	*40.9*		ug/mL	*50.0*		*82*	*35-111*			
Surrogate: 2-Fluorobiphenyl	*39.0*		ug/mL	*50.0*		*78*	*32-115*			
Surrogate: 2,4,6-Tribromophenol	*45.4*		ug/mL	*50.0*		*91*	*37-150*			
Surrogate: Terphenyl-d14	*34.9*		ug/mL	*50.0*		*70*	*20-179*			

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H030 - 3520C CLLE										
Matrix Spike (B21H030-MS2)		**Source: 2108010-15RE1**		Prepared: 08/12/21 Analyzed: 08/31/21						
Phenol	48.8	27	ug/L	53.8	ND	91	48-110			
Bis(2-chloroethyl)ether	11.1	5.4	ug/L	10.8	ND	103	50-114			
2-Chlorophenol	47.2	27	ug/L	53.8	ND	88	52-110			
1,3-Dichlorobenzene	7.81	5.4	ug/L	10.8	ND	72	32-110			
1,4-Dichlorobenzene	8.99	5.4	ug/L	10.8	ND	83	32-110			
Benzyl alcohol	47.1	27	ug/L	53.8	ND	88	52-110			
1,2-Dichlorobenzene	19.0	5.4	ug/L	10.8	10.5	79	34-110			
2-Methylphenol	50.3	27	ug/L	53.8	ND	94	56-110			
Bis(2-chloro-1-methylethyl) ether	8.51	5.4	ug/L	10.8	ND	79	36-132			
3&4-Methylphenol	57.0	27	ug/L	53.8	ND	106	59-117			
N-Nitrosodipropylamine	10.0	5.4	ug/L	10.8	ND	93	54-110			
Hexachloroethane	37.2	5.4	ug/L	10.8	ND	345	27-110			
Nitrobenzene	13.2	5.4	ug/L	10.8	ND	122	55-114			
Isophorone	10.2	5.4	ug/L	10.8	ND	94	56-110			
2-Nitrophenol	51.2	27	ug/L	53.8	ND	95	55-111			
2,4-Dimethylphenol	57.1	27	ug/L	53.8	ND	106	36-125			
Bis(2-chloroethoxy)methane	9.31	5.4	ug/L	10.8	ND	86	47-114			
2,4-Dichlorophenol	54.5	27	ug/L	53.8	ND	101	56-116			
1,2,4-Trichlorobenzene	9.26	5.4	ug/L	10.8	ND	86	32-110			
Naphthalene	34.3	5.4	ug/L	10.8	24.1	95	44-110			
4-Chloroaniline	ND	27	ug/L	53.8	ND		20-142			U
Hexachlorobutadiene	6.19	5.4	ug/L	10.8	ND	57	26-110			
4-Chloro-3-methylphenol	60.6	27	ug/L	53.8	ND	112	52-121			
2-Methylnaphthalene	55.0	5.4	ug/L	10.8	43.5	107	43-110			
Hexachlorocyclopentadiene	25.5	27	ug/L	53.8	ND	47	20-110			J
2,4,6-Trichlorophenol	51.4	27	ug/L	53.8	ND	95	57-117			
2,4,5-Trichlorophenol	51.4	27	ug/L	53.8	ND	96	51-127			
2-Chloronaphthalene	9.64	5.4	ug/L	10.8	ND	89	47-110			
2-Nitroaniline	42.3	27	ug/L	53.8	ND	78	57-121			
Dimethyl phthalate	11.1	5.4	ug/L	10.8	ND	103	64-122			
2,6-Dinitrotoluene	11.5	5.4	ug/L	10.8	ND	107	61-116			
Acenaphthylene	9.58	5.4	ug/L	10.8	ND	89	53-110			
3-Nitroaniline	ND	27	ug/L	53.8	ND		20-164			U
Acenaphthene	13.7	5.4	ug/L	10.8	ND	128	79-146			
2,4-Dinitrophenol	ND	110	ug/L	53.8	ND		40-141			U
4-Nitrophenol	49.4	27	ug/L	53.8	ND	92	62-140			
Dibenzofuran	10.9	5.4	ug/L	10.8	ND	101	57-112			
2,4-Dinitrotoluene	10.8	5.4	ug/L	10.8	ND	100	60-120			
Diethyl phthalate	9.96	5.4	ug/L	10.8	ND	92	61-127			
Fluorene	11.7	5.4	ug/L	10.8	ND	108	58-117			
4-Chlorophenyl phenyl ether	11.0	5.4	ug/L	10.8	ND	102	53-112			
4-Nitroaniline	18.5	27	ug/L	53.8	ND	34	30-120			J
4,6-Dinitro-2-methylphenol	54.9	27	ug/L	53.8	ND	102	60-149			

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H030 - 3520C CLLE										
Matrix Spike (B21H030-MS2)		**Source: 2108010-15RE1**		Prepared: 08/12/21 Analyzed: 08/31/21						
Diphenyl amine	5.71	5.4	ug/L	10.8	ND	53	21-115			
4-Bromophenyl phenyl ether	9.80	5.4	ug/L	10.8	ND	91	56-110			
Hexachlorobenzene	9.58	5.4	ug/L	10.8	ND	89	55-110			
Pentachlorophenol	40.8	110	ug/L	53.8	ND	76	56-116			J
Phenanthrene	12.0	5.4	ug/L	10.8	ND	112	53-123			
Anthracene	9.42	5.4	ug/L	10.8	ND	87	54-122			
Carbazole	10.1	5.4	ug/L	10.8	ND	94	23-126			
Di-n-butyl phthalate	10.9	5.4	ug/L	10.8	ND	101	66-126			
Fluoranthene	10.9	5.4	ug/L	10.8	ND	101	59-124			
Pyrene	12.3	5.4	ug/L	10.8	ND	114	54-133			
Butyl benzyl phthalate	11.6	5.4	ug/L	10.8	ND	108	56-135			
Benzo(a)anthracene	9.91	5.4	ug/L	10.8	ND	92	55-159			
3,3'-Dichlorobenzidine	ND	27	ug/L	53.8	ND		20-128			U
Chrysene	10.2	5.4	ug/L	10.8	ND	95	58-129			
Bis(2-ethylhexyl) phthalate	12.1	5.4	ug/L	10.8	ND	112	53-152			
Di-n-octyl phthalate	13.1	5.4	ug/L	10.8	ND	122	33-160			
Benzo(b)fluoranthene	10.9	5.4	ug/L	10.8	ND	101	36-151			
Benzo(k)fluoranthene	11.3	5.4	ug/L	10.8	ND	104	36-155			
Benzo(a)pyrene	10.8	5.4	ug/L	10.8	ND	100	36-132			
Indeno(1,2,3-cd)pyrene	9.69	5.4	ug/L	10.8	ND	90	35-151			
Dibenz(a,h)anthracene	9.96	5.4	ug/L	10.8	ND	92	29-165			
Benzo(g,h,i)perylene	10.1	5.4	ug/L	10.8	ND	94	42-147			
Surrogate: 1,4-Dioxane-d8	*3.05*		ug/mL	*5.00*		*61*	*34-110*			
Surrogate: 2-Fluorophenol	*38.5*		ug/mL	*50.0*		*77*	*54-110*			
Surrogate: Phenol-d5	*41.0*		ug/mL	*50.0*		*82*	*29-127*			
Surrogate: 2-Chlorophenol-d4	*41.6*		ug/mL	*50.0*		*83*	*39-121*			
Surrogate: 1,2-Dichlorobenzene-d4	*39.2*		ug/mL	*50.0*		*78*	*31-110*			
Surrogate: Nitrobenzene-d5	*41.7*		ug/mL	*50.0*		*83*	*35-111*			
Surrogate: 2-Fluorobiphenyl	*43.4*		ug/mL	*50.0*		*87*	*32-115*			
Surrogate: 2,4,6-Tribromophenol	*50.8*		ug/mL	*50.0*		*102*	*37-150*			
Surrogate: Terphenyl-d14	*31.6*		ug/mL	*50.0*		*63*	*20-179*			

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H030 - 3520C CLLE										
Matrix Spike Dup (B21H030-MSD2)		**Source: 2108010-15RE1**		Prepared: 08/12/21 Analyzed: 08/31/21						
Phenol	49.3	27	ug/L	53.3	ND	92	48-110	1	20	
Bis(2-chloroethyl)ether	9.75	5.3	ug/L	10.7	ND	91	50-114	13	20	
2-Chlorophenol	48.7	27	ug/L	53.3	ND	91	52-110	3	20	
1,3-Dichlorobenzene	8.41	5.3	ug/L	10.7	ND	79	32-110	7	20	
1,4-Dichlorobenzene	9.32	5.3	ug/L	10.7	ND	87	32-110	4	20	
Benzyl alcohol	45.0	27	ug/L	53.3	ND	84	52-110	5	20	
1,2-Dichlorobenzene	20.8	5.3	ug/L	10.7	10.5	97	34-110	9	20	
2-Methylphenol	51.2	27	ug/L	53.3	ND	96	56-110	2	20	
Bis(2-chloro-1-methylethyl) ether	9.11	5.3	ug/L	10.7	ND	85	36-132	7	20	
3&4-Methylphenol	57.6	27	ug/L	53.3	ND	108	59-117	1	20	
N-Nitrosodipropylamine	10.7	5.3	ug/L	10.7	ND	100	54-110	7	20	
Hexachloroethane	41.6	5.3	ug/L	10.7	ND	390	27-110	11	20	
Nitrobenzene	13.3	5.3	ug/L	10.7	ND	125	55-114	0.9	20	
Isophorone	10.1	5.3	ug/L	10.7	ND	94	56-110	1	20	
2-Nitrophenol	51.6	27	ug/L	53.3	ND	97	55-111	0.7	20	
2,4-Dimethylphenol	58.2	27	ug/L	53.3	ND	109	36-125	2	20	
Bis(2-chloroethoxy)methane	8.95	5.3	ug/L	10.7	ND	84	47-114	4	20	
2,4-Dichlorophenol	56.4	27	ug/L	53.3	ND	106	56-116	3	20	
1,2,4-Trichlorobenzene	9.37	5.3	ug/L	10.7	ND	88	32-110	1	20	
Naphthalene	36.4	5.3	ug/L	10.7	24.1	116	44-110	6	20	
4-Chloroaniline	ND	27	ug/L	53.3	ND		20-142		20	U
Hexachlorobutadiene	5.91	5.3	ug/L	10.7	ND	55	26-110	5	20	
4-Chloro-3-methylphenol	63.3	27	ug/L	53.3	ND	119	52-121	4	20	
2-Methylnaphthalene	58.3	5.3	ug/L	10.7	43.5	139	43-110	6	20	
Hexachlorocyclopentadiene	24.2	27	ug/L	53.3	ND	45	20-110	5	20	J
2,4,6-Trichlorophenol	52.5	27	ug/L	53.3	ND	98	57-117	2	20	
2,4,5-Trichlorophenol	52.4	27	ug/L	53.3	ND	98	51-127	2	20	
2-Chloronaphthalene	9.75	5.3	ug/L	10.7	ND	91	47-110	1	20	
2-Nitroaniline	43.4	27	ug/L	53.3	ND	82	57-121	3	20	
Dimethyl phthalate	11.4	5.3	ug/L	10.7	ND	107	64-122	2	20	
2,6-Dinitrotoluene	12.1	5.3	ug/L	10.7	ND	114	61-116	5	20	
Acenaphthylene	9.53	5.3	ug/L	10.7	ND	89	53-110	0.5	20	
3-Nitroaniline	ND	27	ug/L	53.3	ND		20-164		20	U
Acenaphthene	13.7	5.3	ug/L	10.7	ND	129	79-146	0.08	20	
2,4-Dinitrophenol	ND	110	ug/L	53.3	ND		40-141		20	U
4-Nitrophenol	46.0	27	ug/L	53.3	ND	86	62-140	7	20	
Dibenzofuran	11.2	5.3	ug/L	10.7	ND	105	57-112	3	20	
2,4-Dinitrotoluene	11.2	5.3	ug/L	10.7	ND	105	60-120	4	20	
Diethyl phthalate	9.59	5.3	ug/L	10.7	ND	90	61-127	4	20	
Fluorene	12.4	5.3	ug/L	10.7	ND	116	58-117	6	20	
4-Chlorophenyl phenyl ether	11.3	5.3	ug/L	10.7	ND	106	53-112	3	20	
4-Nitroaniline	17.4	27	ug/L	53.3	ND	33	30-120	6	20	J
4,6-Dinitro-2-methylphenol	58.3	27	ug/L	53.3	ND	110	60-149	6	20	

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21H030 - 3520C CLLE										
Matrix Spike Dup (B21H030-MSD2)		**Source: 2108010-15RE1**		Prepared: 08/12/21 Analyzed: 08/31/21						
Diphenyl amine	4.90	5.3	ug/L	10.7	ND	46	21-115	15	20	J
4-Bromophenyl phenyl ether	10.3	5.3	ug/L	10.7	ND	97	56-110	5	20	
Hexachlorobenzene	9.91	5.3	ug/L	10.7	ND	93	55-110	3	20	
Pentachlorophenol	42.3	110	ug/L	53.3	ND	79	56-116	4	20	J
Phenanthrene	12.7	5.3	ug/L	10.7	ND	120	53-123	6	20	
Anthracene	9.69	5.3	ug/L	10.7	ND	91	54-122	3	20	
Carbazole	9.05	5.3	ug/L	10.7	ND	85	23-126	11	20	
Di-n-butyl phthalate	10.5	5.3	ug/L	10.7	ND	98	66-126	4	20	
Fluoranthene	11.1	5.3	ug/L	10.7	ND	104	59-124	2	20	
Pyrene	11.9	5.3	ug/L	10.7	ND	112	54-133	3	20	
Butyl benzyl phthalate	12.1	5.3	ug/L	10.7	ND	114	56-135	5	20	
Benzo(a)anthracene	10.7	5.3	ug/L	10.7	ND	100	55-159	7	20	
3,3'-Dichlorobenzidine	ND	27	ug/L	53.3	ND		20-128		20	U
Chrysene	11.0	5.3	ug/L	10.7	ND	103	58-129	7	20	
Bis(2-ethylhexyl) phthalate	12.4	5.3	ug/L	10.7	ND	116	53-152	2	20	
Di-n-octyl phthalate	12.9	5.3	ug/L	10.7	ND	122	33-160	1	20	
Benzo(b)fluoranthene	11.7	5.3	ug/L	10.7	ND	109	36-151	6	20	
Benzo(k)fluoranthene	12.1	5.3	ug/L	10.7	ND	114	36-155	7	20	
Benzo(a)pyrene	11.6	5.3	ug/L	10.7	ND	109	36-132	7	20	
Indeno(1,2,3-cd)pyrene	11.0	5.3	ug/L	10.7	ND	104	35-151	13	20	
Dibenz(a,h)anthracene	11.3	5.3	ug/L	10.7	ND	106	29-165	13	20	
Benzo(g,h,i)perylene	11.6	5.3	ug/L	10.7	ND	108	42-147	13	20	
Surrogate: 1,4-Dioxane-d8	*3.30*		ug/mL	*5.00*		*66*	*34-110*			
Surrogate: 2-Fluorophenol	*41.3*		ug/mL	*50.0*		*83*	*54-110*			
Surrogate: Phenol-d5	*42.1*		ug/mL	*50.0*		*84*	*29-127*			
Surrogate: 2-Chlorophenol-d4	*43.8*		ug/mL	*50.0*		*88*	*39-121*			
Surrogate: 1,2-Dichlorobenzene-d4	*42.4*		ug/mL	*50.0*		*85*	*31-110*			
Surrogate: Nitrobenzene-d5	*42.8*		ug/mL	*50.0*		*86*	*35-111*			
Surrogate: 2-Fluorobiphenyl	*43.4*		ug/mL	*50.0*		*87*	*32-115*			
Surrogate: 2,4,6-Tribromophenol	*53.4*		ug/mL	*50.0*		*107*	*37-150*			
Surrogate: Terphenyl-d14	*33.9*		ug/mL	*50.0*		*68*	*20-179*			

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21I003 - 3520C CLLE										
Blank (B21I003-BLK1)				Prepared: 09/02/21 Analyzed: 09/08/21						
1,4-Dioxane	ND	1.0	ug/L							U
Phenol	ND	5.0	ug/L							U
Bis(2-chloroethyl)ether	ND	1.0	ug/L							U
2-Chlorophenol	ND	5.0	ug/L							U
1,3-Dichlorobenzene	ND	1.0	ug/L							U
1,4-Dichlorobenzene	ND	1.0	ug/L							U
Benzyl alcohol	ND	5.0	ug/L							U
1,2-Dichlorobenzene	ND	1.0	ug/L							U
2-Methylphenol	ND	5.0	ug/L							U
Bis(2-chloro-1-methylethyl) ether	ND	1.0	ug/L							U
3&4-Methylphenol	ND	5.0	ug/L							U
N-Nitrosodipropylamine	ND	1.0	ug/L							U
Hexachloroethane	ND	1.0	ug/L							U
Nitrobenzene	ND	1.0	ug/L							U
Isophorone	ND	1.0	ug/L							U
2-Nitrophenol	ND	5.0	ug/L							U
2,4-Dimethylphenol	ND	5.0	ug/L							U
Bis(2-chloroethoxy)methane	ND	1.0	ug/L							U
2,4-Dichlorophenol	ND	5.0	ug/L							U
1,2,4-Trichlorobenzene	ND	1.0	ug/L							U
Naphthalene	ND	1.0	ug/L							U
4-Chloroaniline	ND	5.0	ug/L							U
Hexachlorobutadiene	ND	1.0	ug/L							U
4-Chloro-3-methylphenol	ND	5.0	ug/L							U
2-Methylnaphthalene	ND	1.0	ug/L							U
Hexachlorocyclopentadiene	ND	5.0	ug/L							U
2,4,6-Trichlorophenol	ND	5.0	ug/L							U
2,4,5-Trichlorophenol	ND	5.0	ug/L							U
2-Chloronaphthalene	ND	1.0	ug/L							U
2-Nitroaniline	ND	5.0	ug/L							U
Dimethyl phthalate	ND	1.0	ug/L							U
2,6-Dinitrotoluene	ND	1.0	ug/L							U
Acenaphthylene	ND	1.0	ug/L							U
3-Nitroaniline	ND	5.0	ug/L							U
Acenaphthene	ND	1.0	ug/L							U
2,4-Dinitrophenol	ND	20	ug/L							U
4-Nitrophenol	ND	5.0	ug/L							U
Dibenzofuran	ND	1.0	ug/L							U
2,4-Dinitrotoluene	ND	1.0	ug/L							U
Diethyl phthalate	ND	1.0	ug/L							U
Fluorene	ND	1.0	ug/L							U
4-Chlorophenyl phenyl ether	ND	1.0	ug/L							U
4-Nitroaniline	ND	5.0	ug/L							U

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Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21I003 - 3520C CLLE										
Blank (B21I003-BLK1)				Prepared: 09/02/21 Analyzed: 09/08/21						
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L							U
Diphenyl amine	ND	1.0	ug/L							U
4-Bromophenyl phenyl ether	ND	1.0	ug/L							U
Hexachlorobenzene	ND	1.0	ug/L							U
Pentachlorophenol	ND	20	ug/L							U
Phenanthrene	ND	1.0	ug/L							U
Anthracene	ND	1.0	ug/L							U
Carbazole	ND	1.0	ug/L							U
Di-n-butyl phthalate	ND	1.0	ug/L							U
Fluoranthene	ND	1.0	ug/L							U
Pyrene	ND	1.0	ug/L							U
Butyl benzyl phthalate	ND	1.0	ug/L							U
Benzo(a)anthracene	ND	1.0	ug/L							U
3,3'-Dichlorobenzidine	ND	5.0	ug/L							U
Chrysene	ND	1.0	ug/L							U
Bis(2-ethylhexyl) phthalate	ND	1.0	ug/L							U
Di-n-octyl phthalate	ND	1.0	ug/L							U
Benzo(b)fluoranthene	ND	1.0	ug/L							U
Benzo(k)fluoranthene	ND	1.0	ug/L							U
Benzo(a)pyrene	ND	1.0	ug/L							U
Indeno(1,2,3-cd)pyrene	ND	1.0	ug/L							U
Dibenz(a,h)anthracene	ND	1.0	ug/L							U
Benzo(g,h,i)perylene	ND	1.0	ug/L							U
Surrogate: 1,4-Dioxane-d8	*3.58*		ug/mL	*5.00*		*72*	*34-110*			
Surrogate: 2-Fluorophenol	*40.1*		ug/mL	*50.0*		*80*	*54-110*			
Surrogate: Phenol-d5	*39.6*		ug/mL	*50.0*		*79*	*29-127*			
Surrogate: 2-Chlorophenol-d4	*42.0*		ug/mL	*50.0*		*84*	*39-121*			
Surrogate: 1,2-Dichlorobenzene-d4	*41.0*		ug/mL	*50.0*		*82*	*31-110*			
Surrogate: Nitrobenzene-d5	*43.0*		ug/mL	*50.0*		*86*	*35-111*			
Surrogate: 2-Fluorobiphenyl	*42.0*		ug/mL	*50.0*		*84*	*32-115*			
Surrogate: 2,4,6-Tribromophenol	*44.9*		ug/mL	*50.0*		*90*	*37-150*			
Surrogate: Terphenyl-d14	*38.0*		ug/mL	*50.0*		*76*	*20-179*			

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21I003 - 3520C CLLE										
LCS (B21I003-BS1)				Prepared: 09/02/21 Analyzed: 09/08/21						
1,4-Dioxane	10.8	1.0	ug/L	10.0		108	82-118			
Phenol	40.5	5.0	ug/L	50.0		81	48-110			
Bis(2-chloroethyl)ether	9.03	1.0	ug/L	10.0		90	50-114			
2-Chlorophenol	41.5	5.0	ug/L	50.0		83	52-110			
1,3-Dichlorobenzene	7.43	1.0	ug/L	10.0		74	32-110			
1,4-Dichlorobenzene	7.82	1.0	ug/L	10.0		78	32-110			
Benzyl alcohol	40.8	5.0	ug/L	50.0		82	52-110			
1,2-Dichlorobenzene	8.02	1.0	ug/L	10.0		80	34-110			
2-Methylphenol	42.0	5.0	ug/L	50.0		84	56-110			
Bis(2-chloro-1-methylethyl) ether	8.27	1.0	ug/L	10.0		83	36-132			
3&4-Methylphenol	45.0	5.0	ug/L	50.0		90	59-117			
N-Nitrosodipropylamine	8.26	1.0	ug/L	10.0		83	54-110			
Hexachloroethane	5.88	1.0	ug/L	10.0		59	27-110			
Nitrobenzene	9.21	1.0	ug/L	10.0		92	55-114			
Isophorone	8.16	1.0	ug/L	10.0		82	56-110			
2-Nitrophenol	43.5	5.0	ug/L	50.0		87	55-111			
2,4-Dimethylphenol	42.4	5.0	ug/L	50.0		85	36-125			
Bis(2-chloroethoxy)methane	9.03	1.0	ug/L	10.0		90	47-114			
2,4-Dichlorophenol	45.1	5.0	ug/L	50.0		90	56-116			
1,2,4-Trichlorobenzene	8.03	1.0	ug/L	10.0		80	32-110			
Naphthalene	9.30	1.0	ug/L	10.0		93	44-110			
4-Chloroaniline	42.5	5.0	ug/L	50.0		85	20-142			
Hexachlorobutadiene	5.78	1.0	ug/L	10.0		58	26-110			
4-Chloro-3-methylphenol	43.0	5.0	ug/L	50.0		86	52-121			
2-Methylnaphthalene	9.22	1.0	ug/L	10.0		92	43-110			
Hexachlorocyclopentadiene	28.5	5.0	ug/L	50.0		57	20-110			
2,4,6-Trichlorophenol	43.8	5.0	ug/L	50.0		88	57-117			
2,4,5-Trichlorophenol	45.6	5.0	ug/L	50.0		91	51-127			
2-Chloronaphthalene	9.11	1.0	ug/L	10.0		91	47-110			
2-Nitroaniline	48.7	5.0	ug/L	50.0		97	57-121			
Dimethyl phthalate	10.4	1.0	ug/L	10.0		104	64-122			
2,6-Dinitrotoluene	10.2	1.0	ug/L	10.0		102	61-116			
Acenaphthylene	8.79	1.0	ug/L	10.0		88	53-110			
3-Nitroaniline	48.5	5.0	ug/L	50.0		97	20-164			
Acenaphthene	11.5	1.0	ug/L	10.0		115	79-146			
2,4-Dinitrophenol	49.1	20	ug/L	50.0		98	40-141			
4-Nitrophenol	51.9	5.0	ug/L	50.0		104	62-140			
Dibenzofuran	9.47	1.0	ug/L	10.0		95	57-112			
2,4-Dinitrotoluene	10.6	1.0	ug/L	10.0		106	60-120			
Diethyl phthalate	10.1	1.0	ug/L	10.0		101	61-127			
Fluorene	9.37	1.0	ug/L	10.0		94	58-117			
4-Chlorophenyl phenyl ether	9.20	1.0	ug/L	10.0		92	53-112			
4-Nitroaniline	49.6	5.0	ug/L	50.0		99	30-120			

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21I003 - 3520C CLLE										
LCS (B21I003-BS1)				Prepared: 09/02/21 Analyzed: 09/08/21						
4,6-Dinitro-2-methylphenol	52.7	5.0	ug/L	50.0		105	60-149			
Diphenyl amine	8.53	1.0	ug/L	10.0		85	21-115			
4-Bromophenyl phenyl ether	9.50	1.0	ug/L	10.0		95	56-110			
Hexachlorobenzene	9.40	1.0	ug/L	10.0		94	55-110			
Pentachlorophenol	38.0	20	ug/L	50.0		76	56-116			
Phenanthrene	9.88	1.0	ug/L	10.0		99	53-123			
Anthracene	9.66	1.0	ug/L	10.0		97	54-122			
Carbazole	9.64	1.0	ug/L	10.0		96	23-126			
Di-n-butyl phthalate	10.7	1.0	ug/L	10.0		107	66-126			
Fluoranthene	10.8	1.0	ug/L	10.0		108	59-124			
Pyrene	9.94	1.0	ug/L	10.0		99	54-133			
Butyl benzyl phthalate	10.3	1.0	ug/L	10.0		103	56-135			
Benzo(a)anthracene	9.76	1.0	ug/L	10.0		98	55-129			
3,3'-Dichlorobenzidine	41.2	5.0	ug/L	50.0		82	20-128			
Chrysene	10.1	1.0	ug/L	10.0		101	58-129			
Bis(2-ethylhexyl) phthalate	10.4	1.0	ug/L	10.0		104	53-152			
Di-n-octyl phthalate	10.1	1.0	ug/L	10.0		101	33-160			
Benzo(b)fluoranthene	9.82	1.0	ug/L	10.0		98	36-151			
Benzo(k)fluoranthene	10.2	1.0	ug/L	10.0		102	36-155			
Benzo(a)pyrene	9.32	1.0	ug/L	10.0		93	36-132			
Indeno(1,2,3-cd)pyrene	9.35	1.0	ug/L	10.0		94	35-151			
Dibenz(a,h)anthracene	9.64	1.0	ug/L	10.0		96	29-165			
Benzo(g,h,i)perylene	9.70	1.0	ug/L	10.0		97	42-147			
Surrogate: 1,4-Dioxane-d8	*3.55*		ug/mL	*5.00*		*71*	*34-110*			
Surrogate: 2-Fluorophenol	*39.9*		ug/mL	*50.0*		*80*	*54-110*			
Surrogate: Phenol-d5	*39.1*		ug/mL	*50.0*		*78*	*29-127*			
Surrogate: 2-Chlorophenol-d4	*42.2*		ug/mL	*50.0*		*84*	*39-121*			
Surrogate: 1,2-Dichlorobenzene-d4	*37.5*		ug/mL	*50.0*		*75*	*31-110*			
Surrogate: Nitrobenzene-d5	*42.6*		ug/mL	*50.0*		*85*	*35-111*			
Surrogate: 2-Fluorobiphenyl	*41.0*		ug/mL	*50.0*		*82*	*32-115*			
Surrogate: 2,4,6-Tribromophenol	*52.4*		ug/mL	*50.0*		*105*	*37-150*			
Surrogate: Terphenyl-d14	*35.1*		ug/mL	*50.0*		*70*	*20-179*			

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21I003 - 3520C CLLE										
Matrix Spike (B21I003-MS1)		**Source: 2108010-15RE2**		Prepared: 09/02/21 Analyzed: 09/08/21						
1,4-Dioxane	65.7	3.3	ug/L	33.3	31.1	104	82-118			
Phenol	134	17	ug/L	166	ND	81	48-110			
Bis(2-chloroethyl)ether	28.6	3.3	ug/L	33.3	ND	86	50-114			
2-Chlorophenol	141	17	ug/L	166	ND	85	52-110			
1,3-Dichlorobenzene	20.0	3.3	ug/L	33.3	ND	60	32-110			
1,4-Dichlorobenzene	21.6	3.3	ug/L	33.3	ND	65	32-110			
Benzyl alcohol	150	17	ug/L	166	ND	90	52-110			
1,2-Dichlorobenzene	29.8	3.3	ug/L	33.3	7.02	69	34-110			
2-Methylphenol	143	17	ug/L	166	ND	86	56-110			
Bis(2-chloro-1-methylethyl) ether	26.6	3.3	ug/L	33.3	ND	80	36-132			
3&4-Methylphenol	158	17	ug/L	166	ND	95	59-117			
N-Nitrosodipropylamine	30.8	3.3	ug/L	33.3	ND	92	54-110			
Hexachloroethane	37.9	3.3	ug/L	33.3	ND	114	27-110			
Nitrobenzene	31.0	3.3	ug/L	33.3	ND	93	55-114			
Isophorone	30.0	3.3	ug/L	33.3	ND	90	56-110			
2-Nitrophenol	155	17	ug/L	166	ND	93	55-111			
2,4-Dimethylphenol	160	17	ug/L	166	ND	96	36-125			
Bis(2-chloroethoxy)methane	29.6	3.3	ug/L	33.3	ND	89	47-114			
2,4-Dichlorophenol	160	17	ug/L	166	ND	96	56-116			
1,2,4-Trichlorobenzene	23.5	3.3	ug/L	33.3	ND	71	32-110			
Naphthalene	39.9	3.3	ug/L	33.3	12.1	84	44-110			
4-Chloroaniline	123	17	ug/L	166	ND	74	20-142			
Hexachlorobutadiene	18.6	3.3	ug/L	33.3	ND	56	26-110			
4-Chloro-3-methylphenol	180	17	ug/L	166	ND	108	52-121			
2-Methylnaphthalene	43.4	3.3	ug/L	33.3	14.0	88	43-110			
Hexachlorocyclopentadiene	71.4	17	ug/L	166	ND	43	20-110			
2,4,6-Trichlorophenol	162	17	ug/L	166	ND	97	57-117			
2,4,5-Trichlorophenol	153	17	ug/L	166	ND	92	51-127			
2-Chloronaphthalene	27.5	3.3	ug/L	33.3	ND	83	47-110			
2-Nitroaniline	153	17	ug/L	166	ND	92	57-121			
Dimethyl phthalate	26.2	3.3	ug/L	33.3	ND	79	64-122			
2,6-Dinitrotoluene	34.1	3.3	ug/L	33.3	ND	102	61-116			
Acenaphthylene	29.0	3.3	ug/L	33.3	ND	87	53-110			
3-Nitroaniline	132	17	ug/L	166	ND	80	20-164			
Acenaphthene	35.3	3.3	ug/L	33.3	ND	106	79-146			
2,4-Dinitrophenol	109	67	ug/L	166	ND	66	40-141			
4-Nitrophenol	147	17	ug/L	166	ND	88	62-140			
Dibenzofuran	31.6	3.3	ug/L	33.3	ND	95	57-112			
2,4-Dinitrotoluene	35.8	3.3	ug/L	33.3	ND	108	60-120			
Diethyl phthalate	26.8	3.3	ug/L	33.3	ND	81	61-127			
Fluorene	33.6	3.3	ug/L	33.3	ND	101	58-117			
4-Chlorophenyl phenyl ether	31.1	3.3	ug/L	33.3	ND	93	53-112			
4-Nitroaniline	101	17	ug/L	166	ND	61	30-120			

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21I003 - 3520C CLLE										
Matrix Spike (B21I003-MS1)		**Source: 2108010-15RE2**		Prepared: 09/02/21 Analyzed: 09/08/21						
4,6-Dinitro-2-methylphenol	152	17	ug/L	166	ND	92	60-149			
Diphenyl amine	28.4	3.3	ug/L	33.3	ND	85	21-115			
4-Bromophenyl phenyl ether	39.2	3.3	ug/L	33.3	ND	118	56-110			
Hexachlorobenzene	38.6	3.3	ug/L	33.3	ND	116	55-110			
Pentachlorophenol	104	67	ug/L	166	ND	62	56-116			
Phenanthrene	39.4	3.3	ug/L	33.3	ND	118	53-123			
Anthracene	35.2	3.3	ug/L	33.3	ND	106	54-122			
Carbazole	40.4	3.3	ug/L	33.3	ND	121	23-126			
Di-n-butyl phthalate	37.4	3.3	ug/L	33.3	ND	112	66-126			
Fluoranthene	40.2	3.3	ug/L	33.3	ND	121	59-124			
Pyrene	38.3	3.3	ug/L	33.3	ND	115	54-133			
Butyl benzyl phthalate	36.1	3.3	ug/L	33.3	ND	109	56-135			
Benzo(a)anthracene	32.5	3.3	ug/L	33.3	ND	98	55-159			
3,3'-Dichlorobenzidine	ND	17	ug/L	166	ND		20-128			U
Chrysene	34.5	3.3	ug/L	33.3	ND	104	58-129			
Bis(2-ethylhexyl) phthalate	34.3	3.3	ug/L	33.3	ND	103	53-152			
Di-n-octyl phthalate	36.7	3.3	ug/L	33.3	ND	110	33-160			
Benzo(b)fluoranthene	33.8	3.3	ug/L	33.3	ND	102	36-151			
Benzo(k)fluoranthene	36.1	3.3	ug/L	33.3	ND	109	36-155			
Benzo(a)pyrene	32.6	3.3	ug/L	33.3	ND	98	36-132			
Indeno(1,2,3-cd)pyrene	32.3	3.3	ug/L	33.3	ND	97	35-151			
Dibenz(a,h)anthracene	34.4	3.3	ug/L	33.3	ND	103	29-165			
Benzo(g,h,i)perylene	34.1	3.3	ug/L	33.3	ND	102	42-147			
Surrogate: 1,4-Dioxane-d8	*3.35*		ug/mL	*5.00*		*67*	*34-110*			
Surrogate: 2-Fluorophenol	*39.3*		ug/mL	*50.0*		*79*	*54-110*			
Surrogate: Phenol-d5	*39.1*		ug/mL	*50.0*		*78*	*29-127*			
Surrogate: 2-Chlorophenol-d4	*41.2*		ug/mL	*50.0*		*82*	*39-121*			
Surrogate: 1,2-Dichlorobenzene-d4	*30.4*		ug/mL	*50.0*		*61*	*31-110*			
Surrogate: Nitrobenzene-d5	*39.7*		ug/mL	*50.0*		*79*	*35-111*			
Surrogate: 2-Fluorobiphenyl	*37.5*		ug/mL	*50.0*		*75*	*32-115*			
Surrogate: 2,4,6-Tribromophenol	*61.3*		ug/mL	*50.0*		*123*	*37-150*			
Surrogate: Terphenyl-d14	*37.1*		ug/mL	*50.0*		*74*	*20-179*			

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21I003 - 3520C CLLE										
Matrix Spike Dup (B21I003-MSD1)		**Source: 2108010-15RE2**		Prepared: 09/02/21 Analyzed: 09/08/21						
1,4-Dioxane	66.0	3.3	ug/L	33.3	31.1	105	82-118	0.5	20	
Phenol	118	17	ug/L	166	ND	71	48-110	12	20	
Bis(2-chloroethyl)ether	24.5	3.3	ug/L	33.3	ND	74	50-114	15	20	
2-Chlorophenol	120	17	ug/L	166	ND	72	52-110	16	20	
1,3-Dichlorobenzene	17.0	3.3	ug/L	33.3	ND	51	32-110	16	20	
1,4-Dichlorobenzene	18.7	3.3	ug/L	33.3	ND	56	32-110	15	20	
Benzyl alcohol	133	17	ug/L	166	ND	80	52-110	12	20	
1,2-Dichlorobenzene	25.9	3.3	ug/L	33.3	7.02	57	34-110	14	20	
2-Methylphenol	126	17	ug/L	166	ND	76	56-110	13	20	
Bis(2-chloro-1-methylethyl) ether	22.3	3.3	ug/L	33.3	ND	67	36-132	18	20	
3&4-Methylphenol	142	17	ug/L	166	ND	86	59-117	10	20	
N-Nitrosodipropylamine	26.5	3.3	ug/L	33.3	ND	80	54-110	15	20	
Hexachloroethane	31.3	3.3	ug/L	33.3	ND	94	27-110	19	20	
Nitrobenzene	27.6	3.3	ug/L	33.3	ND	83	55-114	12	20	
Isophorone	27.7	3.3	ug/L	33.3	ND	83	56-110	8	20	
2-Nitrophenol	142	17	ug/L	166	ND	86	55-111	9	20	
2,4-Dimethylphenol	148	17	ug/L	166	ND	89	36-125	7	20	
Bis(2-chloroethoxy)methane	27.2	3.3	ug/L	33.3	ND	82	47-114	9	20	
2,4-Dichlorophenol	148	17	ug/L	166	ND	89	56-116	7	20	
1,2,4-Trichlorobenzene	21.5	3.3	ug/L	33.3	ND	64	32-110	9	20	
Naphthalene	36.6	3.3	ug/L	33.3	12.1	74	44-110	9	20	
4-Chloroaniline	116	17	ug/L	166	ND	70	20-142	6	20	
Hexachlorobutadiene	16.1	3.3	ug/L	33.3	ND	48	26-110	14	20	
4-Chloro-3-methylphenol	165	17	ug/L	166	ND	99	52-121	9	20	
2-Methylnaphthalene	40.7	3.3	ug/L	33.3	14.0	80	43-110	6	20	
Hexachlorocyclopentadiene	59.2	17	ug/L	166	ND	36	20-110	19	20	
2,4,6-Trichlorophenol	148	17	ug/L	166	ND	89	57-117	9	20	
2,4,5-Trichlorophenol	139	17	ug/L	166	ND	84	51-127	9	20	
2-Chloronaphthalene	25.8	3.3	ug/L	33.3	ND	78	47-110	6	20	
2-Nitroaniline	139	17	ug/L	166	ND	84	57-121	9	20	
Dimethyl phthalate	31.0	3.3	ug/L	33.3	ND	93	64-122	17	20	
2,6-Dinitrotoluene	31.0	3.3	ug/L	33.3	ND	93	61-116	9	20	
Acenaphthylene	26.9	3.3	ug/L	33.3	ND	81	53-110	8	20	
3-Nitroaniline	121	17	ug/L	166	ND	73	20-164	9	20	
Acenaphthene	32.5	3.3	ug/L	33.3	ND	98	79-146	8	20	
2,4-Dinitrophenol	76.2	67	ug/L	166	ND	46	40-141	36	20	
4-Nitrophenol	131	17	ug/L	166	ND	79	62-140	12	20	
Dibenzofuran	29.4	3.3	ug/L	33.3	ND	88	57-112	7	20	
2,4-Dinitrotoluene	32.2	3.3	ug/L	33.3	ND	97	60-120	10	20	
Diethyl phthalate	24.3	3.3	ug/L	33.3	ND	73	61-127	10	20	
Fluorene	30.9	3.3	ug/L	33.3	ND	93	58-117	9	20	
4-Chlorophenyl phenyl ether	28.9	3.3	ug/L	33.3	ND	87	53-112	7	20	
4-Nitroaniline	91.9	17	ug/L	166	ND	55	30-120	9	20	

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B21I003 - 3520C CLLE										
Matrix Spike Dup (B21I003-MSD1)		**Source: 2108010-15RE2**		Prepared: 09/02/21 Analyzed: 09/08/21						
4,6-Dinitro-2-methylphenol	162	17	ug/L	166	ND	98	60-149	6	20	
Diphenyl amine	31.7	3.3	ug/L	33.3	ND	95	21-115	11	20	
4-Bromophenyl phenyl ether	33.7	3.3	ug/L	33.3	ND	101	56-110	15	20	
Hexachlorobenzene	33.9	3.3	ug/L	33.3	ND	102	55-110	13	20	
Pentachlorophenol	81.1	67	ug/L	166	ND	49	56-116	24	20	
Phenanthrene	33.1	3.3	ug/L	33.3	ND	100	53-123	17	20	
Anthracene	30.4	3.3	ug/L	33.3	ND	92	54-122	15	20	
Carbazole	36.3	3.3	ug/L	33.3	ND	109	23-126	11	20	
Di-n-butyl phthalate	32.9	3.3	ug/L	33.3	ND	99	66-126	13	20	
Fluoranthene	36.4	3.3	ug/L	33.3	ND	109	59-124	10	20	
Pyrene	31.4	3.3	ug/L	33.3	ND	94	54-133	20	20	
Butyl benzyl phthalate	31.2	3.3	ug/L	33.3	ND	94	56-135	15	20	
Benzo(a)anthracene	29.9	3.3	ug/L	33.3	ND	90	55-159	8	20	
3,3'-Dichlorobenzidine	ND	17	ug/L	166	ND		20-128		20	U
Chrysene	30.4	3.3	ug/L	33.3	ND	91	58-129	13	20	
Bis(2-ethylhexyl) phthalate	31.2	3.3	ug/L	33.3	ND	94	53-152	10	20	
Di-n-octyl phthalate	32.0	3.3	ug/L	33.3	ND	96	33-160	14	20	
Benzo(b)fluoranthene	32.6	3.3	ug/L	33.3	ND	98	36-151	4	20	
Benzo(k)fluoranthene	30.1	3.3	ug/L	33.3	ND	90	36-155	18	20	
Benzo(a)pyrene	29.1	3.3	ug/L	33.3	ND	87	36-132	11	20	
Indeno(1,2,3-cd)pyrene	30.0	3.3	ug/L	33.3	ND	90	35-151	8	20	
Dibenz(a,h)anthracene	31.0	3.3	ug/L	33.3	ND	93	29-165	10	20	
Benzo(g,h,i)perylene	30.7	3.3	ug/L	33.3	ND	92	42-147	10	20	
Surrogate: 1,4-Dioxane-d8	*2.69*		ug/mL	*5.00*		*54*	*34-110*			
Surrogate: 2-Fluorophenol	*31.9*		ug/mL	*50.0*		*64*	*54-110*			
Surrogate: Phenol-d5	*33.7*		ug/mL	*50.0*		*67*	*29-127*			
Surrogate: 2-Chlorophenol-d4	*35.2*		ug/mL	*50.0*		*70*	*39-121*			
Surrogate: 1,2-Dichlorobenzene-d4	*27.4*		ug/mL	*50.0*		*55*	*31-110*			
Surrogate: Nitrobenzene-d5	*35.7*		ug/mL	*50.0*		*71*	*35-111*			
Surrogate: 2-Fluorobiphenyl	*35.5*		ug/mL	*50.0*		*71*	*32-115*			
Surrogate: 2,4,6-Tribromophenol	*54.0*		ug/mL	*50.0*		*108*	*37-150*			
Surrogate: Terphenyl-d14	*33.3*		ug/mL	*50.0*		*67*	*20-179*			

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H044 - B21H030										
Instrument Blank (S21H044-IBL1)				Prepared & Analyzed: 08/18/21						
1,4-Dioxane	ND	1.0	ug/mL							U
Phenol	ND	5.0	ug/mL							U
Bis(2-chloroethyl)ether	ND	1.0	ug/mL							U
2-Chlorophenol	ND	5.0	ug/mL							U
1,3-Dichlorobenzene	ND	1.0	ug/mL							U
1,4-Dichlorobenzene	ND	1.0	ug/mL							U
Benzyl alcohol	ND	5.0	ug/mL							U
1,2-Dichlorobenzene	ND	1.0	ug/mL							U
2-Methylphenol	ND	5.0	ug/mL							U
Bis(2-chloro-1-methylethyl) ether	ND	1.0	ug/mL							U
3&4-Methylphenol	ND	5.0	ug/mL							U
N-Nitrosodipropylamine	ND	1.0	ug/mL							U
Hexachloroethane	ND	1.0	ug/mL							U
Nitrobenzene	ND	1.0	ug/mL							U
Isophorone	ND	1.0	ug/mL							U
2-Nitrophenol	ND	5.0	ug/mL							U
2,4-Dimethylphenol	ND	5.0	ug/mL							U
Bis(2-chloroethoxy)methane	ND	1.0	ug/mL							U
2,4-Dichlorophenol	ND	5.0	ug/mL							U
1,2,4-Trichlorobenzene	ND	1.0	ug/mL							U
Naphthalene	ND	1.0	ug/mL							U
4-Chloroaniline	ND	5.0	ug/mL							U
Hexachlorobutadiene	ND	1.0	ug/mL							U
4-Chloro-3-methylphenol	ND	5.0	ug/mL							U
2-Methylnaphthalene	ND	1.0	ug/mL							U
Hexachlorocyclopentadiene	ND	5.0	ug/mL							U
2,4,6-Trichlorophenol	ND	5.0	ug/mL							U
2,4,5-Trichlorophenol	ND	5.0	ug/mL							U
2-Chloronaphthalene	ND	1.0	ug/mL							U
2-Nitroaniline	ND	5.0	ug/mL							U
Dimethyl phthalate	ND	1.0	ug/mL							U
2,6-Dinitrotoluene	ND	1.0	ug/mL							U
Acenaphthylene	ND	1.0	ug/mL							U
3-Nitroaniline	ND	5.0	ug/mL							U
Acenaphthene	ND	1.0	ug/mL							U
2,4-Dinitrophenol	ND	20	ug/mL							U
4-Nitrophenol	ND	5.0	ug/mL							U
Dibenzofuran	ND	1.0	ug/mL							U
2,4-Dinitrotoluene	ND	1.0	ug/mL							U
Diethyl phthalate	ND	1.0	ug/mL							U
Fluorene	ND	1.0	ug/mL							U
4-Chlorophenyl phenyl ether	ND	1.0	ug/mL							U
4-Nitroaniline	ND	5.0	ug/mL							U

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
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Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H044 - B21H030										
Instrument Blank (S21H044-IBL1)				Prepared & Analyzed: 08/18/21						
4,6-Dinitro-2-methylphenol	ND	5.0	ug/mL							U
Diphenyl amine	ND	1.0	ug/mL							U
4-Bromophenyl phenyl ether	ND	1.0	ug/mL							U
Hexachlorobenzene	ND	1.0	ug/mL							U
Pentachlorophenol	ND	20	ug/mL							U
Phenanthrene	ND	1.0	ug/mL							U
Anthracene	ND	1.0	ug/mL							U
Carbazole	ND	1.0	ug/mL							U
Di-n-butyl phthalate	ND	1.0	ug/mL							U
Fluoranthene	ND	1.0	ug/mL							U
Pyrene	ND	1.0	ug/mL							U
Butyl benzyl phthalate	ND	1.0	ug/mL							U
Benzo(a)anthracene	ND	1.0	ug/mL							U
3,3'-Dichlorobenzidine	ND	5.0	ug/mL							U
Chrysene	ND	1.0	ug/mL							U
Bis(2-ethylhexyl) phthalate	ND	1.0	ug/mL							U
Di-n-octyl phthalate	ND	1.0	ug/mL							U
Benzo(b)fluoranthene	ND	1.0	ug/mL							U
Benzo(k)fluoranthene	ND	1.0	ug/mL							U
Benzo(a)pyrene	ND	1.0	ug/mL							U
Indeno(1,2,3-cd)pyrene	ND	1.0	ug/mL							U
Dibenz(a,h)anthracene	ND	1.0	ug/mL							U
Benzo(g,h,i)perylene	ND	1.0	ug/mL							U
Surrogate: 1,4-Dioxane-d8	*0.00*		ug/mL				*34-110*			*U*
Surrogate: 2-Fluorophenol	*0.00*		ug/mL				*54-110*			*U*
Surrogate: Phenol-d5	*0.00*		ug/mL				*29-127*			*U*
Surrogate: 2-Chlorophenol-d4	*0.00*		ug/mL				*39-121*			*U*
Surrogate: 1,2-Dichlorobenzene-d4	*10.0*		ug/mL				*31-110*			
Surrogate: Nitrobenzene-d5	*0.00*		ug/mL				*35-111*			*U*
Surrogate: 2-Fluorobiphenyl	*0.00*		ug/mL				*32-115*			*U*
Surrogate: 2,4,6-Tribromophenol	*0.00*		ug/mL				*37-150*			*U*
Surrogate: Terphenyl-d14	*30.0*		ug/mL				*20-179*			

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Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder: 2108010**
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 09:35
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H044 - B21H030										
Instrument Blank (S21H044-IBL2)				Prepared & Analyzed: 08/18/21						
1,4-Dioxane	ND	1.0	ug/mL							U
Phenol	ND	5.0	ug/mL							U
Bis(2-chloroethyl)ether	ND	1.0	ug/mL							U
2-Chlorophenol	ND	5.0	ug/mL							U
1,3-Dichlorobenzene	ND	1.0	ug/mL							U
1,4-Dichlorobenzene	ND	1.0	ug/mL							U
Benzyl alcohol	ND	5.0	ug/mL							U
1,2-Dichlorobenzene	ND	1.0	ug/mL							U
2-Methylphenol	ND	5.0	ug/mL							U
Bis(2-chloro-1-methylethyl) ether	ND	1.0	ug/mL							U
3&4-Methylphenol	ND	5.0	ug/mL							U
N-Nitrosodipropylamine	ND	1.0	ug/mL							U
Hexachloroethane	ND	1.0	ug/mL							U
Nitrobenzene	ND	1.0	ug/mL							U
Isophorone	ND	1.0	ug/mL							U
2-Nitrophenol	ND	5.0	ug/mL							U
2,4-Dimethylphenol	ND	5.0	ug/mL							U
Bis(2-chloroethoxy)methane	ND	1.0	ug/mL							U
2,4-Dichlorophenol	ND	5.0	ug/mL							U
1,2,4-Trichlorobenzene	ND	1.0	ug/mL							U
Naphthalene	ND	1.0	ug/mL							U
4-Chloroaniline	ND	5.0	ug/mL							U
Hexachlorobutadiene	ND	1.0	ug/mL							U
4-Chloro-3-methylphenol	ND	5.0	ug/mL							U
2-Methylnaphthalene	ND	1.0	ug/mL							U
Hexachlorocyclopentadiene	ND	5.0	ug/mL							U
2,4,6-Trichlorophenol	ND	5.0	ug/mL							U
2,4,5-Trichlorophenol	ND	5.0	ug/mL							U
2-Chloronaphthalene	ND	1.0	ug/mL							U
2-Nitroaniline	ND	5.0	ug/mL							U
Dimethyl phthalate	ND	1.0	ug/mL							U
2,6-Dinitrotoluene	ND	1.0	ug/mL							U
Acenaphthylene	ND	1.0	ug/mL							U
3-Nitroaniline	ND	5.0	ug/mL							U
Acenaphthene	ND	1.0	ug/mL							U
2,4-Dinitrophenol	ND	20	ug/mL							U
4-Nitrophenol	ND	5.0	ug/mL							U
Dibenzofuran	ND	1.0	ug/mL							U
2,4-Dinitrotoluene	ND	1.0	ug/mL							U
Diethyl phthalate	ND	1.0	ug/mL							U
Fluorene	ND	1.0	ug/mL							U
4-Chlorophenyl phenyl ether	ND	1.0	ug/mL							U
4-Nitroaniline	ND	5.0	ug/mL							U

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EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H044 - B21H030										
Instrument Blank (S21H044-IBL2)				Prepared & Analyzed: 08/18/21						
4,6-Dinitro-2-methylphenol	ND	5.0	ug/mL							U
Diphenyl amine	ND	1.0	ug/mL							U
4-Bromophenyl phenyl ether	ND	1.0	ug/mL							U
Hexachlorobenzene	ND	1.0	ug/mL							U
Pentachlorophenol	ND	20	ug/mL							U
Phenanthrene	ND	1.0	ug/mL							U
Anthracene	ND	1.0	ug/mL							U
Carbazole	ND	1.0	ug/mL							U
Di-n-butyl phthalate	ND	1.0	ug/mL							U
Fluoranthene	ND	1.0	ug/mL							U
Pyrene	ND	1.0	ug/mL							U
Butyl benzyl phthalate	ND	1.0	ug/mL							U
Benzo(a)anthracene	ND	1.0	ug/mL							U
3,3'-Dichlorobenzidine	ND	5.0	ug/mL							U
Chrysene	ND	1.0	ug/mL							U
Bis(2-ethylhexyl) phthalate	ND	1.0	ug/mL							U
Di-n-octyl phthalate	ND	1.0	ug/mL							U
Benzo(b)fluoranthene	ND	1.0	ug/mL							U
Benzo(k)fluoranthene	ND	1.0	ug/mL							U
Benzo(a)pyrene	ND	1.0	ug/mL							U
Indeno(1,2,3-cd)pyrene	ND	1.0	ug/mL							U
Dibenz(a,h)anthracene	ND	1.0	ug/mL							U
Benzo(g,h,i)perylene	ND	1.0	ug/mL							U
Surrogate: 1,4-Dioxane-d8	*0.00*		ug/mL				*34-110*			*U*
Surrogate: 2-Fluorophenol	*0.00*		ug/mL				*54-110*			*U*
Surrogate: Phenol-d5	*0.00*		ug/mL				*29-127*			*U*
Surrogate: 2-Chlorophenol-d4	*0.00*		ug/mL				*39-121*			*U*
Surrogate: 1,2-Dichlorobenzene-d4	*10.0*		ug/mL				*31-110*			
Surrogate: Nitrobenzene-d5	*0.00*		ug/mL				*35-111*			*U*
Surrogate: 2-Fluorobiphenyl	*0.00*		ug/mL				*32-115*			*U*
Surrogate: 2,4,6-Tribromophenol	*0.00*		ug/mL				*37-150*			*U*
Surrogate: Terphenyl-d14	*20.0*		ug/mL				*20-179*			

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Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

EPA Region 9 Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H078 - B21H042										
Instrument Blank (S21H078-IBL1)				Prepared: 08/31/21 Analyzed: 09/01/21						
1,4-Dioxane	ND	1.0	ug/mL							U
Phenol	ND	5.0	ug/mL							U
Bis(2-chloroethyl)ether	ND	1.0	ug/mL							U
2-Chlorophenol	ND	5.0	ug/mL							U
1,3-Dichlorobenzene	ND	1.0	ug/mL							U
1,4-Dichlorobenzene	ND	1.0	ug/mL							U
Benzyl alcohol	ND	5.0	ug/mL							U
1,2-Dichlorobenzene	ND	1.0	ug/mL							U
2-Methylphenol	ND	5.0	ug/mL							U
Bis(2-chloro-1-methylethyl) ether	ND	1.0	ug/mL							U
3&4-Methylphenol	ND	5.0	ug/mL							U
N-Nitrosodipropylamine	ND	1.0	ug/mL							U
Hexachloroethane	ND	1.0	ug/mL							U
Nitrobenzene	ND	1.0	ug/mL							U
Isophorone	ND	1.0	ug/mL							U
2-Nitrophenol	ND	5.0	ug/mL							U
2,4-Dimethylphenol	ND	5.0	ug/mL							U
Bis(2-chloroethoxy)methane	ND	1.0	ug/mL							U
2,4-Dichlorophenol	ND	5.0	ug/mL							U
1,2,4-Trichlorobenzene	ND	1.0	ug/mL							U
Naphthalene	ND	1.0	ug/mL							U
4-Chloroaniline	ND	5.0	ug/mL							U
Hexachlorobutadiene	ND	1.0	ug/mL							U
4-Chloro-3-methylphenol	ND	5.0	ug/mL							U
2-Methylnaphthalene	ND	1.0	ug/mL							U
Hexachlorocyclopentadiene	ND	5.0	ug/mL							U
2,4,6-Trichlorophenol	ND	5.0	ug/mL							U
2,4,5-Trichlorophenol	ND	5.0	ug/mL							U
2-Chloronaphthalene	ND	1.0	ug/mL							U
2-Nitroaniline	ND	5.0	ug/mL							U
Dimethyl phthalate	ND	1.0	ug/mL							U
2,6-Dinitrotoluene	ND	1.0	ug/mL							U
Acenaphthylene	ND	1.0	ug/mL							U
3-Nitroaniline	ND	5.0	ug/mL							U
Acenaphthene	ND	1.0	ug/mL							U
2,4-Dinitrophenol	ND	20	ug/mL							U
4-Nitrophenol	ND	5.0	ug/mL							U
Dibenzofuran	ND	1.0	ug/mL							U
2,4-Dinitrotoluene	ND	1.0	ug/mL							U
Diethyl phthalate	ND	1.0	ug/mL							U
Fluorene	ND	1.0	ug/mL							U
4-Chlorophenyl phenyl ether	ND	1.0	ug/mL							U
4-Nitroaniline	ND	5.0	ug/mL							U

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H078 - B21H042										
Instrument Blank (S21H078-IBL1)				Prepared: 08/31/21 Analyzed: 09/01/21						
4,6-Dinitro-2-methylphenol	ND	5.0	ug/mL							U
Diphenyl amine	ND	1.0	ug/mL							U
4-Bromophenyl phenyl ether	ND	1.0	ug/mL							U
Hexachlorobenzene	ND	1.0	ug/mL							U
Pentachlorophenol	ND	20	ug/mL							U
Phenanthrene	ND	1.0	ug/mL							U
Anthracene	ND	1.0	ug/mL							U
Carbazole	ND	1.0	ug/mL							U
Di-n-butyl phthalate	ND	1.0	ug/mL							U
Fluoranthene	ND	1.0	ug/mL							U
Pyrene	ND	1.0	ug/mL							U
Butyl benzyl phthalate	ND	1.0	ug/mL							U
Benzo(a)anthracene	ND	1.0	ug/mL							U
3,3'-Dichlorobenzidine	ND	5.0	ug/mL							U
Chrysene	ND	1.0	ug/mL							U
Bis(2-ethylhexyl) phthalate	ND	1.0	ug/mL							U
Di-n-octyl phthalate	ND	1.0	ug/mL							U
Benzo(b)fluoranthene	ND	1.0	ug/mL							U
Benzo(k)fluoranthene	ND	1.0	ug/mL							U
Benzo(a)pyrene	ND	1.0	ug/mL							U
Indeno(1,2,3-cd)pyrene	ND	1.0	ug/mL							U
Dibenz(a,h)anthracene	ND	1.0	ug/mL							U
Benzo(g,h,i)perylene	ND	1.0	ug/mL							U
Surrogate: 1,4-Dioxane-d8	*0.00*		ug/mL				*34-110*			*U*
Surrogate: 2-Fluorophenol	*0.00*		ug/mL				*54-110*			*U*
Surrogate: Phenol-d5	*0.00*		ug/mL				*29-127*			*U*
Surrogate: 2-Chlorophenol-d4	*0.00*		ug/mL				*39-121*			*U*
Surrogate: 1,2-Dichlorobenzene-d4	*0.00*		ug/mL				*31-110*			*U*
Surrogate: Nitrobenzene-d5	*0.00*		ug/mL				*35-111*			*U*
Surrogate: 2-Fluorobiphenyl	*0.00*		ug/mL				*32-115*			*U*
Surrogate: 2,4,6-Tribromophenol	*0.00*		ug/mL				*37-150*			*U*
Surrogate: Terphenyl-d14	*0.00*		ug/mL				*20-179*			*U*

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Batch S21H078 - B21H042										
Instrument Blank (S21H078-IBL2)				Prepared: 08/31/21 Analyzed: 09/01/21						
1,4-Dioxane	ND	1.0	ug/mL							U
Phenol	ND	5.0	ug/mL							U
Bis(2-chloroethyl)ether	ND	1.0	ug/mL							U
2-Chlorophenol	ND	5.0	ug/mL							U
1,3-Dichlorobenzene	ND	1.0	ug/mL							U
1,4-Dichlorobenzene	ND	1.0	ug/mL							U
Benzyl alcohol	ND	5.0	ug/mL							U
1,2-Dichlorobenzene	ND	1.0	ug/mL							U
2-Methylphenol	ND	5.0	ug/mL							U
Bis(2-chloro-1-methylethyl) ether	ND	1.0	ug/mL							U
3&4-Methylphenol	ND	5.0	ug/mL							U
N-Nitrosodipropylamine	ND	1.0	ug/mL							U
Hexachloroethane	ND	1.0	ug/mL							U
Nitrobenzene	ND	1.0	ug/mL							U
Isophorone	ND	1.0	ug/mL							U
2-Nitrophenol	ND	5.0	ug/mL							U
2,4-Dimethylphenol	ND	5.0	ug/mL							U
Bis(2-chloroethoxy)methane	ND	1.0	ug/mL							U
2,4-Dichlorophenol	ND	5.0	ug/mL							U
1,2,4-Trichlorobenzene	ND	1.0	ug/mL							U
Naphthalene	ND	1.0	ug/mL							U
4-Chloroaniline	ND	5.0	ug/mL							U
Hexachlorobutadiene	ND	1.0	ug/mL							U
4-Chloro-3-methylphenol	ND	5.0	ug/mL							U
2-Methylnaphthalene	ND	1.0	ug/mL							U
Hexachlorocyclopentadiene	ND	5.0	ug/mL							U
2,4,6-Trichlorophenol	ND	5.0	ug/mL							U
2,4,5-Trichlorophenol	ND	5.0	ug/mL							U
2-Chloronaphthalene	ND	1.0	ug/mL							U
2-Nitroaniline	ND	5.0	ug/mL							U
Dimethyl phthalate	ND	1.0	ug/mL							U
2,6-Dinitrotoluene	ND	1.0	ug/mL							U
Acenaphthylene	ND	1.0	ug/mL							U
3-Nitroaniline	ND	5.0	ug/mL							U
Acenaphthene	ND	1.0	ug/mL							U
2,4-Dinitrophenol	ND	20	ug/mL							U
4-Nitrophenol	ND	5.0	ug/mL							U
Dibenzofuran	ND	1.0	ug/mL							U
2,4-Dinitrotoluene	ND	1.0	ug/mL							U
Diethyl phthalate	ND	1.0	ug/mL							U
Fluorene	ND	1.0	ug/mL							U
4-Chlorophenyl phenyl ether	ND	1.0	ug/mL							U
4-Nitroaniline	ND	5.0	ug/mL							U

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch S21H078 - B21H042										
Instrument Blank (S21H078-IBL2)				Prepared: 08/31/21 Analyzed: 09/01/21						
4,6-Dinitro-2-methylphenol	ND	5.0	ug/mL							U
Diphenyl amine	ND	1.0	ug/mL							U
4-Bromophenyl phenyl ether	ND	1.0	ug/mL							U
Hexachlorobenzene	ND	1.0	ug/mL							U
Pentachlorophenol	ND	20	ug/mL							U
Phenanthrene	ND	1.0	ug/mL							U
Anthracene	ND	1.0	ug/mL							U
Carbazole	ND	1.0	ug/mL							U
Di-n-butyl phthalate	ND	1.0	ug/mL							U
Fluoranthene	ND	1.0	ug/mL							U
Pyrene	ND	1.0	ug/mL							U
Butyl benzyl phthalate	ND	1.0	ug/mL							U
Benzo(a)anthracene	ND	1.0	ug/mL							U
3,3'-Dichlorobenzidine	ND	5.0	ug/mL							U
Chrysene	ND	1.0	ug/mL							U
Bis(2-ethylhexyl) phthalate	ND	1.0	ug/mL							U
Di-n-octyl phthalate	ND	1.0	ug/mL							U
Benzo(b)fluoranthene	ND	1.0	ug/mL							U
Benzo(k)fluoranthene	ND	1.0	ug/mL							U
Benzo(a)pyrene	ND	1.0	ug/mL							U
Indeno(1,2,3-cd)pyrene	ND	1.0	ug/mL							U
Dibenz(a,h)anthracene	ND	1.0	ug/mL							U
Benzo(g,h,i)perylene	ND	1.0	ug/mL							U
Surrogate: 1,4-Dioxane-d8	*0.00*		ug/mL				*34-110*			*U*
Surrogate: 2-Fluorophenol	*0.00*		ug/mL				*54-110*			*U*
Surrogate: Phenol-d5	*0.00*		ug/mL				*29-127*			*U*
Surrogate: 2-Chlorophenol-d4	*0.00*		ug/mL				*39-121*			*U*
Surrogate: 1,2-Dichlorobenzene-d4	*0.00*		ug/mL				*31-110*			*U*
Surrogate: Nitrobenzene-d5	*0.00*		ug/mL				*35-111*			*U*
Surrogate: 2-Fluorobiphenyl	*0.00*		ug/mL				*32-115*			*U*
Surrogate: 2,4,6-Tribromophenol	*0.00*		ug/mL				*37-150*			*U*
Surrogate: Terphenyl-d14	*0.00*		ug/mL				*20-179*			*U*

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Qualifiers and Comments

Q7 Surrogate spike recoveries for this sample were outside control limits.

Q6 Matrix spike/matrix spike duplicate precision criteria were not met for this analyte (see MS/MSD results for this batch in QC summary).

Q4 The matrix spike and/or matrix spike duplicate associated with this sample did not meet recovery criteria for this analyte (see MS/MSD results for this batch in QC summary)

Q3 The quantitation limit standard did not meet recovery criteria for this analyte.

Q2 The laboratory control standard associated with this sample did not meet recovery criteria for this analyte (see LCS results for this batch in QC summary).

J The reported result for this analyte should be considered an estimated value.

C4 The calibration verification check did not meet % difference criteria for this analyte.

C3 The initial calibration for this analyte did not meet calibration criteria.

C1 The reported concentration for this analyte is below the quantitation limit.

A3 The sample was prepped/analyzed past the recommended holding time.

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.

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Sample Receiving:
Received 2 containers for AMCO-X-49-081121-I for dissolved metals not listed on COC. Sample logged in for dissolved metals analysis. Received 5 bottles for SVOCs and 11 VOA vials for VOCs for sample AMCO-X-49-081121-I. All dissolved metals sample containers received unpreserved, preserved upon receipt.

Metals: B21H039-BLK1 greater than 1/2 the ICP/MS QL for arsenic (0.30ug/L) . Report As >5x the blank and re-prepped the ones <5x. - OS 09/09/21

SVOC: Sample 2108010-15 initial analysis showed high background contamination which in turn caused instrument contamination and subsequent QC failures. The sample was also assigned as MS/MSD. The sample was re-extracted outside of hold time using smaller volume for both sample and QC. Re-extraction/reanalysis results will be utilized. ZAR 09/16/21

WORK ORDER

Printed: 8/12/2021 9:44:14AM

2108010

EPA Region 9 Laboratory

Client: California Site Cleanup Section 2
Project: AMCO August 2021 Groundwater Monitoring
Project Number: R21S29

Report To:
California Site Cleanup Section 2
Fatima Ty
75 Hawthorne Street
San Francisco, CA 94105
Phone: (415) 972-3550
Fax: xx

Project Contact
Oneida Total Integrated Enterprises (Ventura)
Eric Foote
317 E. Main Street
Ventura, CA 93003
Phone :614-374-2729
Fax: (805) 585-2110

Shipping Containers	Description	Temp C	Custody Seals?	Containers Intact?	Labels COC Agree?	Preservation Confirmed?	Received on Ice?	Comments
Cooler 1	Cooler	5	No	Yes	Yes	No	Yes	
Cooler 2	Cooler	5	No	Yes	Yes	No	Yes	
Cooler 3	Cooler	3	No	Yes	No	No	Yes	
Cooler 4	Cooler	2	No	Yes	Yes	No	Yes	

Date Due:	09/10/21 17:00 (30 day TAT)	SDG:	21223A
Received By:	Junn Masongsong	Date Received:	08/11/21 16:06
Logged In By:	Junn Masongsong	Date Logged In:	08/11/21 16:18

Analysis	Hold Time Expires	Comments
2108010-01 AMCO-RMW-06-61-081121 [Water] Sampled 08/11/21 08:50 (GMT-08:00) Pacific Time (US &		
Metals, ICP/MS, Dissolved	02/07/22	As, Co, Mn, Ni, and Se only
Metals by 200.7, Dissolved	02/07/22	As, Co, Fe, Mn, Ni, and Se only
VOCs	08/25/21	No TICs, routine list
SVOCs	08/18/21	No TICs, routine list only
2108010-02 AMCO-RMW-17-70-081121 [Water] Sampled 08/11/21 10:45 (GMT-08:00) Pacific Time (US &		
SVOCs	08/18/21	No TICs, routine list only
VOCs	08/25/21	No TICs, routine list
2108010-03 AMCO-RMW-17-35-081121 [Water] Sampled 08/11/21 11:40 (GMT-08:00) Pacific Time (US &		
SVOCs	08/18/21	No TICs, routine list only
VOCs	08/25/21	No TICs, routine list
2108010-04 AMCO-RMW-06-15-081121 [Water] Sampled 08/11/21 08:44 (GMT-08:00) Pacific Time (US &		
VOCs	08/25/21	No TICs, routine list
Metals, ICP/MS, Dissolved	02/07/22	As, Co, Mn, Ni, and Se only
SVOCs	08/18/21	No TICs, routine list only
Metals by 200.7, Dissolved	02/07/22	As, Co, Fe, Mn, Ni, and Se only

2108010

EPA Region 9 Laboratory

Client: California Site Cleanup Section 2 **Project Number:** R21S29
Project: AMCO August 2021 Groundwater Monitoring

Analysis	Hold Time Expires	Comments

Analysis	Expires	Comments
2108010-05 AMCO-RMW-16-35-081121 [Water] Sampled 08/11/21 10:00 (GMT-08:00) Pacific Time (US &		
SVOCs	08/18/21	No TICs, routine list only
VOCs	08/25/21	No TICs, routine list
2108010-06 AMCO-RMW-16-61-081121 [Water] Sampled 08/11/21 11:21 (GMT-08:00) Pacific Time (US &		
VOCs	08/25/21	No TICs, routine list
SVOCs	08/18/21	No TICs, routine list only
2108010-07 AMCO-RMW-06-35-081121 [Water] Sampled 08/11/21 08:56 (GMT-08:00) Pacific Time (US &		
Metals, ICP/MS, Dissolved	02/07/22	As, Co, Mn, Ni, and Se only
SVOCs	08/18/21	No TICs, routine list only
Metals by 200.7, Dissolved	02/07/22	As, Co, Fe, Mn, Ni, and Se only
VOCs	08/25/21	No TICs, routine list
2108010-08 AMCO-RMW-16W-15-081121 [Water] Sampled 08/11/21 10:25 (GMT-08:00) Pacific Time (US &		
SVOCs	08/18/21	No TICs, routine list only
VOCs	08/25/21	No TICs, routine list
2108010-09 AMCO-081121-TB [Water] Sampled 08/11/21 09:43 (GMT-08:00) Pacific Time (US &		
VOCs	08/25/21	No TICs, routine list
2108010-10 Dup 8-081121 [Water] Sampled 08/11/21 10:30 (GMT-08:00) Pacific Time (US &		
SVOCs	08/18/21	No TICs, routine list only
VOCs	08/25/21	No TICs, routine list
2108010-11 AMCO-X-46-081121-S [Water] Sampled 08/11/21 14:30 (GMT-08:00) Pacific Time (US &		
VOCs	08/25/21	No TICs, routine list
SVOCs	08/18/21	No TICs, routine list only

2108010

EPA Region 9 Laboratory

Client: California Site Cleanup Section 2 **Project Number:** R21S29
Project: AMCO August 2021 Groundwater Monitoring

Analysis	Hold Time Expires	Comments

Analysis	Expires	Comments

2108010-12 AMCO-X-46-081121-I [Water] Sampled 08/11/21 14:05
(GMT-08:00) Pacific Time (US &

SVOCs	08/18/21	No TICs, routine list only
VOCs	08/25/21	No TICs, routine list

2108010-13 AMCO-X-46-081121-D [Water] Sampled 08/11/21 13:40
(GMT-08:00) Pacific Time (US &

SVOCs	08/18/21	No TICs, routine list only
VOCs	08/25/21	No TICs, routine list

2108010-14 AMCO-X-49-081121-D [Water] Sampled 08/11/21 12:00
(GMT-08:00) Pacific Time (US &

SVOCs	08/18/21	No TICs, routine list only
VOCs	08/25/21	No TICs, routine list

2108010-15 AMCO-X-49-081121-I [Water] Sampled 08/11/21 14:05 **MS/MSD**
(GMT-08:00) Pacific Time (US &

Metals by 200.7, Dissolved	02/07/22	As, Co, Fe, Mn, Ni, and Se only
SVOCs	08/18/21	No TICs, routine list only
VOCs	08/25/21	No TICs, routine list
Metals, ICP/MS, Dissolved	02/07/22	As, Co, Mn, Ni, and Se only

2108010-16 AMCO-X-49-081121-S [Water] Sampled 08/11/21 14:58
(GMT-08:00) Pacific Time (US &

SVOCs	08/18/21	No TICs, routine list only
VOCs	08/25/21	No TICs, routine list

2108010-17 AMCO-X-50-D-081121 [Water] Sampled 08/11/21 14:31
(GMT-08:00) Pacific Time (US &

SVOCs	08/18/21	No TICs, routine list only
VOCs	08/25/21	No TICs, routine list

2108010-18 AMCO-X-50-S-081121 [Water] Sampled 08/11/21 13:39
(GMT-08:00) Pacific Time (US &

VOCs	08/25/21	No TICs, routine list
SVOCs	08/18/21	No TICs, routine list only

WORK ORDER

Printed: 8/12/2021 9:44:14AM

2108010

EPA Region 9 Laboratory

Client: California Site Cleanup Section 2 **Project Number:** R21S29
Project: AMCO August 2021 Groundwater Monitoring

Analysis	Hold Time Expires	Comments

Analysis	Expires	Comments
2108010-19 AMCO-X-50-I-081121 [Water] Sampled 08/11/21 14:06 (GMT-08:00) Pacific Time (US &		
VOCs	08/25/21	No TICs, routine list
SVOCs	08/18/21	No TICs, routine list only

Reviewed By

Date

R9 CHAIN OF CUSTODY

___ of ___

Report To:

Contact: Eric Foote/Lindsey Larsen

Company: OTIE

Phone: 614-374-2729/ 951-259-2315

E-Mail:
EFoote@oescgroup.com/LLarsen@oescgroup.com

Ship to Lab:

Attn: Sample Custodian

Organization: EPA Region 9 Laboratory

Address: 1337 South 46th Street, Bldg 201
Richmond, CA 94804

Phone: 510-412-2389

Shaded Areas For Internal Use Only ***Page***

OTIE
An Oneida Nation Company
1777 N California Blvd, Suite 310
Walnut Creek, 94596
Phone: (925) 906-9698

Lab Lot #

Package Sealed Yes No	Samples Sealed Yes No
Received on Ice Yes No	Samples Intact Yes No
Temperature °C	of Cooler
Within Hold Time Yes No	Preserv. indicated Yes No NA
pH Check ok Yes No NA	Res. Cl_2 Check ok Yes No NA
Sample Labels and COC Agree Yes No COC not present	

Sampler Name:

Signature:

Project Name: AMCO Superfund Site 2021 Groundwater Monitoring Event

OTIE Project Number: 2017097
R9 Lab Project Number: R21S29

Project Location: Oakland, CA

TAT: standard

R9RSCC: Susan Lepe

Laboratory ID	MS MSD	Client Sample ID	Sampling Date	Sampling Time	Mtx	# Containers	VOCs (8260B) – HCl preserved	SVOCs (8270C)	Diss. Metals (200.7; 200.8) – As, Co, Fe, Mn, Ni, Se - Field Filtered & HNO3 preserved			Additional Analyses / Remarks
		AMCO-RMW-06-61-081121	08/11/21	850	W	6	X	X	X			
		AMCO-RMW-17-70-081121	08/11/21	1045	W	5	X	X				
		AMCO-RMW-17-35-081121	08/11/21	1140	W	5	X	X				
		AMCO-RMW-06-15-081121	08/11/21	844	W	6	X	X	X			
		AMCO-RMW-16-35-081121	08/11/21	1000	W	5	X	X				
		AMCO-RMW-16-61-081121	08/11/21	1121	W	5	X	X				
		AMCO-RMW-06-35-081121	08/11/21	856	W	6	X	X	X			
		AMCO-RMW-16W-15-081121	08/11/21	1025	W	5	X	X				
		~~AMCO-RMW~~ J.K.										
		AMCO-081121-TB	08/11/21	943	W	3	X					
		Dup8-081121	08/11/21	1030	W	5	X	X				

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
John Kelley	OTIE	08/11/21	1540	[illegible]	KM LAB	8/11/21	1606
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
Shawn Manfrin	OTIE	8/11/21	1606				

Matrix Key

WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous Solids
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key

1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key

1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn Acetate, Cool to 4°
6. Cool to 4°
7. None

COMMENTS:

Report to MDLs
Level 2 Data Package, 100% Tier 1 validation

Date Received / /

Courier: Hand Delivered ☐

Bill of Lading:

R9 CHAIN OF CUSTODY

___ of ___

Report To:

Ship to Lab:

Shaded Areas For Internal Use Only *Page*

OTIE
An Oneida Nation Company

1777 N California Blvd, Suite 310
Walnut Creek, 94596
Phone: (925) 906-9698

Contact: Eric Foote/Lindsey Larsen
Company: OTIE
Phone: 614-374-2729/ 951-259-2315
E-Mail:
EFoote@oescgroup.com/LLarsen@oescgroup.com

Attn: Sample Custodian
Organization: EPA Region 9 Laboratory
Address: 1337 South 46th Street, Bldg 201
Richmond, CA 94804
Phone: 510-412-2389

Lab Lot #

Package Sealed Yes No	Samples Sealed Yes No
Received on Ice Yes No	Samples Intact Yes No
Temperature °C	of Cooler
Within Hold Time Yes No	Preserv. indicated Yes No NA
pH Check ok Yes No NA	Res. Cl_2 Check ok Yes No NA
Sample Labels and COC Agree Yes No	COC not present

Sampler Name:

Signature:

Project Name: AMCO Superfund Site 2021 Groundwater Monitoring Event

OTIE Project Number: 2017097
R9 Lab Project Number: R21S29

Project Location: Oakland, CA

TAT: standard

R9RSCC: Susan Lepe

Refrg #						
#/ Cont.						
Volume						
Preserv						

Laboratory ID	MS MSD	Client Sample ID	Sampling Date	Sampling Time	Mtx	# Containers	VOCs (8260B) – HCl preserved	SVOCs (8270C)	Diss. Metals (200.7; 200.8) – As, Co, Fe, Mn, Ni, Se - Field Filtered & HNO3 preserved			Additional Analyses / Remarks
		AMCO-X-46-081121-S	08/11/21	1430	W	5	X	X				
		AMCO-X-46-081121-I	08/11/21	1405	W	5	X	X				
		AMCO-X-46-081121-D	08/11/21	1340	W	5	X	X				
		AMCO-X-49-081121-D	08/11/21	1200	W	5	X	X				
	X	AMCO-X-49-081121-I	08/11/21	1405	W	13	X	X				
		AMCO-X-49-081121-S	08/11/21	1458	W	5	X	X				
		AMCO-X-50-D-081121	08/11/21	1431	W	5	X	X				
		AMCO-X-50-S-081121	08/11/21	1339	W	5	X	X				
		AMCO-X-50-I-081121	08/11/21	1406	W	5	X	X				

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
John Kelley	OTIE	08/11/21	1540	[signature]	RCLAB	8/11/21	1606
Shawn Mackenzie	OTIE	8/11/21	1606				

Matrix Key

WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous Solids
OL = Oil
A = Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
WI = Wipe
O = _____

Container Key

1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____

Preservative Key

1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn Acetate, Cool to 4°
6. Cool to 4°
7. None

COMMENTS:

Report to MDLs
Level 2 Data Package, 100% Tier 1 validation

Date Received / /

Courier: Hand Delivered ☐

Bill of Lading:

Cooler/Box/Env 1 of 4

U.S. Environmental Protection Agency
Region 9 Richmond Laboratory

1337 South 46th Street
Richmond, CA 94804

Sample Receipt Checklist

Note in WO memo any items outside acceptable limits.

Project No: R21529 **Work Order No(s):** 2108010 **Date:** 8/11/21 **by** JDM

CUSTODY SEALS Are Intact? ☐ Yes ☐ No ☒ N/A-none

Check if applies: ☐ External Seals ☐ Internal Seals ☒ Hand Delivered

TEMPERATURE 5 °C

Within Acceptable Range? (If preservation is "store cool at 4°C," use 0-6°C for acceptable range.) ☒ Yes ☐ No ☐ Ambient OK

Measured by: ☐ IR thermometer ☒ Probe thermometer inserted in provided temp. blank

☐ Provided Temp Blank was not used because _____

Check if applies: ☐ No ice present ☐ Insufficient/Melted Ice ☐ Tissue Received Frozen

☒ Still cooling (sampled today & iced) ☐ Delivery Delay ☐ Previously Frozen

SAMPLE CONTAINERS Are Intact? ☒ Yes ☐ No

Check if applies and identify sample IDs in comments:

☐ Bottle/Jar/Vial broken ☐ Cap broken or loose ☐ Insufficient sample amount

☐ Other _____

CHAIN OF CUSTODY

COC forms are present? ☒ Yes ☐ No

COC forms are consistent with sample labels? ☒ Yes ☐ No ☐ N/A-no COC form

Check if applies: ☐ Missing "relinquished by" signature

TAT and analyses match TDF or scheduling? ☒ Yes ☐ No

Check if applies: ☐ Preliminary Results ☐ Rush Request ☐ 7-day TAT

Samples are received within hold times? ☒ Yes ☐ No ☐ N/A-no hold times

Check if applies: ☐ Expires soon; notify analyst ☐ Expired

All shipping and sample containers are accounted for? ☒ Yes ☐ No

PRESERVATION / FILTRATION

Samples were filtered in field? ☐ Yes ☐ No ☒ N/A

Filtration is correctly identified on samples? ☐ Yes ☐ No ☒ N/A

Check if applies: ☐ Analyst to filter

Check if applies: ☐ Notify analyst to check for methyl mercury analysis and low-level mercury analysis by 1631

Samples were preserved in field? ☐ Yes ☐ No ☒ N/A

Check if applies: ☐ Analyst to preserve ☐ Sample Receiving to preserve (see page 2)

Preservation is correctly identified on samples? ☐ Yes ☐ No ☒ N/A

Field-preserved samples (excluding VOA vials for VOC analyses) have correct pH? ☐ Yes ☐ No ☒ N/A

Check if verified:

☐ Sulfide: pH >9 NaOH/Zinc acetate

☐ Cyanide: pH >12 NaOH

☐ Metals: pH <2 HNO_3

☐ Ferrous Iron: pH <2 HCl

☐ TOC/DOC: pH <2 H_2SO_4/H_3PO_4 (not HCl)

☐ Ammonia / Nitrate/Nitrite / TKN / Phosphorus: pH <2 H2SO4

☐ Other: _____

FOLLOW-UP / COMMENTS / UNUSUAL CHARACTERISTICS OBSERVED (for example, sample is pink):

FORM #: Q016
REV #: 2
REV. DATE: 07/29/19

Cooler/Box/Env 2 of 4

U.S. Environmental Protection Agency
Region 9 Richmond Laboratory

1337 South 46th Street
Richmond, CA 94804

Sample Receipt Checklist

Note in WO memo any items outside acceptable limits.

Project No: R21529 **Work Order No(s):** 2108010 **Date:** 8/11/21 **by** JDM

CUSTODY SEALS Are Intact? ☐ Yes ☐ No ☒ N/A-none

Check if applies: ☐ External Seals ☐ Internal Seals ☒ Hand Delivered

TEMPERATURE 5 °C

Within Acceptable Range? (If preservation is "store cool at 4°C," use 0-6°C for acceptable range.) ☒ Yes ☐ No ☐ Ambient OK

Measured by: ☐ IR thermometer ☒ Probe thermometer inserted in provided temp. blank

☐ Provided Temp Blank was not used because _____

Check if applies: ☐ No ice present ☐ Insufficient/Melted Ice ☐ Tissue Received Frozen

☒ Still cooling (sampled today & iced) ☐ Delivery Delay ☐ Previously Frozen

SAMPLE CONTAINERS Are Intact? ☒ Yes ☐ No

Check if applies and identify sample IDs in comments:

☐ Bottle/Jar/Vial broken ☐ Cap broken or loose ☐ Insufficient sample amount

☐ Other _____

CHAIN OF CUSTODY

COC forms are present? ☒ Yes ☐ No

COC forms are consistent with sample labels? ☒ Yes ☐ No ☐ N/A-no COC form

Check if applies: ☐ Missing "relinquished by" signature

TAT and analyses match TDF or scheduling? ☒ Yes ☐ No

Check if applies: ☐ Preliminary Results ☐ Rush Request ☐ 7-day TAT

Samples are received within hold times? ☒ Yes ☐ No ☐ N/A-no hold times

Check if applies: ☐ Expires soon; notify analyst ☐ Expired

All shipping and sample containers are accounted for? ☒ Yes ☐ No

PRESERVATION / FILTRATION

Samples were filtered in field? ☐ Yes ☐ No ☒ N/A

Filtration is correctly identified on samples? ☐ Yes ☐ No ☒ N/A

Check if applies: ☐ Analyst to filter

Check if applies: ☐ Notify analyst to check for methyl mercury analysis and low-level mercury analysis by 1631

Samples were preserved in field? ☐ Yes ☐ No ☒ N/A

Check if applies: ☐ Analyst to preserve ☐ Sample Receiving to preserve (see page 2)

Preservation is correctly identified on samples? ☐ Yes ☐ No ☒ N/A

Field-preserved samples (excluding VOA vials for VOC analyses) have correct pH? ☐ Yes ☐ No ☒ N/A

Check if verified:

☐ Sulfide: pH >9 NaOH/Zinc acetate

☐ Cyanide: pH >12 NaOH

☐ Metals: pH <2 HNO_3

☐ Ferrous Iron: pH <2 HCl

☐ TOC/DOC: pH <2 H_2SO_4/H_3PO_4 (not HCl)

☐ Ammonia / Nitrate/Nitrite / TKN / Phosphorus: pH <2 H2SO4

☐ Other: _____

FOLLOW-UP / COMMENTS / UNUSUAL CHARACTERISTICS OBSERVED (for example, sample is pink):

FORM #: Q016
REV #: 2
REV. DATE: 07/29/19

Cooler/Box/Env 3 of 4

U.S. Environmental Protection Agency
Region 9 Richmond Laboratory

1337 South 46th Street
Richmond, CA 94804

Sample Receipt Checklist

Note in WO memo any items outside acceptable limits.

Project No: R21529 **Work Order No(s):** 2108010 **Date:** 8/11/21 **by** JDM

CUSTODY SEALS Are Intact? ☒ **Yes** ☐ **No** ☐ **N/A**-none

Check if applies: ☐ External Seals ☐ Internal Seals ☒ Hand Delivered

TEMPERATURE 3 **°C**

Within Acceptable Range? (If preservation is "store cool at 4°C," use 0-6°C for acceptable range.) ☒ **Yes** ☐ **No** ☐ **Ambient OK**

Measured by: ☐ IR thermometer ☒ Probe thermometer inserted in provided temp. blank

☐ Provided Temp Blank was not used because _____

Check if applies: ☐ No ice present ☐ Insufficient/Melted Ice ☐ Tissue Received Frozen

☒ Still cooling (sampled today & iced) ☐ Delivery Delay ☐ Previously Frozen

SAMPLE CONTAINERS Are Intact? ☒ **Yes** ☐ **No**

Check if applies and identify sample IDs in comments:

☐ Bottle/Jar/Vial broken ☐ Cap broken or loose ☐ Insufficient sample amount

☐ Other _____

CHAIN OF CUSTODY

COC forms are present? ☒ **Yes** ☐ **No**

COC forms are consistent with sample labels? ☐ **Yes** ☒ **No** ☐ **N/A**-no COC form

Check if applies: ☐ Missing "relinquished by" signature

TAT and analyses match TDF or scheduling? ☒ **Yes** ☐ **No**

Check if applies: ☐ Preliminary Results ☐ Rush Request ☐ 7-day TAT

Samples are received within hold times? ☒ **Yes** ☐ **No** ☐ **N/A**-no hold times

Check if applies: ☐ Expires soon; notify analyst ☐ Expired

All shipping and sample containers are accounted for? ☒ **Yes** ☐ **No**

PRESERVATION / FILTRATION

Samples were filtered in field? ☒ **Yes** ☐ **No** ☐ **N/A**

Filtration is correctly identified on samples? ☒ **Yes** ☒ **No** ☐ **N/A**

Check if applies: ☐ Analyst to filter

Check if applies: ☐ Notify analyst to check for methyl mercury analysis and low-level mercury analysis by 1631

Samples were preserved in field? ☐ **Yes** ☒ **No** ☐ **N/A**

Check if applies: ☐ Analyst to preserve ☒ Sample Receiving to preserve (see page 2)

Preservation is correctly identified on samples? ☒ **Yes** ☐ **No** ☐ **N/A**

Field-preserved samples (excluding VOA vials for VOC analyses) have correct pH? ☐ **Yes** ☐ **No** ☒ **N/A**

Check if verified:

☐ Sulfide: pH >9 NaOH/Zinc acetate

☐ Cyanide: pH >12 NaOH

☐ Metals: pH <2 HNO_3

☐ Ferrous Iron: pH <2 HCl

☐ TOC/DOC: pH <2 H_2SO_4/H_3PO_4 (not HCl)

☐ Ammonia / Nitrate/Nitrite / TKN / Phosphorus: pH <2 H2SO4

☐ Other: _____

FOLLOW-UP / COMMENTS / UNUSUAL CHARACTERISTICS OBSERVED (for example, sample is pink):

RECEIVED 2 bottles for dissolved metals for sample AMCO-X-49-081121-I not on the COC. sample logged in for dissolved metals

Received 5 bottles for SVOCs & 11 VOA vials for VOCs for sample AMCO-X-49-081121-I

- no metals samples were preserved in the field

FORM #: Q016
REV #: 2
REV. DATE: 07/29/19

Cooler/Box/Env 4 of 4

U.S. Environmental Protection Agency
Region 9 Richmond Laboratory

1337 South 46th Street
Richmond, CA 94804

Sample Receipt Checklist

Note in WO memo any items outside acceptable limits.

Project No: R21529 **Work Order No(s):** 2108010 **Date:** 8/1/21 **by** JDM

CUSTODY SEALS Are Intact? ☒ **Yes** ☐ **No** ☐ **N/A**-none

Check if applies: ☐ External Seals ☐ Internal Seals ☒ Hand Delivered

TEMPERATURE 2 **°C**

Within Acceptable Range? (If preservation is "store cool at 4°C," use 0-6°C for acceptable range.) ☒ **Yes** ☐ **No** ☐ **Ambient OK**

Measured by: ☐ IR thermometer ☒ Probe thermometer inserted in provided temp. blank

☐ Provided Temp Blank was not used because _____

Check if applies: ☐ No ice present ☐ Insufficient/Melted Ice ☐ Tissue Received Frozen

☒ Still cooling (sampled today & iced) ☐ Delivery Delay ☐ Previously Frozen

SAMPLE CONTAINERS Are Intact? ☒ **Yes** ☐ **No**

Check if applies and identify sample IDs in comments:

☐ Bottle/Jar/Vial broken ☐ Cap broken or loose ☐ Insufficient sample amount

☐ Other _____

CHAIN OF CUSTODY

COC forms are present? ☒ **Yes** ☐ **No**

COC forms are consistent with sample labels? ☒ **Yes** ☐ **No** ☐ **N/A**-no COC form

Check if applies: ☐ Missing "relinquished by" signature

TAT and analyses match TDF or scheduling? ☒ **Yes** ☐ **No**

Check if applies: ☐ Preliminary Results ☐ Rush Request ☐ 7-day TAT

Samples are received within hold times? ☒ **Yes** ☐ **No** ☐ **N/A**-no hold times

Check if applies: ☐ Expires soon; notify analyst ☐ Expired

All shipping and sample containers are accounted for? ☒ **Yes** ☐ **No**

PRESERVATION / FILTRATION

Samples were filtered in field? ☐ **Yes** ☐ **No** ☒ **N/A**

Filtration is correctly identified on samples? ☐ **Yes** ☐ **No** ☒ **N/A**

Check if applies: ☐ Analyst to filter

Check if applies: ☐ Notify analyst to check for methyl mercury analysis and low-level mercury analysis by 1631

Samples were preserved in field? ☐ **Yes** ☐ **No** ☒ **N/A**

Check if applies: ☐ Analyst to preserve ☐ Sample Receiving to preserve (see page 2)

Preservation is correctly identified on samples? ☐ **Yes** ☐ **No** ☒ **N/A**

Field-preserved samples (excluding VOA vials for VOC analyses) have correct pH? ☐ **Yes** ☐ **No** ☒ **N/A**

Check if verified:

☐ Sulfide: pH >9 NaOH/Zinc acetate

☐ Cyanide: pH >12 NaOH

☐ Metals: pH <2 HNO_3

☐ Ferrous Iron: pH <2 HCl

☐ TOC/DOC: pH <2 H_2SO_4/H_3PO_4 (not HCl)

☐ Ammonia / Nitrate/Nitrite / TKN / Phosphorus: pH <2 H2SO4

☐ Other: _____

FOLLOW-UP / COMMENTS / UNUSUAL CHARACTERISTICS OBSERVED (for example, sample is pink):

FORM #: Q016
REV #: 2
REV. DATE: 07/29/19

U.S. Environmental Protection Agency
Region 9 Richmond Laboratory

1337 South 46th Street
Richmond, CA 94804

Sample Receipt Checklist

Project No: R21529 **Work Order No(s):** 2108010 **Date:** 8/11/21 **by** JDM

Sample Receiving Preservation and/or pH Adjustments

Bottle ID	Initial pH	Pres. Added	Date/time Pres. added	Adjusted pH	pH after 16 hrs (metals)	Date/time of pH recheck	Rechecked by	Recheck
2108010-01A	7	HNO_3	8/11/21 1650	<2	<2	8/12/21 7:05	TD	8/12/21 0936 JDM
2108010-04A	7	HNO_3	8/11/21 1651	<2	<2	8/12/21 7:05	TD	8/12/21 0937 JDM
2108010-07A	7	HNO_3	8/11/21 1652	<2	<2	8/12/21 7:05	TD	8/12/21 0938 JDM
2108010-15Q	7	HNO_3	8/11/21 1653	<2	<2	8/12/21 7:05	TD	8/12/21 0939 JDM
2108010-15R	7	HNO_3	8/11/21 1654	<2	<2	8/12/21 7:05	TD	8/12/21 0940 JDM

FORM #: Q016
REV #: 1
REV. DATE: 04/12/19

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street Building 201
Richmond, CA 94804

Date: **9/17/2021**

Subject: **Analytical Testing Results - Project R21S29**
WorkOrder: 2108016

From: **Peter Husby, Director**
EPA Region 9 Laboratory
LSS-2

To: **Fatima Ty**
California Site Cleanup Section 2
SFD-7-2

Attached are the results from the analysis of samples from the **AMCO August 2021 Groundwater Monitoring** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Audrey Johnson at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Cynthia Williams, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

Dissolved Metals by ICP	Dissolved Metals by ICP/MS
Semivolatile Organic Compounds by GC/MS	Volatile Organic Compounds by GC/MS

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
AMCO-RMW-18-79-081221	2108016-01	Water	08/12/21 08:56	08/12/21 16:37
AMCO-081221-TB	2108016-02	Water	08/12/21 08:05	08/12/21 16:37
AMCO-RMW-18-35-081221	2108016-03	Water	08/12/21 09:55	08/12/21 16:37
AMCO-BMW-08-081221	2108016-04	Water	08/12/21 10:55	08/12/21 16:37
AMCO-RMW-10-35-081221	2108016-05	Water	08/12/21 13:25	08/12/21 16:37
AMCO-RMW-14-35-081221	2108016-06	Water	08/12/21 07:50	08/12/21 16:37
AMCO-BMW-07-081221	2108016-07	Water	08/12/21 08:50	08/12/21 16:37
AMCO-RMW-14-50-081221	2108016-08	Water	08/12/21 10:15	08/12/21 16:37
AMCO-BMW-03-081221	2108016-09	Water	08/12/21 12:15	08/12/21 16:37
AMCO-RMW-10-79-081221	2108016-10	Water	08/12/21 13:50	08/12/21 16:37
AMCO-DUP5-081221	2108016-11	Water	08/12/21 12:20	08/12/21 16:37
AMCO-DUP6-081221	2108016-12	Water	08/12/21 13:30	08/12/21 16:37
AMCO-RMW-19-80-081221	2108016-13	Water	08/12/21 08:22	08/12/21 16:37
AMCO-BPZ-01-081221	2108016-14	Water	08/12/21 10:00	08/12/21 16:37
AMCO-RMW-13-35-081221	2108016-15	Water	08/12/21 13:33	08/12/21 16:37
AMCO-DUP4-081221	2108016-16	Water	08/12/21 10:05	08/12/21 16:37
AMCO-RMW-19-15-081221	2108016-17	Water	08/12/21 07:50	08/12/21 16:37
AMCO-BMW-01-081221	2108016-18	Water	08/12/21 10:20	08/12/21 16:37
AMCO-RMW-04-15-081221	2108016-19	Water	08/12/21 12:55	08/12/21 16:37
AMCO-RMW-05-35-081221	2108016-20	Water	08/12/21 13:55	08/12/21 16:37
AMCO-RMW-14-35-081221	2108016-21	Water	08/12/21 08:55	08/12/21 16:37
AMCO-RMW-10-15-081221	2108016-22	Water	08/12/21 14:45	08/12/21 16:37
AMCO-RMW-05-74-081221	2108016-23	Water	08/12/21 14:50	08/12/21 16:37

Work Order 2108016
Sample Receiving:
Sample labels has AMCO-RMW-04-15-081221 while COC has AMCO-BMW-04-15-081221. Logged in per COC. 1 of 2 - 1L Amber sample containers for AMCO-DUP4-081221 was received empty.
Samples AMCO-BMW-08-081221, AMCO-BPZ-01-081221 and AMCO-DUP4-081221 all received with pH of 7.

Client confirmed that the sample label has the correct Sample ID name. Corrected and printed a new WKO.

SVOC: Sample 2108016-04 initial analysis showed high background contamination and QC failures. The sample was re-extracted outside of hold time. Re-extraction/reanalysis results will be utilized. Sample 2108016-04 had 1,2-Dichlobenzene-d4 surrogate failing low, confirmed by reanalysis at 5X due to high chromatographic background.

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-01									**Water - Sampled: 08/12/21 08:56**
Sample ID: AMCO-RMW-18-79-081221									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	U	1	ug/L	B21H036	08/13/21	08/13/21	524.2
Chloromethane	RE1	ND	U	1	"	"	"	"	524.2
Vinyl chloride	RE1	ND	U	1	"	"	"	"	524.2
Bromomethane	RE1	ND	U	1	"	"	"	"	524.2
Chloroethane	RE1	ND	U	1	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	1	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	1	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	1	"	"	"	"	524.2
Acetone	RE1	8.6		8	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	1	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	ND	U	1	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	4	"	"	"	"	524.2
1,1-Dichloroethane	RE1	ND	U	1	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	1	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	ND	U	1	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	8	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	1	"	"	"	"	524.2
Chloroform	RE1	0.7	C1, J	1	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	1	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	1	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	1	"	"	"	"	524.2
Benzene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	1	"	"	"	"	524.2
Trichloroethene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	1	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	1	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	U	1	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	1	"	"	"	"	524.2
Toluene	RE1	ND	U	1	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	U	1	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	1	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	1	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	1	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	1	"	"	"	"	524.2
Chlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	1	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108016-01**								**Water - Sampled: 08/12/21 08:56**
Sample ID:	**AMCO-RMW-18-79-081221**								**Volatile Organic Compounds by EPA Method 524.2**
Ethylbenzene	RE1	ND	U	1	ug/L	B21H036	08/13/21	08/13/21	524.2
m&p-Xylene	RE1	ND	U	2	"	"	"	"	524.2
o-Xylene	RE1	ND	U	1	"	"	"	"	524.2
Styrene	RE1	ND	U	1	"	"	"	"	524.2
Bromoform	RE1	ND	U	1	"	"	"	"	524.2
Isopropylbenzene	RE1	ND	U	1	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	1	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	1	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	1	"	"	"	"	524.2
Propylbenzene	RE1	ND	U	1	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	1	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	1	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	1	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	1	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	ND	U	1	"	"	"	"	524.2
sec-Butylbenzene	RE1	ND	U	1	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
p-Isopropyltoluene	RE1	ND	U	1	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	4	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	1	"	"	"	"	524.2
Naphthalene	RE1	ND	U	1	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		106 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE1*		96 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE1*		101 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		105 %	*74-113%*		"	"	"	
Sample ID:	**AMCO-RMW-18-79-081221**								**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		ND	U	0.9	"	B21H033	08/13/21	08/23/21	8270D
Phenol		ND	U	4.6	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	0.9	"	"	"	"	8270D
2-Chlorophenol		ND	U	4.6	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: **2108016-01** **Water - Sampled: 08/12/21 08:56**

Sample ID: **AMCO-RMW-18-79-081221**

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,4-Dichlorobenzene		ND	U	0.9	ug/L	B21H033	08/13/21	08/23/21	8270D
Benzyl alcohol		ND	U	4.6	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
2-Methylphenol		ND	U	4.6	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	0.9	"	"	"	"	8270D
3&4-Methylphenol		ND	U	4.6	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	0.9	"	"	"	"	8270D
Hexachloroethane		ND	U	0.9	"	"	"	"	8270D
Nitrobenzene		ND	U	0.9	"	"	"	"	8270D
Isophorone		ND	U	0.9	"	"	"	"	8270D
2-Nitrophenol		ND	U	4.6	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	4.6	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	0.9	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	4.6	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	0.9	"	"	"	"	8270D
Naphthalene		ND	U	0.9	"	"	"	"	8270D
4-Chloroaniline		ND	U	4.6	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	0.9	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	4.6	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	0.9	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	4.6	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	4.6	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	4.6	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	0.9	"	"	"	"	8270D
2-Nitroaniline		ND	U	4.6	"	"	"	"	8270D
Dimethyl phthalate		ND	U	0.9	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Acenaphthylene		ND	U	0.9	"	"	"	"	8270D
3-Nitroaniline		ND	U	4.6	"	"	"	"	8270D
Acenaphthene		ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	18	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	4.6	"	"	"	"	8270D
Dibenzofuran		ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Diethyl phthalate		ND	U	0.9	"	"	"	"	8270D
Fluorene		ND	U	0.9	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-01									**Water - Sampled: 08/12/21 08:56**
Sample ID: AMCO-RMW-18-79-081221									
						Semivolatile Organic Compounds by EPA Method 8270D			
4-Chlorophenyl phenyl ether		ND	U	0.9	ug/L	B21H033	08/13/21	08/23/21	8270D
4-Nitroaniline		ND	U	4.6	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	4.6	"	"	"	"	8270D
Diphenyl amine		ND	U	0.9	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
Hexachlorobenzene		ND	U	0.9	"	"	"	"	8270D
Pentachlorophenol		ND	U	18	"	"	"	"	8270D
Phenanthrene		ND	U	0.9	"	"	"	"	8270D
Anthracene		ND	U	0.9	"	"	"	"	8270D
Carbazole		ND	U	0.9	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	0.9	"	"	"	"	8270D
Fluoranthene		ND	U	0.9	"	"	"	"	8270D
Pyrene		ND	U	0.9	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	0.9	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	0.9	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	4.6	"	"	"	"	8270D
Chrysene		ND	U	0.9	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	0.9	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	0.9	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	0.9	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	0.9	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	0.9	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	0.9	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			44 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			**49 %**	*54-110%*		"	"	"	
Surrogate: Phenol-d5			56 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			55 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			48 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			54 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			59 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			86 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			71 %	*20-179%*		"	"	"	

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-02 — **Water - Sampled: 08/12/21 08:05**

Sample ID: AMCO-081221-TB

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Dichlorodifluoromethane		ND	U	0.5	ug/L	B21H036	08/13/21	08/13/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride		ND	U	0.5	"	"	"	"	524.2
Bromomethane		ND	U	0.5	"	"	"	"	524.2
Chloroethane		ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	"	"	"	524.2
Acetone		4.1		4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
2-Butanone (MEK)		ND	U	4	"	"	"	"	524.2
Bromochloromethane		ND	U	0.5	"	"	"	"	524.2
Chloroform	RE1	100		5	"	B21H034	08/13/21	08/13/21	524.2
1,1,1-Trichloroethane		ND	U	0.5	"	B21H036	08/13/21	08/13/21	524.2
Carbon tetrachloride		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Benzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
Trichloroethene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Dibromomethane		ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane		ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Toluene		0.3	C1, J	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-02 — **Water - Sampled: 08/12/21 08:05**

Sample ID: AMCO-081221-TB

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Ethylbenzene		ND	U	0.5	ug/L	B21H036	08/13/21	08/13/21	524.2
m&p-Xylene		ND	U	1	"	"	"	"	524.2
o-Xylene		ND	U	0.5	"	"	"	"	524.2
Styrene		ND	U	0.5	"	"	"	"	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		ND	U	0.5	"	"	"	"	524.2
Bromobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	0.5	"	"	"	"	524.2
Propylbenzene		ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	0.5	"	"	"	"	524.2
Naphthalene		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			99 %	*83-116%*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4	*RE1*		93 %	*83-116%*		*B21H034*	*08/13/21*	*08/13/21*	
Surrogate: Toluene-d8			102 %	*81-112%*		*B21H036*	*08/13/21*	*08/13/21*	
Surrogate: Toluene-d8	*RE1*		96 %	*81-112%*		*B21H034*	*08/13/21*	*08/13/21*	
Surrogate: 4-Bromofluorobenzene			96 %	*80-110%*		*B21H036*	*08/13/21*	*08/13/21*	
Surrogate: 4-Bromofluorobenzene	*RE1*		90 %	*80-110%*		*B21H034*	*08/13/21*	*08/13/21*	
Surrogate: 1,2-Dichlorobenzene-d4			94 %	*74-113%*		*B21H036*	*08/13/21*	*08/13/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		92 %	*74-113%*		*B21H034*	*08/13/21*	*08/13/21*	

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-03 — **Water - Sampled: 08/12/21 09:55**

Sample ID: AMCO-RMW-18-35-081221

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Dichlorodifluoromethane	RE1	ND	U	1	ug/L	B21H036	08/13/21	08/13/21	524.2
Chloromethane	RE1	ND	U	1	"	"	"	"	524.2
Vinyl chloride	RE1	ND	U	1	"	"	"	"	524.2
Bromomethane	RE1	ND	U	1	"	"	"	"	524.2
Chloroethane	RE1	ND	U	1	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	1	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	1	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	1	"	"	"	"	524.2
Acetone	RE1	ND	U	8	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	1	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	ND	U	1	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	4	"	"	"	"	524.2
1,1-Dichloroethane	RE1	ND	U	1	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	1	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	ND	U	1	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	8	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	1	"	"	"	"	524.2
Chloroform	RE1	ND	U	1	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	1	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	1	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	1	"	"	"	"	524.2
Benzene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	1	"	"	"	"	524.2
Trichloroethene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	1	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	1	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	U	1	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	1	"	"	"	"	524.2
Toluene	RE1	ND	U	1	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	U	1	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	1	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	1	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	1	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	1	"	"	"	"	524.2
Chlorobenzene	RE1	ND	U	1	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-03									**Water - Sampled: 08/12/21 09:55**
Sample ID: AMCO-RMW-18-35-081221									**Volatile Organic Compounds by EPA Method 524.2**
1,1,1,2-Tetrachloroethane	RE1	ND	U	1	ug/L	B21H036	08/13/21	08/13/21	524.2
Ethylbenzene	RE1	ND	U	1	"	"	"	"	524.2
m&p-Xylene	RE1	ND	U	2	"	"	"	"	524.2
o-Xylene	RE1	ND	U	1	"	"	"	"	524.2
Styrene	RE1	ND	U	1	"	"	"	"	524.2
Bromoform	RE1	ND	U	1	"	"	"	"	524.2
Isopropylbenzene	RE1	ND	U	1	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	1	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	1	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	1	"	"	"	"	524.2
Propylbenzene	RE1	ND	U	1	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	1	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	1	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	1	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	1	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	ND	U	1	"	"	"	"	524.2
sec-Butylbenzene	RE1	ND	U	1	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
p-Isopropyltoluene	RE1	ND	U	1	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	4	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	1	"	"	"	"	524.2
Naphthalene	RE1	ND	U	1	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		113 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE1*		94 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE1*		100 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		104 %	*74-113%*		"	"	"	
Sample ID: AMCO-RMW-18-35-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		ND	U	0.9	"	B21H033	08/13/21	08/23/21	8270D
Phenol		ND	U	4.6	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	0.9	"	"	"	"	8270D
2-Chlorophenol		ND	U	4.6	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-03 — **Water - Sampled: 08/12/21 09:55**

Sample ID: AMCO-RMW-18-35-081221

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,3-Dichlorobenzene		ND	U	0.9	ug/L	B21H033	08/13/21	08/23/21	8270D
1,4-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
Benzyl alcohol		ND	U	4.6	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
2-Methylphenol		ND	U	4.6	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	0.9	"	"	"	"	8270D
3&4-Methylphenol		ND	U	4.6	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	0.9	"	"	"	"	8270D
Hexachloroethane		ND	U	0.9	"	"	"	"	8270D
Nitrobenzene		ND	U	0.9	"	"	"	"	8270D
Isophorone		ND	U	0.9	"	"	"	"	8270D
2-Nitrophenol		ND	U	4.6	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	4.6	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	0.9	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	4.6	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	0.9	"	"	"	"	8270D
Naphthalene		ND	U	0.9	"	"	"	"	8270D
4-Chloroaniline		ND	U	4.6	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	0.9	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	4.6	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	0.9	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	4.6	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	4.6	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	4.6	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	0.9	"	"	"	"	8270D
2-Nitroaniline		ND	U	4.6	"	"	"	"	8270D
Dimethyl phthalate		ND	U	0.9	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Acenaphthylene		ND	U	0.9	"	"	"	"	8270D
3-Nitroaniline		ND	U	4.6	"	"	"	"	8270D
Acenaphthene		ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	18	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	4.6	"	"	"	"	8270D
Dibenzofuran		ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Diethyl phthalate		ND	U	0.9	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108016-03**								**Water - Sampled: 08/12/21 09:55**
Sample ID:	**AMCO-RMW-18-35-081221**								
						Semivolatile Organic Compounds by EPA Method 8270D			
Fluorene		ND	U	0.9	ug/L	B21H033	08/13/21	08/23/21	8270D
4-Chlorophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
4-Nitroaniline		ND	U	4.6	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	4.6	"	"	"	"	8270D
Diphenyl amine		ND	U	0.9	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
Hexachlorobenzene		ND	U	0.9	"	"	"	"	8270D
Pentachlorophenol		ND	U	18	"	"	"	"	8270D
Phenanthrene		ND	U	0.9	"	"	"	"	8270D
Anthracene		ND	U	0.9	"	"	"	"	8270D
Carbazole		ND	U	0.9	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	0.9	"	"	"	"	8270D
Fluoranthene		ND	U	0.9	"	"	"	"	8270D
Pyrene		ND	U	0.9	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	0.9	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	0.9	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	4.6	"	"	"	"	8270D
Chrysene		ND	U	0.9	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		5.1		0.9	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	0.9	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	0.9	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	0.9	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	0.9	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	0.9	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			40 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			**52 %**	*54-110%*		"	"	"	
Surrogate: Phenol-d5			64 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			60 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			40 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			59 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			65 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			98 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			71 %	*20-179%*		"	"	"	

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-04									**Water - Sampled: 08/12/21 10:55**
Sample ID: AMCO-BMW-08-081221									**Dissolved Metals by EPA 200 Series Methods**
Iron		11,000		100	ug/L	B21H045	08/16/21	08/31/21	200.7_Dissolved
Arsenic	RE1	28		10	"	B21H046	08/16/21	08/19/21	200.8_Dissolved
Cobalt	RE1	3.6	C1, J	5	"	"	"	"	200.8_Dissolved
Manganese	RE1	120		40	"	"	"	"	200.8_Dissolved
Nickel	RE1	16	C1, J	20	"	"	"	"	200.8_Dissolved
Selenium	RE1	150		20	"	"	"	"	200.8_Dissolved
Sample ID: AMCO-BMW-08-081221									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	U	50	"	B21H034	08/13/21	08/13/21	524.2
Chloromethane		ND	U	50	"	"	"	"	524.2
Vinyl chloride		ND	U	50	"	"	"	"	524.2
Bromomethane		ND	C4, J, Q3, U	50	"	"	"	"	524.2
Chloroethane		ND	U	50	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	50	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	50	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	50	"	"	"	"	524.2
Acetone		2,200		400	"	"	"	"	524.2
Dichloromethane		ND	U	50	"	"	"	"	524.2
trans-1,2-Dichloroethene		ND	U	50	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	200	"	"	"	"	524.2
1,1-Dichloroethane		ND	U	50	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	50	"	"	"	"	524.2
cis-1,2-Dichloroethene		ND	U	50	"	"	"	"	524.2
2-Butanone (MEK)		ND	U	400	"	"	"	"	524.2
Bromochloromethane		ND	U	50	"	"	"	"	524.2
Chloroform		ND	U	50	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	U	50	"	"	"	"	524.2
Carbon tetrachloride		ND	U	50	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	50	"	"	"	"	524.2
Benzene		ND	U	50	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	50	"	"	"	"	524.2
Trichloroethene		ND	U	50	"	"	"	"	524.2
1,2-Dichloropropane		ND	C4, J, Q2, Q3, U	50	"	"	"	"	524.2
Dibromomethane		ND	C4, J, Q2, Q3, U	50	"	"	"	"	524.2
Bromodichloromethane		ND	C3, J, U	50	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	50	"	"	"	"	524.2
Toluene		ND	U	50	"	"	"	"	524.2

United States Environmental Protection Agency
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-04									**Water - Sampled: 08/12/21 10:55**
Sample ID: AMCO-BMW-08-081221									
							Volatile Organic Compounds by EPA Method 524.2		
trans-1,3-Dichloropropene		ND	C3, J, U	50	ug/L	B21H034	08/13/21	08/13/21	524.2
1,1,2-Trichloroethane		ND	U	50	"	"	"	"	524.2
Tetrachloroethene		ND	U	50	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	50	"	"	"	"	524.2
Chlorodibromomethane		ND	U	50	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	50	"	"	"	"	524.2
Chlorobenzene		ND	U	50	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	50	"	"	"	"	524.2
Ethylbenzene		ND	U	50	"	"	"	"	524.2
m&p-Xylene		ND	U	100	"	"	"	"	524.2
o-Xylene		ND	U	50	"	"	"	"	524.2
Styrene		ND	U	50	"	"	"	"	524.2
Bromoform		ND	C3, J, U	50	"	"	"	"	524.2
Isopropylbenzene		ND	U	50	"	"	"	"	524.2
Bromobenzene		ND	U	50	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	50	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	50	"	"	"	"	524.2
Propylbenzene		ND	U	50	"	"	"	"	524.2
2-Chlorotoluene		ND	U	50	"	"	"	"	524.2
4-Chlorotoluene		ND	U	50	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	U	50	"	"	"	"	524.2
tert-Butylbenzene		ND	U	50	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	50	"	"	"	"	524.2
sec-Butylbenzene		ND	U	50	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	50	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	50	"	"	"	"	524.2
1,4-Dichlorobenzene		ND	U	50	"	"	"	"	524.2
1,2-Dichlorobenzene		ND	U	50	"	"	"	"	524.2
Butylbenzene		ND	U	50	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	200	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	50	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	50	"	"	"	"	524.2
Naphthalene		ND	U	50	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	50	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			97 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8			94 %	*81-112%*		"	"	"	

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-04									**Water - Sampled: 08/12/21 10:55**
Sample ID: AMCO-BMW-08-081221									**Volatile Organic Compounds by EPA Method 524.2**
Surrogate: 4-Bromofluorobenzene			93 %	*80-110%*		*B21H034*	*08/13/21*	*08/13/21*	
Surrogate: 1,2-Dichlorobenzene-d4			96 %	*74-113%*		*"*	*"*	*"*	
Sample ID: AMCO-BMW-08-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE2	15	A3, J	0.9	"	B21I003	09/02/21	09/08/21	8270D
Phenol	RE2	ND	A3, J, U	4.7	"	"	"	"	8270D
Bis(2-chloroethyl)ether	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
2-Chlorophenol	RE2	ND	A3, J, U	4.7	"	"	"	"	8270D
1,3-Dichlorobenzene	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
1,4-Dichlorobenzene	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
Benzyl alcohol	RE2	ND	A3, J, U	4.7	"	"	"	"	8270D
1,2-Dichlorobenzene	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
2-Methylphenol	RE2	ND	A3, J, U	4.7	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether	RE2	ND	A3, C3, J, U	0.9	"	"	"	"	8270D
3&4-Methylphenol	RE2	ND	A3, J, U	4.7	"	"	"	"	8270D
N-Nitrosodipropylamine	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
Hexachloroethane	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
Nitrobenzene	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
Isophorone	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
2-Nitrophenol	RE2	ND	A3, J, U	4.7	"	"	"	"	8270D
2,4-Dimethylphenol	RE2	ND	U, A3, J	4.7	"	"	"	"	8270D
Bis(2-chloroethoxy)methane	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
2,4-Dichlorophenol	RE2	ND	A3, J, U	4.7	"	"	"	"	8270D
1,2,4-Trichlorobenzene	RE2	ND	U, A3, J	0.9	"	"	"	"	8270D
Naphthalene	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
4-Chloroaniline	RE2	ND	A3, J, U	4.7	"	"	"	"	8270D
Hexachlorobutadiene	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
4-Chloro-3-methylphenol	RE2	ND	A3, J, U	4.7	"	"	"	"	8270D
2-Methylnaphthalene	RE2	ND	A3, U, J	0.9	"	"	"	"	8270D
Hexachlorocyclopentadiene	RE2	ND	A3, J, U	4.7	"	"	"	"	8270D
2,4,6-Trichlorophenol	RE2	ND	A3, J, U	4.7	"	"	"	"	8270D
2,4,5-Trichlorophenol	RE2	ND	A3, J, U	4.7	"	"	"	"	8270D
2-Chloronaphthalene	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
2-Nitroaniline	RE2	ND	A3, J, U	4.7	"	"	"	"	8270D
Dimethyl phthalate	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
2,6-Dinitrotoluene	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
Acenaphthylene	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
3-Nitroaniline	RE2	ND	A3, J, U	4.7	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-04 — **Water - Sampled: 08/12/21 10:55**

Sample ID: AMCO-BMW-08-081221

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Acenaphthene	RE2	ND	A3, J, U	0.9	ug/L	B21I003	09/02/21	09/08/21	8270D
2,4-Dinitrophenol	RE2	ND	C4, J, A3, C3, U	19	"	"	"	"	8270D
4-Nitrophenol	RE2	ND	A3, J, U	4.7	"	"	"	"	8270D
Dibenzofuran	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
2,4-Dinitrotoluene	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
Diethyl phthalate	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
Fluorene	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
4-Chlorophenyl phenyl ether	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
4-Nitroaniline	RE2	ND	A3, J, U	4.7	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol	RE2	ND	A3, J, Q3, U	4.7	"	"	"	"	8270D
Diphenyl amine	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
4-Bromophenyl phenyl ether	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
Hexachlorobenzene	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
Pentachlorophenol	RE2	ND	A3, C4, J, U	19	"	"	"	"	8270D
Phenanthrene	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
Anthracene	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
Carbazole	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
Di-n-butyl phthalate	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
Fluoranthene	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
Pyrene	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
Butyl benzyl phthalate	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
Benzo(a)anthracene	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
3,3'-Dichlorobenzidine	RE2	ND	A3, C3, J, U	4.7	"	"	"	"	8270D
Chrysene	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate	RE2	0.5	A3, C1, J	0.9	"	"	"	"	8270D
Di-n-octyl phthalate	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
Benzo(b)fluoranthene	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
Benzo(k)fluoranthene	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
Benzo(a)pyrene	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
Dibenz(a,h)anthracene	RE2	ND	J, A3, U	0.9	"	"	"	"	8270D
Benzo(g,h,i)perylene	RE2	ND	A3, J, U	0.9	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8	*RE2*		63 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol	*RE2*		72 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5	*RE2*		73 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4	*RE2*		77 %	*39-121%*		"	"	"	

United States Environmental Protection Agency
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-04									**Water - Sampled: 08/12/21 10:55**
Sample ID: AMCO-BMW-08-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
Surrogate: 1,2-Dichlorobenzene-d4	*RE2*		57 %	*31-110%*		*B21I003*	*09/02/21*	*09/08/21*	
Surrogate: Nitrobenzene-d5	*RE2*		76 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl	*RE2*		74 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol	*RE2*		109 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14	*RE2*		59 %	*20-179%*		"	"	"	
Lab ID: 2108016-05									**Water - Sampled: 08/12/21 13:25**
Sample ID: AMCO-RMW-10-35-081221									**Dissolved Metals by EPA 200 Series Methods**
Arsenic		1,100		20	ug/L	B21H045	08/16/21	08/31/21	200.7_Dissolved
Iron		8,400		100	"	"	"	"	200.7_Dissolved
Manganese		13,000		5	"	"	"	"	200.7_Dissolved
Cobalt		96		0.25	"	B21H046	08/16/21	08/18/21	200.8_Dissolved
Nickel	RE2	300		10	"	"	"	09/03/21	200.8_Dissolved
Selenium	RE1	25		1	"	"	"	08/19/21	200.8_Dissolved
Sample ID: AMCO-RMW-10-35-081221									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	U	2.5	"	B21H048	08/17/21	08/17/21	524.2
Chloromethane	RE1	ND	U	2.5	"	"	"	"	524.2
Vinyl chloride		270		10	"	B21H034	08/13/21	08/13/21	524.2
Bromomethane	RE1	ND	C4, J, Q2, Q3, U	2.5	"	B21H048	08/17/21	08/17/21	524.2
Chloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	2.5	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Acetone	RE1	25		20	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	2.5	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	13		2.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	10	"	"	"	"	524.2
1,1-Dichloroethane	RE1	120	J, Q2	2.5	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	65		2.5	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	20	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	2.5	"	"	"	"	524.2
Chloroform	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	2.5	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	2.5	"	"	"	"	524.2
Benzene	RE1	2.8		2.5	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Trichloroethene	RE1	14	C4, J, Q2	2.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-05 — **Water - Sampled: 08/12/21 13:25**

Sample ID: AMCO-RMW-10-35-081221

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,2-Dichloropropane	RE1	ND	C4, J, Q2, Q3, U	2.5	ug/L	B21H048	08/17/21	08/17/21	524.2
Dibromomethane	RE1	ND	C4, J, Q2, U	2.5	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	C3, J, U	2.5	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	2.5	"	"	"	"	524.2
Toluene	RE1	1.8	C1, J	2.5	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	C3, J, U	2.5	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	2.5	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	2.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	2.5	"	"	"	"	524.2
Chlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Ethylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
m&p-Xylene	RE1	ND	U	5	"	"	"	"	524.2
o-Xylene	RE1	ND	U	2.5	"	"	"	"	524.2
Styrene	RE1	ND	U	2.5	"	"	"	"	524.2
Bromoform	RE1	ND	C3, J, U	2.5	"	"	"	"	524.2
Isopropylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
Propylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	2.5	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	2.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
sec-Butylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
p-Isopropyltoluene	RE1	ND	U	2.5	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	10	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-05									**Water - Sampled: 08/12/21 13:25**
Sample ID: AMCO-RMW-10-35-081221									**Volatile Organic Compounds by EPA Method 524.2**
Hexachlorobutadiene	RE1	ND	U	2.5	ug/L	B21H048	08/17/21	08/17/21	524.2
Naphthalene	RE1	ND	U	2.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	5.0		2.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			92 %	*83-116%*		*B21H034*	*08/13/21*	*08/13/21*	
Surrogate: 1,2-Dichloroethane-d4	*RE1*		96 %	*83-116%*		*B21H048*	*08/17/21*	*08/17/21*	
Surrogate: Toluene-d8			95 %	*81-112%*		*B21H034*	*08/13/21*	*08/13/21*	
Surrogate: Toluene-d8	*RE1*		95 %	*81-112%*		*B21H048*	*08/17/21*	*08/17/21*	
Surrogate: 4-Bromofluorobenzene			97 %	*80-110%*		*B21H034*	*08/13/21*	*08/13/21*	
Surrogate: 4-Bromofluorobenzene	*RE1*		96 %	*80-110%*		*B21H048*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichlorobenzene-d4			96 %	*74-113%*		*B21H034*	*08/13/21*	*08/13/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		98 %	*74-113%*		*B21H048*	*08/17/21*	*08/17/21*	
Sample ID: AMCO-RMW-10-35-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE2	330		19	"	B21H033	08/13/21	08/31/21	8270D
Phenol	RE2	ND	U	94	"	"	"	"	8270D
Bis(2-chloroethyl)ether	RE2	ND	U	19	"	"	"	"	8270D
2-Chlorophenol	RE2	ND	U	94	"	"	"	"	8270D
1,3-Dichlorobenzene	RE2	ND	U	19	"	"	"	"	8270D
1,4-Dichlorobenzene	RE2	ND	U	19	"	"	"	"	8270D
Benzyl alcohol	RE2	ND	U	94	"	"	"	"	8270D
1,2-Dichlorobenzene	RE2	ND	U	19	"	"	"	"	8270D
2-Methylphenol	RE2	ND	U	94	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether	RE2	ND	C3, J, U	19	"	"	"	"	8270D
3&4-Methylphenol	RE2	ND	U	94	"	"	"	"	8270D
N-Nitrosodipropylamine	RE2	ND	U	19	"	"	"	"	8270D
Hexachloroethane	RE2	ND	U	19	"	"	"	"	8270D
Nitrobenzene	RE2	ND	U	19	"	"	"	"	8270D
Isophorone	RE2	ND	U	19	"	"	"	"	8270D
2-Nitrophenol	RE2	ND	U	94	"	"	"	"	8270D
2,4-Dimethylphenol	RE2	ND	U	94	"	"	"	"	8270D
Bis(2-chloroethoxy)methane	RE2	ND	U	19	"	"	"	"	8270D
2,4-Dichlorophenol	RE2	ND	U	94	"	"	"	"	8270D
1,2,4-Trichlorobenzene	RE2	ND	U	19	"	"	"	"	8270D
Naphthalene	RE2	ND	U	19	"	"	"	"	8270D
4-Chloroaniline	RE2	ND	U	94	"	"	"	"	8270D
Hexachlorobutadiene	RE2	ND	U	19	"	"	"	"	8270D
4-Chloro-3-methylphenol	RE2	ND	U	94	"	"	"	"	8270D
2-Methylnaphthalene	RE2	ND	U	19	"	"	"	"	8270D

United States Environmental Protection Agency
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-05 — **Water - Sampled: 08/12/21 13:25**

Sample ID: AMCO-RMW-10-35-081221

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Hexachlorocyclopentadiene	RE2	ND	U	94	ug/L	B21H033	08/13/21	08/31/21	8270D
2,4,6-Trichlorophenol	RE2	ND	U	94	"	"	"	"	8270D
2,4,5-Trichlorophenol	RE2	ND	U	94	"	"	"	"	8270D
2-Chloronaphthalene	RE2	ND	U	19	"	"	"	"	8270D
2-Nitroaniline	RE2	ND	U	94	"	"	"	"	8270D
Dimethyl phthalate	RE2	ND	U	19	"	"	"	"	8270D
2,6-Dinitrotoluene	RE2	ND	U	19	"	"	"	"	8270D
Acenaphthylene	RE2	ND	U	19	"	"	"	"	8270D
3-Nitroaniline	RE2	ND	U	94	"	"	"	"	8270D
Acenaphthene	RE2	ND	U	19	"	"	"	"	8270D
2,4-Dinitrophenol	RE2	ND	U	380	"	"	"	"	8270D
4-Nitrophenol	RE2	ND	U	94	"	"	"	"	8270D
Dibenzofuran	RE2	ND	U	19	"	"	"	"	8270D
2,4-Dinitrotoluene	RE2	ND	U	19	"	"	"	"	8270D
Diethyl phthalate	RE2	ND	U	19	"	"	"	"	8270D
Fluorene	RE2	ND	U	19	"	"	"	"	8270D
4-Chlorophenyl phenyl ether	RE2	ND	U	19	"	"	"	"	8270D
4-Nitroaniline	RE2	ND	U	94	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol	RE2	ND	U	94	"	"	"	"	8270D
Diphenyl amine	RE2	ND	U	19	"	"	"	"	8270D
4-Bromophenyl phenyl ether	RE2	ND	U	19	"	"	"	"	8270D
Hexachlorobenzene	RE2	ND	U	19	"	"	"	"	8270D
Pentachlorophenol	RE2	ND	U	380	"	"	"	"	8270D
Phenanthrene	RE2	ND	U	19	"	"	"	"	8270D
Anthracene	RE2	ND	U	19	"	"	"	"	8270D
Carbazole	RE2	ND	U	19	"	"	"	"	8270D
Di-n-butyl phthalate	RE2	ND	U	19	"	"	"	"	8270D
Fluoranthene	RE2	ND	U	19	"	"	"	"	8270D
Pyrene	RE2	ND	U	19	"	"	"	"	8270D
Butyl benzyl phthalate	RE2	ND	U	19	"	"	"	"	8270D
Benzo(a)anthracene	RE2	ND	U	19	"	"	"	"	8270D
3,3'-Dichlorobenzidine	RE2	ND	C3, J, U	94	"	"	"	"	8270D
Chrysene	RE2	ND	U	19	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate	RE2	ND	U	19	"	"	"	"	8270D
Di-n-octyl phthalate	RE2	ND	U	19	"	"	"	"	8270D
Benzo(b)fluoranthene	RE2	ND	U	19	"	"	"	"	8270D

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Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-05									**Water - Sampled: 08/12/21 13:25**
Sample ID: AMCO-RMW-10-35-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
Benzo(k)fluoranthene	RE2	ND	U	19	ug/L	B21H033	08/13/21	08/31/21	8270D
Benzo(a)pyrene	RE2	ND	U	19	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene	RE2	ND	U	19	"	"	"	"	8270D
Dibenz(a,h)anthracene	RE2	ND	U	19	"	"	"	"	8270D
Benzo(g,h,i)perylene	RE2	ND	U	19	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8	*RE2*		**1780 %**	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol	*RE2*		75 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5	*RE2*		82 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4	*RE2*		81 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE2*		63 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5	*RE2*		89 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl	*RE2*		80 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol	*RE2*		86 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14	*RE2*		67 %	*20-179%*		"	"	"	
Lab ID: 2108016-06									**Water - Sampled: 08/12/21 07:50**
Sample ID: AMCO-RMW-14-35-081221									**Dissolved Metals by EPA 200 Series Methods**
Iron		ND	U	100	ug/L	B21H045	08/16/21	08/31/21	200.7_Dissolved
Arsenic	RE2	1.6		0.50	"	B21I006	09/07/21	09/08/21	200.8_Dissolved
Cobalt		0.45		0.25	"	B21H046	08/16/21	08/18/21	200.8_Dissolved
Manganese		44		2	"	"	"	"	200.8_Dissolved
Nickel		2.0		1	"	"	"	"	200.8_Dissolved
Selenium	RE1	6.6		1	"	"	"	08/19/21	200.8_Dissolved
Sample ID: AMCO-RMW-14-35-081221									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	U	0.5	"	B21H036	08/13/21	08/13/21	524.2
Chloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Vinyl chloride	RE1	ND	U	0.5	"	"	"	"	524.2
Bromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Acetone	RE1	2.8	C1, J	4	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: **2108016-06** **Water - Sampled: 08/12/21 07:50**

Sample ID: **AMCO-RMW-14-35-081221**

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
2-Butanone (MEK)	RE1	ND	U	4	ug/L	B21H036	08/13/21	08/13/21	524.2
Bromochloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroform	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Benzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Trichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Toluene	RE1	ND	U	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Ethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
m&p-Xylene	RE1	ND	U	1	"	"	"	"	524.2
o-Xylene	RE1	ND	U	0.5	"	"	"	"	524.2
Styrene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromoform	RE1	ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Propylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-06									**Water - Sampled: 08/12/21 07:50**
Sample ID: AMCO-RMW-14-35-081221									**Volatile Organic Compounds by EPA Method 524.2**
1,2,4-Trimethylbenzene	RE1	ND	U	0.5	ug/L	B21H036	08/13/21	08/13/21	524.2
sec-Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	0.5	"	"	"	"	524.2
Naphthalene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		96 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE1*		101 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE1*		98 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		100 %	*74-113%*		"	"	"	
Sample ID: AMCO-RMW-14-35-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		ND	U	1	"	B21H033	08/13/21	08/23/21	8270D
Phenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	1	"	"	"	"	8270D
2-Chlorophenol		ND	U	5	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
Benzyl alcohol		ND	U	5	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
2-Methylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	1	"	"	"	"	8270D
3&4-Methylphenol		ND	U	5	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	1	"	"	"	"	8270D
Hexachloroethane		ND	U	1	"	"	"	"	8270D
Nitrobenzene		ND	U	1	"	"	"	"	8270D
Isophorone		ND	U	1	"	"	"	"	8270D
2-Nitrophenol		ND	U	5	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	5	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108016-06**								**Water - Sampled: 08/12/21 07:50**
Sample ID:	**AMCO-RMW-14-35-081221**								
						Semivolatile Organic Compounds by EPA Method 8270D			
1,2,4-Trichlorobenzene		ND	U	1	ug/L	B21H033	08/13/21	08/23/21	8270D
Naphthalene		ND	U	1	"	"	"	"	8270D
4-Chloroaniline		ND	U	5	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	1	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	5	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	1	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	5	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	1	"	"	"	"	8270D
2-Nitroaniline		ND	U	5	"	"	"	"	8270D
Dimethyl phthalate		ND	U	1	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Acenaphthylene		ND	U	1	"	"	"	"	8270D
3-Nitroaniline		ND	U	5	"	"	"	"	8270D
Acenaphthene		ND	U	1	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	20	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	5	"	"	"	"	8270D
Dibenzofuran		ND	U	1	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Diethyl phthalate		ND	U	1	"	"	"	"	8270D
Fluorene		ND	U	1	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
4-Nitroaniline		ND	U	5	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	5	"	"	"	"	8270D
Diphenyl amine		ND	U	1	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
Hexachlorobenzene		ND	U	1	"	"	"	"	8270D
Pentachlorophenol		ND	U	20	"	"	"	"	8270D
Phenanthrene		ND	U	1	"	"	"	"	8270D
Anthracene		ND	U	1	"	"	"	"	8270D
Carbazole		ND	U	1	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	1	"	"	"	"	8270D
Fluoranthene		ND	U	1	"	"	"	"	8270D
Pyrene		ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	1	"	"	"	"	8270D

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-06									**Water - Sampled: 08/12/21 07:50**
Sample ID: AMCO-RMW-14-35-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
Benzo(a)anthracene		ND	U	1	ug/L	B21H033	08/13/21	08/23/21	8270D
3,3'-Dichlorobenzidine		ND	U	5	"	"	"	"	8270D
Chrysene		ND	U	1	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		0.7	C1, J	1	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	1	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	1	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	1	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			48 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			**50 %**	*54-110%*		"	"	"	
Surrogate: Phenol-d5			55 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			48 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			56 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			59 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			63 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			79 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			94 %	*20-179%*		"	"	"	
Lab ID: 2108016-07									**Water - Sampled: 08/12/21 08:50**
Sample ID: AMCO-BMW-07-081221									**Dissolved Metals by EPA 200 Series Methods**
Iron		81	C1, J	100	ug/L	B21H045	08/16/21	08/31/21	200.7_Dissolved
Manganese		1,000		5	"	"	"	"	200.7_Dissolved
Arsenic		7.7		0.50	"	B21H046	08/16/21	08/18/21	200.8_Dissolved
Cobalt		2.3		0.25	"	"	"	"	200.8_Dissolved
Nickel		9.0		1	"	"	"	"	200.8_Dissolved
Selenium	RE1	4.8		1	"	"	"	08/19/21	200.8_Dissolved
Sample ID: AMCO-BMW-07-081221									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	U	0.5	"	B21H036	08/13/21	08/13/21	524.2
Chloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Vinyl chloride	RE1	ND	U	0.5	"	"	"	"	524.2
Bromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Acetone	RE1	ND	U	4	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-07 — **Water - Sampled: 08/12/21 08:50**

Sample ID: AMCO-BMW-07-081221

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Dichloromethane	RE1	ND	U	0.5	ug/L	B21H036	08/13/21	08/13/21	524.2
trans-1,2-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	4	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroform	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Benzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Trichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Toluene	RE1	0.3	C1, J	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Ethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
m&p-Xylene	RE1	ND	U	1	"	"	"	"	524.2
o-Xylene	RE1	ND	U	0.5	"	"	"	"	524.2
Styrene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromoform	RE1	ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-07									**Water - Sampled: 08/12/21 08:50**
Sample ID: AMCO-BMW-07-081221									**Volatile Organic Compounds by EPA Method 524.2**
1,2,3-Trichloropropane	RE1	ND	U	0.5	ug/L	B21H036	08/13/21	08/13/21	524.2
Propylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	0.5	"	"	"	"	524.2
Naphthalene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		98 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE1*		102 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE1*		98 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		99 %	*74-113%*		"	"	"	
Sample ID: AMCO-BMW-07-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		5.0		1	"	B21H033	08/13/21	08/23/21	8270D
Phenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	1	"	"	"	"	8270D
2-Chlorophenol		ND	U	5	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
Benzyl alcohol		ND	U	5	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
2-Methylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	1	"	"	"	"	8270D
3&4-Methylphenol		ND	U	5	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	1	"	"	"	"	8270D
Hexachloroethane		ND	U	1	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108016-07**								**Water - Sampled: 08/12/21 08:50**
Sample ID:	**AMCO-BMW-07-081221**								
						Semivolatile Organic Compounds by EPA Method 8270D			
Nitrobenzene		ND	U	1	ug/L	B21H033	08/13/21	08/23/21	8270D
Isophorone		ND	U	1	"	"	"	"	8270D
2-Nitrophenol		ND	U	5	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	5	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	1	"	"	"	"	8270D
Naphthalene		ND	U	1	"	"	"	"	8270D
4-Chloroaniline		ND	U	5	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	1	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	5	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	1	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	5	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	1	"	"	"	"	8270D
2-Nitroaniline		ND	U	5	"	"	"	"	8270D
Dimethyl phthalate		ND	U	1	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Acenaphthylene		ND	U	1	"	"	"	"	8270D
3-Nitroaniline		ND	U	5	"	"	"	"	8270D
Acenaphthene		ND	U	1	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	20	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	5	"	"	"	"	8270D
Dibenzofuran		ND	U	1	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Diethyl phthalate		ND	U	1	"	"	"	"	8270D
Fluorene		ND	U	1	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
4-Nitroaniline		ND	U	5	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	5	"	"	"	"	8270D
Diphenyl amine		ND	U	1	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
Hexachlorobenzene		ND	U	1	"	"	"	"	8270D
Pentachlorophenol		ND	U	20	"	"	"	"	8270D
Phenanthrene		ND	U	1	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108016-07**								**Water - Sampled: 08/12/21 08:50**
Sample ID:	**AMCO-BMW-07-081221**								
						Semivolatile Organic Compounds by EPA Method 8270D			
Anthracene		ND	U	1	ug/L	B21H033	08/13/21	08/23/21	8270D
Carbazole		ND	U	1	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	1	"	"	"	"	8270D
Fluoranthene		ND	U	1	"	"	"	"	8270D
Pyrene		ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	1	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	5	"	"	"	"	8270D
Chrysene		ND	U	1	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	1	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	1	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	1	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	1	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			40 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			55 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			62 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			63 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			54 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			64 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			74 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			103 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			90 %	*20-179%*		"	"	"	

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-08									**Water - Sampled: 08/12/21 10:15**
Sample ID: AMCO-RMW-14-50-081221									**Dissolved Metals by EPA 200 Series Methods**
Iron		190		100	ug/L	B21H045	08/16/21	08/31/21	200.7_Dissolved
Manganese		3,700		5	"	"	"	"	200.7_Dissolved
Arsenic		19		0.50	"	B21H046	08/16/21	08/18/21	200.8_Dissolved
Cobalt		5.3		0.25	"	"	"	"	200.8_Dissolved
Nickel		34		1	"	"	"	"	200.8_Dissolved
Selenium	RE1	12		1	"	"	"	08/19/21	200.8_Dissolved
Sample ID: AMCO-RMW-14-50-081221									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	C3, J, U	0.5	"	B21H035	08/13/21	08/13/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride		0.4	C1, J	0.5	"	"	"	"	524.2
Bromomethane		ND	U	0.5	"	"	"	"	524.2
Chloroethane		ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene		0.9		0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	"	"	"	524.2
Acetone		2.3	C1, C3, C4, J	4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		0.6		0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane		0.6		0.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	21		2.5	"	B21H041	08/16/21	08/16/21	524.2
2-Butanone (MEK)		ND	U	4	"	B21H035	08/13/21	08/13/21	524.2
Bromochloromethane		ND	U	0.5	"	"	"	"	524.2
Chloroform		ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Benzene		0.2	C1, J	0.5	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
Trichloroethene	RE1	51		2.5	"	B21H041	08/16/21	08/16/21	524.2
1,2-Dichloropropane		ND	U	0.5	"	B21H035	08/13/21	08/13/21	524.2
Dibromomethane		ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane		ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Toluene		ND	U	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		0.4	C1, J	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	0.5	"	"	"	"	524.2

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-08 — **Water - Sampled: 08/12/21 10:15**

Sample ID: AMCO-RMW-14-50-081221

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Tetrachloroethene		ND	U	0.5	ug/L	B21H035	08/13/21	08/13/21	524.2
1,3-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
Ethylbenzene		ND	U	0.5	"	"	"	"	524.2
m&p-Xylene		ND	U	1	"	"	"	"	524.2
o-Xylene		ND	U	0.5	"	"	"	"	524.2
Styrene		ND	U	0.5	"	"	"	"	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		ND	U	0.5	"	"	"	"	524.2
Bromobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	0.5	"	"	"	"	524.2
Propylbenzene		ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	0.5	"	"	"	"	524.2
Naphthalene		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			110 %	*83-116%*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4	*RE1*		101 %	*83-116%*		*B21H041*	*08/16/21*	*08/16/21*	
Surrogate: Toluene-d8			99 %	*81-112%*		*B21H035*	*08/13/21*	*08/13/21*	
Surrogate: Toluene-d8	*RE1*		98 %	*81-112%*		*B21H041*	*08/16/21*	*08/16/21*	

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-08									**Water - Sampled: 08/12/21 10:15**
Sample ID: AMCO-RMW-14-50-081221									**Volatile Organic Compounds by EPA Method 524.2**
Surrogate: 4-Bromofluorobenzene			100 %	*80-110%*		*B21H035*	*08/13/21*	*08/13/21*	
Surrogate: 4-Bromofluorobenzene	*RE1*		97 %	*80-110%*		*B21H041*	*08/16/21*	*08/16/21*	
Surrogate: 1,2-Dichlorobenzene-d4			104 %	*74-113%*		*B21H035*	*08/13/21*	*08/13/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		97 %	*74-113%*		*B21H041*	*08/16/21*	*08/16/21*	
Sample ID: AMCO-RMW-14-50-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		2.9		0.9	"	B21H033	08/13/21	08/23/21	8270D
Phenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	0.9	"	"	"	"	8270D
2-Chlorophenol		ND	U	4.7	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
Benzyl alcohol		ND	U	4.7	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
2-Methylphenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	0.9	"	"	"	"	8270D
3&4-Methylphenol		ND	U	4.7	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	0.9	"	"	"	"	8270D
Hexachloroethane		ND	U	0.9	"	"	"	"	8270D
Nitrobenzene		ND	U	0.9	"	"	"	"	8270D
Isophorone		ND	U	0.9	"	"	"	"	8270D
2-Nitrophenol		ND	U	4.7	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	0.9	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	4.7	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	0.9	"	"	"	"	8270D
Naphthalene		ND	U	0.9	"	"	"	"	8270D
4-Chloroaniline		ND	U	4.7	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	0.9	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	4.7	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	0.9	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	4.7	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	4.7	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	4.7	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	0.9	"	"	"	"	8270D
2-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
Dimethyl phthalate		ND	U	0.9	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108016-08**								**Water - Sampled: 08/12/21 10:15**
Sample ID:	**AMCO-RMW-14-50-081221**								
						Semivolatile Organic Compounds by EPA Method 8270D			
Acenaphthylene		ND	U	0.9	ug/L	B21H033	08/13/21	08/23/21	8270D
3-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
Acenaphthene		ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	19	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	4.7	"	"	"	"	8270D
Dibenzofuran		ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Diethyl phthalate		ND	U	0.9	"	"	"	"	8270D
Fluorene		ND	U	0.9	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
4-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	4.7	"	"	"	"	8270D
Diphenyl amine		ND	U	0.9	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
Hexachlorobenzene		ND	U	0.9	"	"	"	"	8270D
Pentachlorophenol		ND	U	19	"	"	"	"	8270D
Phenanthrene		ND	U	0.9	"	"	"	"	8270D
Anthracene		ND	U	0.9	"	"	"	"	8270D
Carbazole		ND	U	0.9	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	0.9	"	"	"	"	8270D
Fluoranthene		ND	U	0.9	"	"	"	"	8270D
Pyrene		ND	U	0.9	"	"	"	"	8270D
Butyl benzyl phthalate		0.7	C1, J	0.9	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	0.9	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	4.7	"	"	"	"	8270D
Chrysene		ND	U	0.9	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	0.9	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	0.9	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	0.9	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	0.9	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	0.9	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	0.9	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			47 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			**51 %**	*54-110%*		"	"	"	

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-08									**Water - Sampled: 08/12/21 10:15**
Sample ID: AMCO-RMW-14-50-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
Surrogate: Phenol-d5		51 %		*29-127%*		*B21H033*	*08/13/21*	*08/23/21*	
Surrogate: 2-Chlorophenol-d4		54 %		*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4		50 %		*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5		55 %		*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl		55 %		*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol		91 %		*37-150%*		"	"	"	
Surrogate: Terphenyl-d14		39 %		*20-179%*		"	"	"	
Lab ID: 2108016-09									**Water - Sampled: 08/12/21 12:15**
Sample ID: AMCO-BMW-03-081221									**Dissolved Metals by EPA 200 Series Methods**
Arsenic		160		20	ug/L	B21H045	08/16/21	08/31/21	200.7_Dissolved
Iron		ND	U	100	"	"	"	"	200.7_Dissolved
Manganese		6,000		5	"	"	"	"	200.7_Dissolved
Cobalt		11		0.25	"	B21H046	08/16/21	08/18/21	200.8_Dissolved
Nickel		33		1	"	"	"	"	200.8_Dissolved
Selenium	RE1	7.3		1	"	"	"	08/19/21	200.8_Dissolved
Sample ID: AMCO-BMW-03-081221									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	U	1	"	B21H036	08/13/21	08/13/21	524.2
Chloromethane	RE1	ND	U	1	"	"	"	"	524.2
Vinyl chloride	RE1	1.2		1	"	"	"	"	524.2
Bromomethane	RE1	ND	U	1	"	"	"	"	524.2
Chloroethane	RE1	ND	U	1	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	1	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	1	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	1	"	"	"	"	524.2
Acetone	RE1	ND	C1, U	8	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	1	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	0.6	C1, J	1	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	4	"	"	"	"	524.2
1,1-Dichloroethane	RE1	24		1	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	1	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	24		1	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	8	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	1	"	"	"	"	524.2
Chloroform	RE1	ND	U	1	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	1	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	1	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	1	"	"	"	"	524.2
Benzene	RE1	ND	U	1	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-09 — **Water - Sampled: 08/12/21 12:15**

Sample ID: AMCO-BMW-03-081221

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,2-Dichloroethane	RE1	0.6	C1, J	1	ug/L	B21H036	08/13/21	08/13/21	524.2
Trichloroethene	RE1	1.6		1	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	1	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	1	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	U	1	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	1	"	"	"	"	524.2
Toluene	RE1	ND	U	1	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	U	1	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	1	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	1	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	1	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	1	"	"	"	"	524.2
Chlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	1	"	"	"	"	524.2
Ethylbenzene	RE1	ND	U	1	"	"	"	"	524.2
m&p-Xylene	RE1	ND	U	2	"	"	"	"	524.2
o-Xylene	RE1	ND	U	1	"	"	"	"	524.2
Styrene	RE1	ND	U	1	"	"	"	"	524.2
Bromoform	RE1	ND	U	1	"	"	"	"	524.2
Isopropylbenzene	RE1	ND	U	1	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	1	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	1	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	1	"	"	"	"	524.2
Propylbenzene	RE1	ND	U	1	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	1	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	1	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	1	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	1	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	ND	U	1	"	"	"	"	524.2
sec-Butylbenzene	RE1	ND	U	1	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
p-Isopropyltoluene	RE1	ND	U	1	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	4	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-09									**Water - Sampled: 08/12/21 12:15**
Sample ID: AMCO-BMW-03-081221									**Volatile Organic Compounds by EPA Method 524.2**
1,2,4-Trichlorobenzene	RE1	ND	U	1	ug/L	B21H036	08/13/21	08/13/21	524.2
Hexachlorobutadiene	RE1	ND	U	1	"	"	"	"	524.2
Naphthalene	RE1	ND	U	1	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		103 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE1*		99 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE1*		99 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		100 %	*74-113%*		"	"	"	
Sample ID: AMCO-BMW-03-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE2	140		19	"	B21H033	08/13/21	08/25/21	8270D
Phenol	RE1	ND	U	24	"	"	"	08/24/21	8270D
Bis(2-chloroethyl)ether	RE1	ND	U	4.8	"	"	"	"	8270D
2-Chlorophenol	RE1	ND	U	24	"	"	"	"	8270D
1,3-Dichlorobenzene	RE1	ND	U	4.8	"	"	"	"	8270D
1,4-Dichlorobenzene	RE1	ND	U	4.8	"	"	"	"	8270D
Benzyl alcohol	RE1	ND	U	24	"	"	"	"	8270D
1,2-Dichlorobenzene	RE1	ND	U	4.8	"	"	"	"	8270D
2-Methylphenol	RE1	ND	U	24	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether	RE1	ND	U	4.8	"	"	"	"	8270D
3&4-Methylphenol	RE1	ND	U	24	"	"	"	"	8270D
N-Nitrosodipropylamine	RE1	ND	U	4.8	"	"	"	"	8270D
Hexachloroethane	RE1	ND	U	4.8	"	"	"	"	8270D
Nitrobenzene	RE1	ND	U	4.8	"	"	"	"	8270D
Isophorone	RE1	ND	U	4.8	"	"	"	"	8270D
2-Nitrophenol	RE1	ND	U	24	"	"	"	"	8270D
2,4-Dimethylphenol	RE1	ND	U	24	"	"	"	"	8270D
Bis(2-chloroethoxy)methane	RE1	ND	U	4.8	"	"	"	"	8270D
2,4-Dichlorophenol	RE1	ND	U	24	"	"	"	"	8270D
1,2,4-Trichlorobenzene	RE1	ND	U	4.8	"	"	"	"	8270D
Naphthalene	RE1	ND	U	4.8	"	"	"	"	8270D
4-Chloroaniline	RE1	ND	U	24	"	"	"	"	8270D
Hexachlorobutadiene	RE1	ND	U	4.8	"	"	"	"	8270D
4-Chloro-3-methylphenol	RE1	ND	U	24	"	"	"	"	8270D
2-Methylnaphthalene	RE1	ND	U	4.8	"	"	"	"	8270D
Hexachlorocyclopentadiene	RE1	ND	U	24	"	"	"	"	8270D
2,4,6-Trichlorophenol	RE1	ND	U	24	"	"	"	"	8270D

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-09 — **Water - Sampled: 08/12/21 12:15**

Sample ID: AMCO-BMW-03-081221

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
2,4,5-Trichlorophenol	RE1	ND	U	24	ug/L	B21H033	08/13/21	08/24/21	8270D
2-Chloronaphthalene	RE1	ND	U	4.8	"	"	"	"	8270D
2-Nitroaniline	RE1	ND	U	24	"	"	"	"	8270D
Dimethyl phthalate	RE1	ND	U	4.8	"	"	"	"	8270D
2,6-Dinitrotoluene	RE1	ND	U	4.8	"	"	"	"	8270D
Acenaphthylene	RE1	ND	U	4.8	"	"	"	"	8270D
3-Nitroaniline	RE1	ND	U	24	"	"	"	"	8270D
Acenaphthene	RE1	ND	U	4.8	"	"	"	"	8270D
2,4-Dinitrophenol	RE1	ND	C3, C4, J, U	95	"	"	"	"	8270D
4-Nitrophenol	RE1	ND	C3, J, U	24	"	"	"	"	8270D
Dibenzofuran	RE1	ND	U	4.8	"	"	"	"	8270D
2,4-Dinitrotoluene	RE1	ND	U	4.8	"	"	"	"	8270D
Diethyl phthalate	RE1	ND	U	4.8	"	"	"	"	8270D
Fluorene	RE1	ND	U	4.8	"	"	"	"	8270D
4-Chlorophenyl phenyl ether	RE1	ND	U	4.8	"	"	"	"	8270D
4-Nitroaniline	RE1	ND	U	24	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol	RE1	ND	C4, J, Q3, U	24	"	"	"	"	8270D
Diphenyl amine	RE1	ND	U	4.8	"	"	"	"	8270D
4-Bromophenyl phenyl ether	RE1	ND	U	4.8	"	"	"	"	8270D
Hexachlorobenzene	RE1	ND	U	4.8	"	"	"	"	8270D
Pentachlorophenol	RE1	ND	U	95	"	"	"	"	8270D
Phenanthrene	RE1	ND	U	4.8	"	"	"	"	8270D
Anthracene	RE1	ND	U	4.8	"	"	"	"	8270D
Carbazole	RE1	ND	U	4.8	"	"	"	"	8270D
Di-n-butyl phthalate	RE1	ND	U	4.8	"	"	"	"	8270D
Fluoranthene	RE1	ND	U	4.8	"	"	"	"	8270D
Pyrene	RE1	ND	U	4.8	"	"	"	"	8270D
Butyl benzyl phthalate	RE1	ND	U	4.8	"	"	"	"	8270D
Benzo(a)anthracene	RE1	ND	U	4.8	"	"	"	"	8270D
3,3'-Dichlorobenzidine	RE1	ND	U	24	"	"	"	"	8270D
Chrysene	RE1	ND	U	4.8	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate	RE1	ND	U	4.8	"	"	"	"	8270D
Di-n-octyl phthalate	RE1	ND	U	4.8	"	"	"	"	8270D
Benzo(b)fluoranthene	RE1	ND	U	4.8	"	"	"	"	8270D
Benzo(k)fluoranthene	RE1	ND	U	4.8	"	"	"	"	8270D
Benzo(a)pyrene	RE1	ND	U	4.8	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-09									**Water - Sampled: 08/12/21 12:15**
Sample ID: AMCO-BMW-03-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
Indeno(1,2,3-cd)pyrene	RE1	ND	U	4.8	ug/L	B21H033	08/13/21	08/24/21	8270D
Dibenz(a,h)anthracene	RE1	ND	U	4.8	"	"	"	"	8270D
Benzo(g,h,i)perylene	RE1	ND	U	4.8	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8	*RE1*		47 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol	*RE1*		61 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5	*RE1*		64 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4	*RE1*		68 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		61 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5	*RE1*		69 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl	*RE1*		82 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol	*RE1*		92 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14	*RE1*		92 %	*20-179%*		"	"	"	
Lab ID: 2108016-10									**Water - Sampled: 08/12/21 13:50**
Sample ID: AMCO-RMW-10-79-081221									**Dissolved Metals by EPA 200 Series Methods**
Iron		ND	U	100	ug/L	B21H045	08/16/21	08/31/21	200.7_Dissolved
Manganese		19,000		5	"	"	"	"	200.7_Dissolved
Arsenic	RE1	9.1	C1, J	10	"	B21H046	08/16/21	08/19/21	200.8_Dissolved
Cobalt	RE1	7.0		5	"	"	"	"	200.8_Dissolved
Nickel	RE1	60		20	"	"	"	"	200.8_Dissolved
Selenium	RE1	270		20	"	"	"	"	200.8_Dissolved
Sample ID: AMCO-RMW-10-79-081221									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	U	1	"	B21H041	08/16/21	08/16/21	524.2
Chloromethane	RE1	ND	U	1	"	"	"	"	524.2
Vinyl chloride	RE1	ND	U	1	"	"	"	"	524.2
Bromomethane	RE1	ND	U	1	"	"	"	"	524.2
Chloroethane	RE1	ND	U	1	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	1	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	1	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	1	"	"	"	"	524.2
Acetone	RE1	ND	U	8	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	1	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	ND	U	1	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	4	"	"	"	"	524.2
1,1-Dichloroethane	RE1	ND	U	1	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	1	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	ND	U	1	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	8	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-10 — **Water - Sampled: 08/12/21 13:50**

Sample ID: AMCO-RMW-10-79-081221

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Bromochloromethane	RE1	ND	U	1	ug/L	B21H041	08/16/21	08/16/21	524.2
Chloroform	RE1	0.8	C1, J	1	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	1	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	1	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	1	"	"	"	"	524.2
Benzene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	1	"	"	"	"	524.2
Trichloroethene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	1	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	1	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	U	1	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	1	"	"	"	"	524.2
Toluene	RE1	ND	U	1	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	U	1	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	1	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	1	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	1	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	1	"	"	"	"	524.2
Chlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	1	"	"	"	"	524.2
Ethylbenzene	RE1	ND	U	1	"	"	"	"	524.2
m&p-Xylene	RE1	ND	U	2	"	"	"	"	524.2
o-Xylene	RE1	ND	U	1	"	"	"	"	524.2
Styrene	RE1	ND	U	1	"	"	"	"	524.2
Bromoform	RE1	ND	U	1	"	"	"	"	524.2
Isopropylbenzene	RE1	ND	U	1	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	1	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	1	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	1	"	"	"	"	524.2
Propylbenzene	RE1	ND	U	1	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	1	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	1	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	1	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	1	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	ND	U	1	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-10									**Water - Sampled: 08/12/21 13:50**
Sample ID: AMCO-RMW-10-79-081221									**Volatile Organic Compounds by EPA Method 524.2**
sec-Butylbenzene	RE1	ND	U	1	ug/L	B21H041	08/16/21	08/16/21	524.2
1,3-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
p-Isopropyltoluene	RE1	ND	U	1	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	4	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	1	"	"	"	"	524.2
Naphthalene	RE1	ND	U	1	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		109 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE1*		98 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE1*		102 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		109 %	*74-113%*		"	"	"	
Sample ID: AMCO-RMW-10-79-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE1	ND	U	0.9	"	B21H033	08/13/21	08/25/21	8270D
Phenol	RE1	ND	U	4.6	"	"	"	"	8270D
Bis(2-chloroethyl)ether	RE1	ND	U	0.9	"	"	"	"	8270D
2-Chlorophenol	RE1	ND	U	4.6	"	"	"	"	8270D
1,3-Dichlorobenzene	RE1	ND	U	0.9	"	"	"	"	8270D
1,4-Dichlorobenzene	RE1	ND	U	0.9	"	"	"	"	8270D
Benzyl alcohol	RE1	ND	U	4.6	"	"	"	"	8270D
1,2-Dichlorobenzene	RE1	ND	U	0.9	"	"	"	"	8270D
2-Methylphenol	RE1	ND	U	4.6	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether	RE1	ND	U	0.9	"	"	"	"	8270D
3&4-Methylphenol	RE1	ND	U	4.6	"	"	"	"	8270D
N-Nitrosodipropylamine	RE1	ND	U	0.9	"	"	"	"	8270D
Hexachloroethane	RE1	ND	U	0.9	"	"	"	"	8270D
Nitrobenzene	RE1	ND	U	0.9	"	"	"	"	8270D
Isophorone	RE1	ND	U	0.9	"	"	"	"	8270D
2-Nitrophenol	RE1	ND	U	4.6	"	"	"	"	8270D
2,4-Dimethylphenol	RE1	ND	U	4.6	"	"	"	"	8270D
Bis(2-chloroethoxy)methane	RE1	ND	U	0.9	"	"	"	"	8270D
2,4-Dichlorophenol	RE1	ND	U	4.6	"	"	"	"	8270D
1,2,4-Trichlorobenzene	RE1	ND	U	0.9	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-10 — **Water - Sampled: 08/12/21 13:50**

Sample ID: AMCO-RMW-10-79-081221

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Naphthalene	RE1	ND	U	0.9	ug/L	B21H033	08/13/21	08/25/21	8270D
4-Chloroaniline	RE1	ND	U	4.6	"	"	"	"	8270D
Hexachlorobutadiene	RE1	ND	U	0.9	"	"	"	"	8270D
4-Chloro-3-methylphenol	RE1	ND	J, Q3, U	4.6	"	"	"	"	8270D
2-Methylnaphthalene	RE1	ND	U	0.9	"	"	"	"	8270D
Hexachlorocyclopentadiene	RE1	ND	U	4.6	"	"	"	"	8270D
2,4,6-Trichlorophenol	RE1	ND	U	4.6	"	"	"	"	8270D
2,4,5-Trichlorophenol	RE1	ND	U	4.6	"	"	"	"	8270D
2-Chloronaphthalene	RE1	ND	U	0.9	"	"	"	"	8270D
2-Nitroaniline	RE1	ND	U	4.6	"	"	"	"	8270D
Dimethyl phthalate	RE1	ND	U	0.9	"	"	"	"	8270D
2,6-Dinitrotoluene	RE1	ND	U	0.9	"	"	"	"	8270D
Acenaphthylene	RE1	ND	U	0.9	"	"	"	"	8270D
3-Nitroaniline	RE1	ND	U	4.6	"	"	"	"	8270D
Acenaphthene	RE1	ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrophenol	RE1	ND	J, C3, C4, U	18	"	"	"	"	8270D
4-Nitrophenol	RE1	ND	C3, J, U	4.6	"	"	"	"	8270D
Dibenzofuran	RE1	ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrotoluene	RE1	ND	U	0.9	"	"	"	"	8270D
Diethyl phthalate	RE1	ND	U	0.9	"	"	"	"	8270D
Fluorene	RE1	ND	U	0.9	"	"	"	"	8270D
4-Chlorophenyl phenyl ether	RE1	ND	U	0.9	"	"	"	"	8270D
4-Nitroaniline	RE1	ND	U	4.6	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol	RE1	ND	U	4.6	"	"	"	"	8270D
Diphenyl amine	RE1	ND	U	0.9	"	"	"	"	8270D
4-Bromophenyl phenyl ether	RE1	ND	U	0.9	"	"	"	"	8270D
Hexachlorobenzene	RE1	ND	U	0.9	"	"	"	"	8270D
Pentachlorophenol	RE1	ND	C4, J, U	18	"	"	"	"	8270D
Phenanthrene	RE1	ND	U	0.9	"	"	"	"	8270D
Anthracene	RE1	ND	U	0.9	"	"	"	"	8270D
Carbazole	RE1	ND	U	0.9	"	"	"	"	8270D
Di-n-butyl phthalate	RE1	ND	U	0.9	"	"	"	"	8270D
Fluoranthene	RE1	ND	U	0.9	"	"	"	"	8270D
Pyrene	RE1	ND	U	0.9	"	"	"	"	8270D
Butyl benzyl phthalate	RE1	ND	U	0.9	"	"	"	"	8270D
Benzo(a)anthracene	RE1	ND	U	0.9	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-10									**Water - Sampled: 08/12/21 13:50**
Sample ID: AMCO-RMW-10-79-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
3,3'-Dichlorobenzidine	RE1	ND	U	4.6	ug/L	B21H033	08/13/21	08/25/21	8270D
Chrysene	RE1	ND	U	0.9	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate	RE1	ND	U	0.9	"	"	"	"	8270D
Di-n-octyl phthalate	RE1	ND	U	0.9	"	"	"	"	8270D
Benzo(b)fluoranthene	RE1	ND	U	0.9	"	"	"	"	8270D
Benzo(k)fluoranthene	RE1	ND	U	0.9	"	"	"	"	8270D
Benzo(a)pyrene	RE1	ND	U	0.9	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene	RE1	ND	U	0.9	"	"	"	"	8270D
Dibenz(a,h)anthracene	RE1	ND	U	0.9	"	"	"	"	8270D
Benzo(g,h,i)perylene	RE1	ND	U	0.9	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8	*RE1*		42 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol	*RE1*		**49 %**	*54-110%*		"	"	"	
Surrogate: Phenol-d5	*RE1*		55 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4	*RE1*		52 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		46 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5	*RE1*		54 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl	*RE1*		59 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol	*RE1*		76 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14	*RE1*		58 %	*20-179%*		"	"	"	
Lab ID: 2108016-11									**Water - Sampled: 08/12/21 12:20**
Sample ID: AMCO-DUP5-081221									**Dissolved Metals by EPA 200 Series Methods**
Arsenic		160		20	ug/L	B21H045	08/16/21	08/31/21	200.7_Dissolved
Iron		ND	U	100	"	"	"	"	200.7_Dissolved
Manganese		6,000		5	"	"	"	"	200.7_Dissolved
Cobalt		11		0.25	"	B21H046	08/16/21	08/18/21	200.8_Dissolved
Nickel		33		1	"	"	"	"	200.8_Dissolved
Selenium	RE1	7.9		1	"	"	"	08/19/21	200.8_Dissolved
Sample ID: AMCO-DUP5-081221									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	U	1	"	B21H036	08/13/21	08/13/21	524.2
Chloromethane	RE1	ND	U	1	"	"	"	"	524.2
Vinyl chloride	RE1	0.8	C1, J	1	"	"	"	"	524.2
Bromomethane	RE1	ND	U	1	"	"	"	"	524.2
Chloroethane	RE1	ND	U	1	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	1	"	"	"	"	524.2
1,1-Dichloroethene	RE1	0.8	C1, J	1	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	1	"	"	"	"	524.2
Acetone	RE1	6.8	C1, J	8	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	1	"	"	"	"	524.2

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-11 — **Water - Sampled: 08/12/21 12:20**

Sample ID: AMCO-DUP5-081221

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
trans-1,2-Dichloroethene	RE1	ND	U	1	ug/L	B21H036	08/13/21	08/13/21	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	4	"	"	"	"	524.2
1,1-Dichloroethane	RE1	19		1	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	1	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	23		1	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	8	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	1	"	"	"	"	524.2
Chloroform	RE1	ND	U	1	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	1	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	1	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	1	"	"	"	"	524.2
Benzene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	1	"	"	"	"	524.2
Trichloroethene	RE1	1.5		1	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	1	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	1	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	U	1	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	1	"	"	"	"	524.2
Toluene	RE1	ND	U	1	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	U	1	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	1	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	1	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	1	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	1	"	"	"	"	524.2
Chlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	1	"	"	"	"	524.2
Ethylbenzene	RE1	ND	U	1	"	"	"	"	524.2
m&p-Xylene	RE1	ND	U	2	"	"	"	"	524.2
o-Xylene	RE1	ND	U	1	"	"	"	"	524.2
Styrene	RE1	ND	U	1	"	"	"	"	524.2
Bromoform	RE1	ND	U	1	"	"	"	"	524.2
Isopropylbenzene	RE1	ND	U	1	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	1	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	1	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	1	"	"	"	"	524.2
Propylbenzene	RE1	ND	U	1	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-11									**Water - Sampled: 08/12/21 12:20**
Sample ID: AMCO-DUP5-081221									**Volatile Organic Compounds by EPA Method 524.2**
2-Chlorotoluene	RE1	ND	U	1	ug/L	B21H036	08/13/21	08/13/21	524.2
4-Chlorotoluene	RE1	ND	U	1	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	1	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	1	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	ND	U	1	"	"	"	"	524.2
sec-Butylbenzene	RE1	ND	U	1	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
p-Isopropyltoluene	RE1	ND	U	1	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	4	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	1	"	"	"	"	524.2
Naphthalene	RE1	ND	U	1	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		97 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE1*		101 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE1*		99 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		101 %	*74-113%*		"	"	"	
Sample ID: AMCO-DUP5-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE1	75		19	"	B21H033	08/13/21	08/25/21	8270D
Phenol		ND	U	4.7	"	"	"	08/24/21	8270D
Bis(2-chloroethyl)ether		ND	U	0.9	"	"	"	"	8270D
2-Chlorophenol		ND	U	4.7	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
Benzyl alcohol		ND	U	4.7	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
2-Methylphenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	0.9	"	"	"	"	8270D
3&4-Methylphenol		ND	U	4.7	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	0.9	"	"	"	"	8270D
Hexachloroethane		ND	U	0.9	"	"	"	"	8270D
Nitrobenzene		ND	U	0.9	"	"	"	"	8270D
Isophorone		ND	U	0.9	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-11									**Water - Sampled: 08/12/21 12:20**
Sample ID: AMCO-DUP5-081221									
						Semivolatile Organic Compounds by EPA Method 8270D			
2-Nitrophenol		ND	U	4.7	ug/L	B21H033	08/13/21	08/24/21	8270D
2,4-Dimethylphenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	0.9	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	4.7	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	0.9	"	"	"	"	8270D
Naphthalene		ND	U	0.9	"	"	"	"	8270D
4-Chloroaniline		ND	U	4.7	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	0.9	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	4.7	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	0.9	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	4.7	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	4.7	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	4.7	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	0.9	"	"	"	"	8270D
2-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
Dimethyl phthalate		ND	U	0.9	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Acenaphthylene		ND	U	0.9	"	"	"	"	8270D
3-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
Acenaphthene		ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, C4, J, U	19	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	4.7	"	"	"	"	8270D
Dibenzofuran		ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Diethyl phthalate		ND	U	0.9	"	"	"	"	8270D
Fluorene		ND	U	0.9	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
4-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U, C4, J, Q3	4.7	"	"	"	"	8270D
Diphenyl amine		ND	U	0.9	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
Hexachlorobenzene		ND	U	0.9	"	"	"	"	8270D
Pentachlorophenol		ND	U	19	"	"	"	"	8270D
Phenanthrene		ND	U	0.9	"	"	"	"	8270D
Anthracene		ND	U	0.9	"	"	"	"	8270D
Carbazole		ND	U	0.9	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-11									**Water - Sampled: 08/12/21 12:20**
Sample ID: AMCO-DUP5-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
Di-n-butyl phthalate		ND	U	0.9	ug/L	B21H033	08/13/21	08/24/21	8270D
Fluoranthene		ND	U	0.9	"	"	"	"	8270D
Pyrene		ND	U	0.9	"	"	"	"	8270D
Butyl benzyl phthalate		0.5	C1, C4, J	0.9	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	0.9	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	4.7	"	"	"	"	8270D
Chrysene		ND	U	0.9	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		0.5	C1, J	0.9	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	0.9	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	0.9	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	0.9	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	0.9	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	0.9	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			**27 %**	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			**50 %**	*54-110%*		"	"	"	
Surrogate: Phenol-d5			62 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			63 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			49 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			63 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			78 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			100 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			51 %	*20-179%*		"	"	"	
Lab ID: 2108016-12									**Water - Sampled: 08/12/21 13:30**
Sample ID: AMCO-DUP6-081221									**Dissolved Metals by EPA 200 Series Methods**
Arsenic		1,100		20	ug/L	B21H045	08/16/21	08/31/21	200.7_Dissolved
Iron		8,100		100	"	"	"	"	200.7_Dissolved
Manganese		12,000		5	"	"	"	"	200.7_Dissolved
Cobalt		93		0.25	"	B21H046	08/16/21	08/18/21	200.8_Dissolved
Nickel	RE2	300		10	"	"	"	09/03/21	200.8_Dissolved
Selenium	RE1	24		1	"	"	"	08/19/21	200.8_Dissolved
Sample ID: AMCO-DUP6-081221									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	U	2.5	"	B21H049	08/17/21	08/17/21	524.2
Chloromethane	RE1	2.0	C1, J	2.5	"	"	"	"	524.2
Vinyl chloride		280		10	"	B21H034	08/13/21	08/13/21	524.2
Bromomethane	RE1	ND	C4, J, U	2.5	"	B21H049	08/17/21	08/17/21	524.2
Chloroethane	RE1	ND	U	2.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-12 — **Water - Sampled: 08/12/21 13:30**

Sample ID: AMCO-DUP6-081221

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Trichlorofluoromethane	RE1	ND	U	2.5	ug/L	B21H049	08/17/21	08/17/21	524.2
1,1-Dichloroethene	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Acetone	RE1	38	J, Q3	20	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	2.5	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	10		2.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	10	"	"	"	"	524.2
1,1-Dichloroethane	RE1	92		2.5	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	62		2.5	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	20	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	2.5	"	"	"	"	524.2
Chloroform	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	2.5	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	2.5	"	"	"	"	524.2
Benzene	RE1	2.4	C1, J	2.5	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Trichloroethene	RE1	12		2.5	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	2.5	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	U	2.5	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	2.5	"	"	"	"	524.2
Toluene	RE1	ND	U	2.5	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	2.5	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	2.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	2.5	"	"	"	"	524.2
Chlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Ethylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
m&p-Xylene	RE1	ND	U	5	"	"	"	"	524.2
o-Xylene	RE1	ND	U	2.5	"	"	"	"	524.2
Styrene	RE1	ND	U	2.5	"	"	"	"	524.2
Bromoform	RE1	ND	U	2.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-12									**Water - Sampled: 08/12/21 13:30**
Sample ID: AMCO-DUP6-081221									**Volatile Organic Compounds by EPA Method 524.2**
Isopropylbenzene	RE1	ND	U	2.5	ug/L	B21H049	08/17/21	08/17/21	524.2
Bromobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
Propylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	2.5	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	2.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
sec-Butylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
p-Isopropyltoluene	RE1	ND	U	2.5	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	10	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	2.5	"	"	"	"	524.2
Naphthalene	RE1	ND	U	2.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	5.0		2.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			94 %	*83-116%*		*B21H034*	*08/13/21*	*08/13/21*	
Surrogate: 1,2-Dichloroethane-d4	*RE1*		104 %	*83-116%*		*B21H049*	*08/17/21*	*08/17/21*	
Surrogate: Toluene-d8			95 %	*81-112%*		*B21H034*	*08/13/21*	*08/13/21*	
Surrogate: Toluene-d8	*RE1*		96 %	*81-112%*		*B21H049*	*08/17/21*	*08/17/21*	
Surrogate: 4-Bromofluorobenzene			97 %	*80-110%*		*B21H034*	*08/13/21*	*08/13/21*	
Surrogate: 4-Bromofluorobenzene	*RE1*		102 %	*80-110%*		*B21H049*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichlorobenzene-d4			96 %	*74-113%*		*B21H034*	*08/13/21*	*08/13/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		106 %	*74-113%*		*B21H049*	*08/17/21*	*08/17/21*	
Sample ID: AMCO-DUP6-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE2	420		94	"	B21H051	08/17/21	08/31/21	8270D
Phenol	RE1	ND	U	23	"	"	"	08/25/21	8270D
Bis(2-chloroethyl)ether	RE1	ND	U	4.7	"	"	"	"	8270D
2-Chlorophenol	RE1	ND	U	23	"	"	"	"	8270D
1,3-Dichlorobenzene	RE1	ND	U	4.7	"	"	"	"	8270D
1,4-Dichlorobenzene	RE1	ND	U	4.7	"	"	"	"	8270D
Benzyl alcohol	RE1	ND	U	23	"	"	"	"	8270D

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-12 — **Water - Sampled: 08/12/21 13:30**

Sample ID: AMCO-DUP6-081221

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,2-Dichlorobenzene	RE1	ND	U	4.7	ug/L	B21H051	08/17/21	08/25/21	8270D
2-Methylphenol	RE1	ND	U	23	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether	RE1	ND	C3, J, U	4.7	"	"	"	"	8270D
3&4-Methylphenol	RE1	ND	U	23	"	"	"	"	8270D
N-Nitrosodipropylamine	RE1	ND	U	4.7	"	"	"	"	8270D
Hexachloroethane	RE1	ND	U	4.7	"	"	"	"	8270D
Nitrobenzene	RE1	ND	U	4.7	"	"	"	"	8270D
Isophorone	RE1	ND	U	4.7	"	"	"	"	8270D
2-Nitrophenol	RE1	ND	U	23	"	"	"	"	8270D
2,4-Dimethylphenol	RE1	ND	U, C4, J	23	"	"	"	"	8270D
Bis(2-chloroethoxy)methane	RE1	ND	U	4.7	"	"	"	"	8270D
2,4-Dichlorophenol	RE1	ND	U	23	"	"	"	"	8270D
1,2,4-Trichlorobenzene	RE1	ND	U	4.7	"	"	"	"	8270D
Naphthalene	RE1	ND	U	4.7	"	"	"	"	8270D
4-Chloroaniline	RE1	ND	U	23	"	"	"	"	8270D
Hexachlorobutadiene	RE1	ND	U	4.7	"	"	"	"	8270D
4-Chloro-3-methylphenol	RE1	ND	U	23	"	"	"	"	8270D
2-Methylnaphthalene	RE1	ND	U	4.7	"	"	"	"	8270D
Hexachlorocyclopentadiene	RE1	ND	C3, J, U	23	"	"	"	"	8270D
2,4,6-Trichlorophenol	RE1	ND	U	23	"	"	"	"	8270D
2,4,5-Trichlorophenol	RE1	ND	U	23	"	"	"	"	8270D
2-Chloronaphthalene	RE1	ND	U	4.7	"	"	"	"	8270D
2-Nitroaniline	RE1	ND	U	23	"	"	"	"	8270D
Dimethyl phthalate	RE1	ND	U	4.7	"	"	"	"	8270D
2,6-Dinitrotoluene	RE1	ND	U	4.7	"	"	"	"	8270D
Acenaphthylene	RE1	ND	C3, J, U	4.7	"	"	"	"	8270D
3-Nitroaniline	RE1	ND	U, C3, J	23	"	"	"	"	8270D
Acenaphthene	RE1	ND	U	4.7	"	"	"	"	8270D
2,4-Dinitrophenol	RE1	ND	C3, J, U	94	"	"	"	"	8270D
4-Nitrophenol	RE1	ND	U	23	"	"	"	"	8270D
Dibenzofuran	RE1	ND	U	4.7	"	"	"	"	8270D
2,4-Dinitrotoluene	RE1	ND	U	4.7	"	"	"	"	8270D
Diethyl phthalate	RE1	ND	U	4.7	"	"	"	"	8270D
Fluorene	RE1	ND	U	4.7	"	"	"	"	8270D
4-Chlorophenyl phenyl ether	RE1	ND	U	4.7	"	"	"	"	8270D
4-Nitroaniline	RE1	ND	U	23	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-12 — **Water - Sampled: 08/12/21 13:30**

Sample ID: AMCO-DUP6-081221

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
4,6-Dinitro-2-methylphenol	RE1	ND	U	23	ug/L	B21H051	08/17/21	08/25/21	8270D
Diphenyl amine	RE1	ND	C3, J, U	4.7	"	"	"	"	8270D
4-Bromophenyl phenyl ether	RE1	ND	U	4.7	"	"	"	"	8270D
Hexachlorobenzene	RE1	ND	U	4.7	"	"	"	"	8270D
Pentachlorophenol	RE1	ND	C4, J, U	94	"	"	"	"	8270D
Phenanthrene	RE1	ND	U	4.7	"	"	"	"	8270D
Anthracene	RE1	ND	U	4.7	"	"	"	"	8270D
Carbazole	RE1	ND	U	4.7	"	"	"	"	8270D
Di-n-butyl phthalate	RE1	ND	U	4.7	"	"	"	"	8270D
Fluoranthene	RE1	ND	U	4.7	"	"	"	"	8270D
Pyrene	RE1	ND	U	4.7	"	"	"	"	8270D
Butyl benzyl phthalate	RE1	ND	J, Q3, U	4.7	"	"	"	"	8270D
Benzo(a)anthracene	RE1	ND	U	4.7	"	"	"	"	8270D
3,3'-Dichlorobenzidine	RE1	ND	C4, J, C3, U	23	"	"	"	"	8270D
Chrysene	RE1	ND	U	4.7	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate	RE1	ND	U	4.7	"	"	"	"	8270D
Di-n-octyl phthalate	RE1	ND	C3, J, Q3, U	4.7	"	"	"	"	8270D
Benzo(b)fluoranthene	RE1	ND	U	4.7	"	"	"	"	8270D
Benzo(k)fluoranthene	RE1	ND	U	4.7	"	"	"	"	8270D
Benzo(a)pyrene	RE1	ND	U	4.7	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene	RE1	ND	U	4.7	"	"	"	"	8270D
Dibenz(a,h)anthracene	RE1	ND	U	4.7	"	"	"	"	8270D
Benzo(g,h,i)perylene	RE1	ND	U	4.7	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8	*RE1*		67 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol	*RE1*		81 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5	*RE1*		66 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4	*RE1*		87 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		69 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5	*RE1*		89 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl	*RE1*		72 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol	*RE1*		76 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14	*RE1*		67 %	*20-179%*		"	"	"	

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-13									**Water - Sampled: 08/12/21 08:22**
Sample ID: AMCO-RMW-19-80-081221									**Dissolved Metals by EPA 200 Series Methods**
Iron		2,600		100	ug/L	B21H045	08/16/21	08/31/21	200.7_Dissolved
Manganese		28,000		5	"	"	"	"	200.7_Dissolved
Arsenic	RE2	11		10	"	B21H046	08/16/21	08/24/21	200.8_Dissolved
Cobalt	RE2	5.9		5	"	"	"	"	200.8_Dissolved
Nickel	RE2	100		20	"	"	"	"	200.8_Dissolved
Selenium	RE2	290		20	"	"	"	"	200.8_Dissolved
Sample ID: AMCO-RMW-19-80-081221									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE2	ND	U	1	"	B21H049	08/17/21	08/17/21	524.2
Chloromethane	RE2	ND	U	1	"	"	"	"	524.2
Vinyl chloride	RE2	ND	U	1	"	"	"	"	524.2
Bromomethane	RE2	ND	C4, J, U	1	"	"	"	"	524.2
Chloroethane	RE2	ND	U	1	"	"	"	"	524.2
Trichlorofluoromethane	RE2	ND	U	1	"	"	"	"	524.2
1,1-Dichloroethene	RE2	ND	U	1	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE2	ND	U	1	"	"	"	"	524.2
Acetone	RE2	ND	U	8	"	"	"	"	524.2
Dichloromethane	RE2	ND	U	1	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE2	ND	U	1	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE2	ND	U	4	"	"	"	"	524.2
1,1-Dichloroethane	RE2	ND	U	1	"	"	"	"	524.2
2,2-Dichloropropane	RE2	ND	U	1	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE2	ND	U	1	"	"	"	"	524.2
2-Butanone (MEK)	RE2	ND	U	8	"	"	"	"	524.2
Bromochloromethane	RE2	ND	U	1	"	"	"	"	524.2
Chloroform	RE2	ND	U	1	"	"	"	"	524.2
1,1,1-Trichloroethane	RE2	ND	U	1	"	"	"	"	524.2
Carbon tetrachloride	RE2	ND	U	1	"	"	"	"	524.2
1,1-Dichloropropene	RE2	ND	U	1	"	"	"	"	524.2
Benzene	RE2	ND	U	1	"	"	"	"	524.2
1,2-Dichloroethane	RE2	ND	U	1	"	"	"	"	524.2
Trichloroethene	RE2	ND	U	1	"	"	"	"	524.2
1,2-Dichloropropane	RE2	ND	U	1	"	"	"	"	524.2
Dibromomethane	RE2	ND	U	1	"	"	"	"	524.2
Bromodichloromethane	RE2	ND	U	1	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE2	ND	U	1	"	"	"	"	524.2
Toluene	RE2	ND	U	1	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE2	ND	U	1	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-13 — **Water - Sampled: 08/12/21 08:22**

Sample ID: AMCO-RMW-19-80-081221

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,1,2-Trichloroethane	RE2	ND	U	1	ug/L	B21H049	08/17/21	08/17/21	524.2
Tetrachloroethene	RE2	ND	U	1	"	"	"	"	524.2
1,3-Dichloropropane	RE2	ND	U	1	"	"	"	"	524.2
Chlorodibromomethane	RE2	ND	U	1	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE2	ND	U	1	"	"	"	"	524.2
Chlorobenzene	RE2	ND	U	1	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE2	ND	U	1	"	"	"	"	524.2
Ethylbenzene	RE2	ND	U	1	"	"	"	"	524.2
m&p-Xylene	RE2	ND	U	2	"	"	"	"	524.2
o-Xylene	RE2	ND	U	1	"	"	"	"	524.2
Styrene	RE2	ND	U	1	"	"	"	"	524.2
Bromoform	RE2	ND	U	1	"	"	"	"	524.2
Isopropylbenzene	RE2	ND	U	1	"	"	"	"	524.2
Bromobenzene	RE2	ND	U	1	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE2	ND	U	1	"	"	"	"	524.2
1,2,3-Trichloropropane	RE2	ND	U	1	"	"	"	"	524.2
Propylbenzene	RE2	ND	U	1	"	"	"	"	524.2
2-Chlorotoluene	RE2	ND	U	1	"	"	"	"	524.2
4-Chlorotoluene	RE2	ND	U	1	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE2	ND	U	1	"	"	"	"	524.2
tert-Butylbenzene	RE2	ND	U	1	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE2	ND	U	1	"	"	"	"	524.2
sec-Butylbenzene	RE2	ND	U	1	"	"	"	"	524.2
1,3-Dichlorobenzene	RE2	ND	U	1	"	"	"	"	524.2
p-Isopropyltoluene	RE2	ND	U	1	"	"	"	"	524.2
1,4-Dichlorobenzene	RE2	ND	U	1	"	"	"	"	524.2
1,2-Dichlorobenzene	RE2	ND	U	1	"	"	"	"	524.2
Butylbenzene	RE2	ND	U	1	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE2	ND	U	4	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE2	ND	U	1	"	"	"	"	524.2
Hexachlorobutadiene	RE2	ND	U	1	"	"	"	"	524.2
Naphthalene	RE2	ND	U	1	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE2	ND	U	1	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE2*		114 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE2*		97 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE2*		103 %	*80-110%*		"	"	"	

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-13									**Water - Sampled: 08/12/21 08:22**
Sample ID: AMCO-RMW-19-80-081221									**Volatile Organic Compounds by EPA Method 524.2**
Surrogate: 1,2-Dichlorobenzene-d4	*RE2*		111 %	*74-113%*		*B21H049*	*08/17/21*	*08/17/21*	
Sample ID: AMCO-RMW-19-80-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		ND	U	0.9	"	B21H033	08/13/21	08/23/21	8270D
Phenol		ND	U	4.6	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	0.9	"	"	"	"	8270D
2-Chlorophenol		ND	U	4.6	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
Benzyl alcohol		ND	U	4.6	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
2-Methylphenol		ND	U	4.6	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	0.9	"	"	"	"	8270D
3&4-Methylphenol		ND	U	4.6	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	0.9	"	"	"	"	8270D
Hexachloroethane		ND	U	0.9	"	"	"	"	8270D
Nitrobenzene		ND	U	0.9	"	"	"	"	8270D
Isophorone		ND	U	0.9	"	"	"	"	8270D
2-Nitrophenol		ND	U	4.6	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	4.6	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	0.9	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	4.6	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	0.9	"	"	"	"	8270D
Naphthalene		ND	U	0.9	"	"	"	"	8270D
4-Chloroaniline		ND	U	4.6	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	0.9	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	4.6	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	0.9	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	4.6	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	4.6	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	4.6	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	0.9	"	"	"	"	8270D
2-Nitroaniline		ND	U	4.6	"	"	"	"	8270D
Dimethyl phthalate		ND	U	0.9	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Acenaphthylene		ND	U	0.9	"	"	"	"	8270D
3-Nitroaniline		ND	U	4.6	"	"	"	"	8270D

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108016-13**								**Water - Sampled: 08/12/21 08:22**
Sample ID:	**AMCO-RMW-19-80-081221**								
						Semivolatile Organic Compounds by EPA Method 8270D			
Acenaphthene		ND	U	0.9	ug/L	B21H033	08/13/21	08/23/21	8270D
2,4-Dinitrophenol		ND	C3, J, U	18	"	"	"	"	8270D
4-Nitrophenol		ND	J, C3, U	4.6	"	"	"	"	8270D
Dibenzofuran		ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Diethyl phthalate		ND	U	0.9	"	"	"	"	8270D
Fluorene		ND	U	0.9	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
4-Nitroaniline		ND	U	4.6	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	4.6	"	"	"	"	8270D
Diphenyl amine		ND	U	0.9	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
Hexachlorobenzene		ND	U	0.9	"	"	"	"	8270D
Pentachlorophenol		ND	U	18	"	"	"	"	8270D
Phenanthrene		ND	U	0.9	"	"	"	"	8270D
Anthracene		ND	U	0.9	"	"	"	"	8270D
Carbazole		ND	U	0.9	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	0.9	"	"	"	"	8270D
Fluoranthene		ND	U	0.9	"	"	"	"	8270D
Pyrene		ND	U	0.9	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	0.9	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	0.9	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	4.6	"	"	"	"	8270D
Chrysene		ND	U	0.9	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	0.9	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	0.9	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	0.9	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	0.9	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	0.9	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	0.9	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			40 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			**48 %**	*54-110%*		"	"	"	
Surrogate: Phenol-d5			53 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			53 %	*39-121%*		"	"	"	

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-13									**Water - Sampled: 08/12/21 08:22**
Sample ID: AMCO-RMW-19-80-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
Surrogate: 1,2-Dichlorobenzene-d4		42 %		*31-110%*		*B21H033*	*08/13/21*	*08/23/21*	
Surrogate: Nitrobenzene-d5		53 %		*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl		56 %		*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol		86 %		*37-150%*		"	"	"	
Surrogate: Terphenyl-d14		47 %		*20-179%*		"	"	"	
Lab ID: 2108016-14									**Water - Sampled: 08/12/21 10:00**
Sample ID: AMCO-BPZ-01-081221									**Dissolved Metals by EPA 200 Series Methods**
Iron		ND	U	100	ug/L	B21H045	08/16/21	08/31/21	200.7_Dissolved
Arsenic	RE1	65		5	"	B21H046	08/16/21	08/19/21	200.8_Dissolved
Cobalt		3.5		0.25	"	"	"	08/18/21	200.8_Dissolved
Manganese		12		2	"	"	"	"	200.8_Dissolved
Nickel		11		1	"	"	"	"	200.8_Dissolved
Selenium	RE1	64		10	"	"	"	08/19/21	200.8_Dissolved
Sample ID: AMCO-BPZ-01-081221									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	U	10	"	B21H034	08/13/21	08/13/21	524.2
Chloromethane		ND	U	10	"	"	"	"	524.2
Vinyl chloride		ND	U	10	"	"	"	"	524.2
Bromomethane		ND	C4, J, Q3, U	10	"	"	"	"	524.2
Chloroethane		ND	U	10	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	10	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	10	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	10	"	"	"	"	524.2
Acetone		ND	U	80	"	"	"	"	524.2
Dichloromethane		ND	U	10	"	"	"	"	524.2
trans-1,2-Dichloroethene		ND	U	10	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	40	"	"	"	"	524.2
1,1-Dichloroethane		ND	U	10	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	10	"	"	"	"	524.2
cis-1,2-Dichloroethene		ND	U	10	"	"	"	"	524.2
2-Butanone (MEK)		ND	U	80	"	"	"	"	524.2
Bromochloromethane		ND	U	10	"	"	"	"	524.2
Chloroform		ND	U	10	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	U	10	"	"	"	"	524.2
Carbon tetrachloride		ND	U	10	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	10	"	"	"	"	524.2
Benzene		ND	U	10	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	10	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-14 — **Water - Sampled: 08/12/21 10:00**

Sample ID: AMCO-BPZ-01-081221

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Trichloroethene		ND	U	10	ug/L	B21H034	08/13/21	08/13/21	524.2
1,2-Dichloropropane		ND	C4, J, Q2, Q3, U	10	"	"	"	"	524.2
Dibromomethane		ND	C4, J, Q2, Q3, U	10	"	"	"	"	524.2
Bromodichloromethane		ND	C3, J, U	10	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	10	"	"	"	"	524.2
Toluene		ND	U	10	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	C3, J, U	10	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	10	"	"	"	"	524.2
Tetrachloroethene		ND	U	10	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	10	"	"	"	"	524.2
Chlorodibromomethane		ND	U	10	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	10	"	"	"	"	524.2
Chlorobenzene		ND	U	10	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	10	"	"	"	"	524.2
Ethylbenzene		ND	U	10	"	"	"	"	524.2
m&p-Xylene		ND	U	20	"	"	"	"	524.2
o-Xylene		ND	U	10	"	"	"	"	524.2
Styrene		ND	U	10	"	"	"	"	524.2
Bromoform		ND	C3, J, U	10	"	"	"	"	524.2
Isopropylbenzene		ND	U	10	"	"	"	"	524.2
Bromobenzene		ND	U	10	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	10	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	10	"	"	"	"	524.2
Propylbenzene		ND	U	10	"	"	"	"	524.2
2-Chlorotoluene		ND	U	10	"	"	"	"	524.2
4-Chlorotoluene		ND	U	10	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	U	10	"	"	"	"	524.2
tert-Butylbenzene		ND	U	10	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	10	"	"	"	"	524.2
sec-Butylbenzene		ND	U	10	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	10	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	10	"	"	"	"	524.2
1,4-Dichlorobenzene		ND	U	10	"	"	"	"	524.2
1,2-Dichlorobenzene		ND	U	10	"	"	"	"	524.2
Butylbenzene		ND	U	10	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	40	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-14									**Water - Sampled: 08/12/21 10:00**
Sample ID: AMCO-BPZ-01-081221									**Volatile Organic Compounds by EPA Method 524.2**
1,2,4-Trichlorobenzene		ND	U	10	ug/L	B21H034	08/13/21	08/13/21	524.2
Hexachlorobutadiene		ND	U	10	"	"	"	"	524.2
Naphthalene		ND	U	10	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	10	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			95 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8			97 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene			91 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			93 %	*74-113%*		"	"	"	
Sample ID: AMCO-BPZ-01-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE2	63		19	"	B21H033	08/13/21	08/31/21	8270D
Phenol		ND	U	24	"	"	"	08/24/21	8270D
Bis(2-chloroethyl)ether		ND	U	4.7	"	"	"	"	8270D
2-Chlorophenol		ND	U	24	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	4.7	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	4.7	"	"	"	"	8270D
Benzyl alcohol		ND	U	24	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	4.7	"	"	"	"	8270D
2-Methylphenol		ND	U	24	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	4.7	"	"	"	"	8270D
3&4-Methylphenol		ND	U	24	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	4.7	"	"	"	"	8270D
Hexachloroethane		ND	U	4.7	"	"	"	"	8270D
Nitrobenzene		ND	U	4.7	"	"	"	"	8270D
Isophorone		ND	U	4.7	"	"	"	"	8270D
2-Nitrophenol		ND	U	24	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	24	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	4.7	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	24	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	4.7	"	"	"	"	8270D
Naphthalene		ND	U	4.7	"	"	"	"	8270D
4-Chloroaniline		ND	U	24	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	4.7	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	24	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	4.7	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	24	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	24	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-14 — **Water - Sampled: 08/12/21 10:00**

Sample ID: AMCO-BPZ-01-081221

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
2,4,5-Trichlorophenol		ND	U	24	ug/L	B21H033	08/13/21	08/24/21	8270D
2-Chloronaphthalene		ND	U	4.7	"	"	"	"	8270D
2-Nitroaniline		ND	U	24	"	"	"	"	8270D
Dimethyl phthalate		ND	U	4.7	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	4.7	"	"	"	"	8270D
Acenaphthylene		ND	U	4.7	"	"	"	"	8270D
3-Nitroaniline		ND	U	24	"	"	"	"	8270D
Acenaphthene		ND	U	4.7	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, C4, J, U	94	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	24	"	"	"	"	8270D
Dibenzofuran		ND	U	4.7	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	4.7	"	"	"	"	8270D
Diethyl phthalate		ND	U	4.7	"	"	"	"	8270D
Fluorene		ND	U	4.7	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	4.7	"	"	"	"	8270D
4-Nitroaniline		ND	U	24	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U, Q3, C4, J	24	"	"	"	"	8270D
Diphenyl amine		ND	U	4.7	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	4.7	"	"	"	"	8270D
Hexachlorobenzene		ND	U	4.7	"	"	"	"	8270D
Pentachlorophenol		ND	U	94	"	"	"	"	8270D
Phenanthrene		ND	U	4.7	"	"	"	"	8270D
Anthracene		ND	U	4.7	"	"	"	"	8270D
Carbazole		ND	U	4.7	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	4.7	"	"	"	"	8270D
Fluoranthene		ND	U	4.7	"	"	"	"	8270D
Pyrene		ND	U	4.7	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	4.7	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	4.7	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	24	"	"	"	"	8270D
Chrysene		ND	U	4.7	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	4.7	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	4.7	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	4.7	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	4.7	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	4.7	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-14									**Water - Sampled: 08/12/21 10:00**
Sample ID: AMCO-BPZ-01-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
Indeno(1,2,3-cd)pyrene		ND	U	4.7	ug/L	B21H033	08/13/21	08/24/21	8270D
Dibenz(a,h)anthracene		ND	U	4.7	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	4.7	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			**30 %**	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			**43 %**	*54-110%*		"	"	"	
Surrogate: Phenol-d5			64 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			58 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			44 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			64 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			75 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			94 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			31 %	*20-179%*		"	"	"	
Lab ID: 2108016-15									**Water - Sampled: 08/12/21 13:33**
Sample ID: AMCO-RMW-13-35-081221									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	U	0.5	ug/L	B21H041	08/16/21	08/16/21	524.2
Chloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Vinyl chloride	RE1	ND	U	0.5	"	"	"	"	524.2
Bromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Acetone	RE1	ND	U	4	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	4	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroform	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Benzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2

United States Environmental Protection Agency
Region 9 Laboratory
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Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-15 — **Water - Sampled: 08/12/21 13:33**

Sample ID: AMCO-RMW-13-35-081221

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Trichloroethene	RE1	ND	U	0.5	ug/L	B21H041	08/16/21	08/16/21	524.2
1,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Toluene	RE1	ND	U	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Ethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
m&p-Xylene	RE1	ND	U	1	"	"	"	"	524.2
o-Xylene	RE1	ND	U	0.5	"	"	"	"	524.2
Styrene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromoform	RE1	ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Propylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	2	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-15									**Water - Sampled: 08/12/21 13:33**
Sample ID: AMCO-RMW-13-35-081221									**Volatile Organic Compounds by EPA Method 524.2**
1,2,4-Trichlorobenzene	RE1	ND	U	0.5	ug/L	B21H041	08/16/21	08/16/21	524.2
Hexachlorobutadiene	RE1	ND	U	0.5	"	"	"	"	524.2
Naphthalene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		105 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE1*		97 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE1*		101 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		107 %	*74-113%*		"	"	"	
Sample ID: AMCO-RMW-13-35-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		ND	U	0.9	"	B21H033	08/13/21	08/23/21	8270D
Phenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	0.9	"	"	"	"	8270D
2-Chlorophenol		ND	U	4.7	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
Benzyl alcohol		ND	U	4.7	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
2-Methylphenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	0.9	"	"	"	"	8270D
3&4-Methylphenol		ND	U	4.7	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	0.9	"	"	"	"	8270D
Hexachloroethane		ND	U	0.9	"	"	"	"	8270D
Nitrobenzene		ND	U	0.9	"	"	"	"	8270D
Isophorone		ND	U	0.9	"	"	"	"	8270D
2-Nitrophenol		ND	U	4.7	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	0.9	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	4.7	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	0.9	"	"	"	"	8270D
Naphthalene		ND	U	0.9	"	"	"	"	8270D
4-Chloroaniline		ND	U	4.7	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	0.9	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	4.7	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	0.9	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	4.7	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	4.7	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-15 — **Water - Sampled: 08/12/21 13:33**

Sample ID: AMCO-RMW-13-35-081221

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
2,4,5-Trichlorophenol		ND	U	4.7	ug/L	B21H033	08/13/21	08/23/21	8270D
2-Chloronaphthalene		ND	U	0.9	"	"	"	"	8270D
2-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
Dimethyl phthalate		ND	U	0.9	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Acenaphthylene		ND	U	0.9	"	"	"	"	8270D
3-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
Acenaphthene		ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	19	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	4.7	"	"	"	"	8270D
Dibenzofuran		ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Diethyl phthalate		ND	U	0.9	"	"	"	"	8270D
Fluorene		ND	U	0.9	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
4-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	4.7	"	"	"	"	8270D
Diphenyl amine		ND	U	0.9	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
Hexachlorobenzene		ND	U	0.9	"	"	"	"	8270D
Pentachlorophenol		ND	U	19	"	"	"	"	8270D
Phenanthrene		ND	U	0.9	"	"	"	"	8270D
Anthracene		ND	U	0.9	"	"	"	"	8270D
Carbazole		ND	U	0.9	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	0.9	"	"	"	"	8270D
Fluoranthene		ND	U	0.9	"	"	"	"	8270D
Pyrene		ND	U	0.9	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	0.9	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	0.9	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	4.7	"	"	"	"	8270D
Chrysene		ND	U	0.9	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		1.1		0.9	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	0.9	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	0.9	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-15									**Water - Sampled: 08/12/21 13:33**
Sample ID: AMCO-RMW-13-35-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
Indeno(1,2,3-cd)pyrene		ND	U	0.9	ug/L	B21H033	08/13/21	08/23/21	8270D
Dibenz(a,h)anthracene		ND	U	0.9	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	0.9	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			56 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			60 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			61 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			52 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			56 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			65 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			65 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			90 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			42 %	*20-179%*		"	"	"	
Lab ID: 2108016-16									**Water - Sampled: 08/12/21 10:05**
Sample ID: AMCO-DUP4-081221									**Dissolved Metals by EPA 200 Series Methods**
Iron		ND	U	100	ug/L	B21H045	08/16/21	08/31/21	200.7_Dissolved
Arsenic	RE1	65		5	"	B21H046	08/16/21	08/19/21	200.8_Dissolved
Cobalt		3.4		0.25	"	"	"	08/18/21	200.8_Dissolved
Manganese		12		2	"	"	"	"	200.8_Dissolved
Nickel		11		1	"	"	"	"	200.8_Dissolved
Selenium	RE1	64		10	"	"	"	08/19/21	200.8_Dissolved
Sample ID: AMCO-DUP4-081221									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	U	10	"	B21H034	08/13/21	08/13/21	524.2
Chloromethane		ND	U	10	"	"	"	"	524.2
Vinyl chloride		ND	U	10	"	"	"	"	524.2
Bromomethane		ND	C4, J, Q3, U	10	"	"	"	"	524.2
Chloroethane		ND	U	10	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	10	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	10	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	10	"	"	"	"	524.2
Acetone		ND	U	80	"	"	"	"	524.2
Dichloromethane		ND	U	10	"	"	"	"	524.2
trans-1,2-Dichloroethene		ND	U	10	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	40	"	"	"	"	524.2
1,1-Dichloroethane		ND	U	10	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	10	"	"	"	"	524.2
cis-1,2-Dichloroethene		ND	U	10	"	"	"	"	524.2
2-Butanone (MEK)		ND	U	80	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-16									**Water - Sampled: 08/12/21 10:05**
Sample ID: AMCO-DUP4-081221									**Volatile Organic Compounds by EPA Method 524.2**
Bromochloromethane		ND	U	10	ug/L	B21H034	08/13/21	08/13/21	524.2
Chloroform		ND	U	10	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	U	10	"	"	"	"	524.2
Carbon tetrachloride		ND	U	10	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	10	"	"	"	"	524.2
Benzene		ND	U	10	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	10	"	"	"	"	524.2
Trichloroethene		ND	U	10	"	"	"	"	524.2
1,2-Dichloropropane		ND	C4, J, Q2, Q3, U	10	"	"	"	"	524.2
Dibromomethane		ND	C4, J, Q2, Q3, U	10	"	"	"	"	524.2
Bromodichloromethane		ND	C3, J, U	10	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	10	"	"	"	"	524.2
Toluene		ND	U	10	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	C3, J, U	10	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	10	"	"	"	"	524.2
Tetrachloroethene		ND	U	10	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	10	"	"	"	"	524.2
Chlorodibromomethane		ND	U	10	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	10	"	"	"	"	524.2
Chlorobenzene		ND	U	10	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	10	"	"	"	"	524.2
Ethylbenzene		ND	U	10	"	"	"	"	524.2
m&p-Xylene		ND	U	20	"	"	"	"	524.2
o-Xylene		ND	U	10	"	"	"	"	524.2
Styrene		ND	U	10	"	"	"	"	524.2
Bromoform		ND	C3, J, U	10	"	"	"	"	524.2
Isopropylbenzene		ND	U	10	"	"	"	"	524.2
Bromobenzene		ND	U	10	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	10	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	10	"	"	"	"	524.2
Propylbenzene		ND	U	10	"	"	"	"	524.2
2-Chlorotoluene		ND	U	10	"	"	"	"	524.2
4-Chlorotoluene		ND	U	10	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	U	10	"	"	"	"	524.2
tert-Butylbenzene		ND	U	10	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	10	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-16									**Water - Sampled: 08/12/21 10:05**
Sample ID: AMCO-DUP4-081221									**Volatile Organic Compounds by EPA Method 524.2**
sec-Butylbenzene		ND	U	10	ug/L	B21H034	08/13/21	08/13/21	524.2
1,3-Dichlorobenzene		ND	U	10	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	10	"	"	"	"	524.2
1,4-Dichlorobenzene		ND	U	10	"	"	"	"	524.2
1,2-Dichlorobenzene		ND	U	10	"	"	"	"	524.2
Butylbenzene		ND	U	10	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	40	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	10	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	10	"	"	"	"	524.2
Naphthalene		ND	U	10	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	10	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			94 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8			96 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene			90 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			92 %	*74-113%*		"	"	"	
Sample ID: AMCO-DUP4-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE2	110		19	"	B21H033	08/13/21	08/31/21	8270D
Phenol	RE1	ND	U	4.7	"	"	"	08/25/21	8270D
Bis(2-chloroethyl)ether	RE1	ND	U	0.9	"	"	"	"	8270D
2-Chlorophenol	RE1	ND	U	4.7	"	"	"	"	8270D
1,3-Dichlorobenzene	RE1	ND	U	0.9	"	"	"	"	8270D
1,4-Dichlorobenzene	RE1	ND	U	0.9	"	"	"	"	8270D
Benzyl alcohol	RE1	ND	U	4.7	"	"	"	"	8270D
1,2-Dichlorobenzene	RE1	ND	U	0.9	"	"	"	"	8270D
2-Methylphenol	RE1	ND	U	4.7	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether	RE1	ND	U	0.9	"	"	"	"	8270D
3&4-Methylphenol	RE1	ND	U	4.7	"	"	"	"	8270D
N-Nitrosodipropylamine	RE1	ND	U	0.9	"	"	"	"	8270D
Hexachloroethane	RE1	ND	U	0.9	"	"	"	"	8270D
Nitrobenzene	RE1	ND	U	0.9	"	"	"	"	8270D
Isophorone	RE1	ND	U	0.9	"	"	"	"	8270D
2-Nitrophenol	RE1	ND	U	4.7	"	"	"	"	8270D
2,4-Dimethylphenol	RE1	ND	U	4.7	"	"	"	"	8270D
Bis(2-chloroethoxy)methane	RE1	ND	U	0.9	"	"	"	"	8270D
2,4-Dichlorophenol	RE1	ND	U	4.7	"	"	"	"	8270D
1,2,4-Trichlorobenzene	RE1	ND	U	0.9	"	"	"	"	8270D

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Region 9 Laboratory
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-16 — **Water - Sampled: 08/12/21 10:05**

Sample ID: AMCO-DUP4-081221

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Naphthalene	RE1	ND	U	0.9	ug/L	B21H033	08/13/21	08/25/21	8270D
4-Chloroaniline	RE1	ND	U	4.7	"	"	"	"	8270D
Hexachlorobutadiene	RE1	ND	U	0.9	"	"	"	"	8270D
4-Chloro-3-methylphenol	RE1	ND	J, Q3, U	4.7	"	"	"	"	8270D
2-Methylnaphthalene	RE1	ND	U	0.9	"	"	"	"	8270D
Hexachlorocyclopentadiene	RE1	ND	U	4.7	"	"	"	"	8270D
2,4,6-Trichlorophenol	RE1	ND	U	4.7	"	"	"	"	8270D
2,4,5-Trichlorophenol	RE1	ND	U	4.7	"	"	"	"	8270D
2-Chloronaphthalene	RE1	ND	U	0.9	"	"	"	"	8270D
2-Nitroaniline	RE1	ND	U	4.7	"	"	"	"	8270D
Dimethyl phthalate	RE1	ND	U	0.9	"	"	"	"	8270D
2,6-Dinitrotoluene	RE1	ND	U	0.9	"	"	"	"	8270D
Acenaphthylene	RE1	ND	U	0.9	"	"	"	"	8270D
3-Nitroaniline	RE1	ND	U	4.7	"	"	"	"	8270D
Acenaphthene	RE1	ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrophenol	RE1	ND	C3, C4, J, U	19	"	"	"	"	8270D
4-Nitrophenol	RE1	ND	C3, J, U	4.7	"	"	"	"	8270D
Dibenzofuran	RE1	ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrotoluene	RE1	ND	U	0.9	"	"	"	"	8270D
Diethyl phthalate	RE1	ND	U	0.9	"	"	"	"	8270D
Fluorene	RE1	ND	U	0.9	"	"	"	"	8270D
4-Chlorophenyl phenyl ether	RE1	ND	U	0.9	"	"	"	"	8270D
4-Nitroaniline	RE1	ND	U	4.7	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol	RE1	ND	U	4.7	"	"	"	"	8270D
Diphenyl amine	RE1	ND	U	0.9	"	"	"	"	8270D
4-Bromophenyl phenyl ether	RE1	ND	U	0.9	"	"	"	"	8270D
Hexachlorobenzene	RE1	ND	U	0.9	"	"	"	"	8270D
Pentachlorophenol	RE1	ND	C4, J, U	19	"	"	"	"	8270D
Phenanthrene	RE1	ND	U	0.9	"	"	"	"	8270D
Anthracene	RE1	ND	U	0.9	"	"	"	"	8270D
Carbazole	RE1	ND	U	0.9	"	"	"	"	8270D
Di-n-butyl phthalate	RE1	ND	U	0.9	"	"	"	"	8270D
Fluoranthene	RE1	ND	U	0.9	"	"	"	"	8270D
Pyrene	RE1	ND	U	0.9	"	"	"	"	8270D
Butyl benzyl phthalate	RE1	ND	U	0.9	"	"	"	"	8270D
Benzo(a)anthracene	RE1	ND	U	0.9	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-16									**Water - Sampled: 08/12/21 10:05**
Sample ID: AMCO-DUP4-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
3,3'-Dichlorobenzidine	RE1	ND	U	4.7	ug/L	B21H033	08/13/21	08/25/21	8270D
Chrysene	RE1	ND	U	0.9	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate	RE1	ND	U	0.9	"	"	"	"	8270D
Di-n-octyl phthalate	RE1	ND	U	0.9	"	"	"	"	8270D
Benzo(b)fluoranthene	RE1	ND	U	0.9	"	"	"	"	8270D
Benzo(k)fluoranthene	RE1	ND	U	0.9	"	"	"	"	8270D
Benzo(a)pyrene	RE1	ND	U	0.9	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene	RE1	ND	U	0.9	"	"	"	"	8270D
Dibenz(a,h)anthracene	RE1	ND	U	0.9	"	"	"	"	8270D
Benzo(g,h,i)perylene	RE1	ND	U	0.9	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8	*RE1*		53 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol	*RE1*		69 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5	*RE1*		77 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4	*RE1*		75 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		59 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5	*RE1*		78 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl	*RE1*		74 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol	*RE1*		87 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14	*RE1*		32 %	*20-179%*		"	"	"	
Lab ID: 2108016-17									**Water - Sampled: 08/12/21 07:50**
Sample ID: AMCO-RMW-19-15-081221									**Dissolved Metals by EPA 200 Series Methods**
Iron		510		100	ug/L	B21H045	08/16/21	08/31/21	200.7_Dissolved
Manganese		1,000		5	"	"	"	"	200.7_Dissolved
Arsenic		5.3		0.50	"	B21H046	08/16/21	08/18/21	200.8_Dissolved
Cobalt		2.0		0.25	"	"	"	"	200.8_Dissolved
Nickel		19		1	"	"	"	"	200.8_Dissolved
Selenium	RE1	9.6		1	"	"	"	08/19/21	200.8_Dissolved
Sample ID: AMCO-RMW-19-15-081221									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	U	1	"	B21H041	08/16/21	08/16/21	524.2
Chloromethane	RE1	ND	U	1	"	"	"	"	524.2
Vinyl chloride	RE1	ND	U	1	"	"	"	"	524.2
Bromomethane	RE1	ND	U	1	"	"	"	"	524.2
Chloroethane	RE1	ND	U	1	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	1	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	1	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	1	"	"	"	"	524.2
Acetone	RE1	4.0	C1, J, Q3	8	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	1	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-17 — **Water - Sampled: 08/12/21 07:50**

Sample ID: AMCO-RMW-19-15-081221

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
trans-1,2-Dichloroethene	RE1	ND	U	1	ug/L	B21H041	08/16/21	08/16/21	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	4	"	"	"	"	524.2
1,1-Dichloroethane	RE1	ND	U	1	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	1	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	ND	U	1	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	8	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	1	"	"	"	"	524.2
Chloroform	RE1	ND	U	1	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	1	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	1	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	1	"	"	"	"	524.2
Benzene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	1	"	"	"	"	524.2
Trichloroethene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	1	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	1	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	U	1	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	1	"	"	"	"	524.2
Toluene	RE1	0.9	C1, J	1	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	U	1	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	1	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	1	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	1	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	1	"	"	"	"	524.2
Chlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	1	"	"	"	"	524.2
Ethylbenzene	RE1	ND	U	1	"	"	"	"	524.2
m&p-Xylene	RE1	ND	U	2	"	"	"	"	524.2
o-Xylene	RE1	ND	U	1	"	"	"	"	524.2
Styrene	RE1	ND	U	1	"	"	"	"	524.2
Bromoform	RE1	ND	U	1	"	"	"	"	524.2
Isopropylbenzene	RE1	ND	U	1	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	1	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	1	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	1	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108016-17**								**Water - Sampled: 08/12/21 07:50**
Sample ID:	**AMCO-RMW-19-15-081221**								**Volatile Organic Compounds by EPA Method 524.2**
Propylbenzene	RE1	ND	U	1	ug/L	B21H041	08/16/21	08/16/21	524.2
2-Chlorotoluene	RE1	ND	U	1	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	1	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	1	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	1	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	ND	U	1	"	"	"	"	524.2
sec-Butylbenzene	RE1	ND	U	1	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
p-Isopropyltoluene	RE1	ND	U	1	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	4	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	1	"	"	"	"	524.2
Naphthalene	RE1	ND	U	1	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		101 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE1*		101 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE1*		99 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		102 %	*74-113%*		"	"	"	
Sample ID:	**AMCO-RMW-19-15-081221**								**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		ND	U	1	"	B21H033	08/13/21	08/23/21	8270D
Phenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	1	"	"	"	"	8270D
2-Chlorophenol		ND	U	5	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
Benzyl alcohol		ND	U	5	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
2-Methylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	1	"	"	"	"	8270D
3&4-Methylphenol		ND	U	5	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	1	"	"	"	"	8270D
Hexachloroethane		ND	U	1	"	"	"	"	8270D
Nitrobenzene		ND	U	1	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108016-17**								**Water - Sampled: 08/12/21 07:50**
Sample ID:	**AMCO-RMW-19-15-081221**								
						Semivolatile Organic Compounds by EPA Method 8270D			
Isophorone		ND	U	1	ug/L	B21H033	08/13/21	08/23/21	8270D
2-Nitrophenol		ND	U	5	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	5	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	1	"	"	"	"	8270D
Naphthalene		ND	U	1	"	"	"	"	8270D
4-Chloroaniline		ND	U	5	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	1	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	5	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	1	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	5	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	1	"	"	"	"	8270D
2-Nitroaniline		ND	U	5	"	"	"	"	8270D
Dimethyl phthalate		ND	U	1	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Acenaphthylene		ND	U	1	"	"	"	"	8270D
3-Nitroaniline		ND	U	5	"	"	"	"	8270D
Acenaphthene		ND	U	1	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	20	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	5	"	"	"	"	8270D
Dibenzofuran		ND	U	1	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Diethyl phthalate		0.5	C1, J	1	"	"	"	"	8270D
Fluorene		ND	U	1	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
4-Nitroaniline		ND	U	5	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	5	"	"	"	"	8270D
Diphenyl amine		ND	U	1	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
Hexachlorobenzene		ND	U	1	"	"	"	"	8270D
Pentachlorophenol		ND	U	20	"	"	"	"	8270D
Phenanthrene		ND	U	1	"	"	"	"	8270D
Anthracene		ND	U	1	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: **2108016-17**									**Water - Sampled: 08/12/21 07:50**
Sample ID: **AMCO-RMW-19-15-081221**									**Semivolatile Organic Compounds by EPA Method 8270D**
Carbazole		ND	U	1	ug/L	B21H033	08/13/21	08/23/21	8270D
Di-n-butyl phthalate		ND	U	1	"	"	"	"	8270D
Fluoranthene		ND	U	1	"	"	"	"	8270D
Pyrene		ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	1	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	5	"	"	"	"	8270D
Chrysene		ND	U	1	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	1	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	1	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	1	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	1	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			49 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			58 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			62 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			62 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			50 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			62 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			67 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			96 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			54 %	*20-179%*		"	"	"	
Lab ID: **2108016-18**									**Water - Sampled: 08/12/21 10:20**
Sample ID: **AMCO-BMW-01-081221**									**Dissolved Metals by EPA 200 Series Methods**
Iron		7,600		100	ug/L	B21H045	08/16/21	08/31/21	200.7_Dissolved
Manganese		4,100		5	"	"	"	"	200.7_Dissolved
Arsenic	RE1	2.8	C1, J	5	"	B21H046	08/16/21	08/19/21	200.8_Dissolved
Cobalt		3.0		0.25	"	"	"	08/18/21	200.8_Dissolved
Nickel		14		1	"	"	"	"	200.8_Dissolved
Selenium	RE1	53		10	"	"	"	08/19/21	200.8_Dissolved
Sample ID: **AMCO-BMW-01-081221**									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	U	0.5	"	B21H041	08/16/21	08/16/21	524.2
Chloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Vinyl chloride	RE1	ND	U	0.5	"	"	"	"	524.2
Bromomethane	RE1	ND	U	0.5	"	"	"	"	524.2

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-18 — **Water - Sampled: 08/12/21 10:20**

Sample ID: AMCO-BMW-01-081221

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Chloroethane	RE1	ND	U	0.5	ug/L	B21H041	08/16/21	08/16/21	524.2
Trichlorofluoromethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Acetone	RE1	6.0	J, Q3	4	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	4	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroform	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Benzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Trichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Toluene	RE1	0.5		0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Ethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
m&p-Xylene	RE1	ND	U	1	"	"	"	"	524.2
o-Xylene	RE1	ND	U	0.5	"	"	"	"	524.2
Styrene	RE1	ND	U	0.5	"	"	"	"	524.2

United States Environmental Protection Agency
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-18									**Water - Sampled: 08/12/21 10:20**
Sample ID: AMCO-BMW-01-081221									**Volatile Organic Compounds by EPA Method 524.2**
Bromoform	RE1	ND	U	0.5	ug/L	B21H041	08/16/21	08/16/21	524.2
Isopropylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Propylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	0.5	"	"	"	"	524.2
Naphthalene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		101 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE1*		100 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE1*		100 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		105 %	*74-113%*		"	"	"	
Sample ID: AMCO-BMW-01-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		0.6	C1, J	0.9	"	B21H033	08/13/21	08/23/21	8270D
Phenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	0.9	"	"	"	"	8270D
2-Chlorophenol		ND	U	4.7	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
Benzyl alcohol		ND	U	4.7	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
2-Methylphenol		ND	U	4.7	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-18									**Water - Sampled: 08/12/21 10:20**
Sample ID: AMCO-BMW-01-081221									
						Semivolatile Organic Compounds by EPA Method 8270D			
Bis(2-chloro-1-methylethyl) ether		ND	U	0.9	ug/L	B21H033	08/13/21	08/23/21	8270D
3&4-Methylphenol		ND	U	4.7	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	0.9	"	"	"	"	8270D
Hexachloroethane		ND	U	0.9	"	"	"	"	8270D
Nitrobenzene		ND	U	0.9	"	"	"	"	8270D
Isophorone		ND	U	0.9	"	"	"	"	8270D
2-Nitrophenol		ND	U	4.7	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	0.9	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	4.7	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	0.9	"	"	"	"	8270D
Naphthalene		ND	U	0.9	"	"	"	"	8270D
4-Chloroaniline		ND	U	4.7	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	0.9	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	4.7	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	0.9	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	4.7	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	4.7	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	4.7	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	0.9	"	"	"	"	8270D
2-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
Dimethyl phthalate		ND	U	0.9	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Acenaphthylene		ND	U	0.9	"	"	"	"	8270D
3-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
Acenaphthene		ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	19	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	4.7	"	"	"	"	8270D
Dibenzofuran		ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Diethyl phthalate		0.9		0.9	"	"	"	"	8270D
Fluorene		ND	U	0.9	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
4-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	4.7	"	"	"	"	8270D
Diphenyl amine		ND	U	0.9	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-18 — **Water - Sampled: 08/12/21 10:20**

Sample ID: AMCO-BMW-01-081221

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
4-Bromophenyl phenyl ether		ND	U	0.9	ug/L	B21H033	08/13/21	08/23/21	8270D
Hexachlorobenzene		ND	U	0.9	"	"	"	"	8270D
Pentachlorophenol		ND	U	19	"	"	"	"	8270D
Phenanthrene		ND	U	0.9	"	"	"	"	8270D
Anthracene		ND	U	0.9	"	"	"	"	8270D
Carbazole		ND	U	0.9	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	0.9	"	"	"	"	8270D
Fluoranthene		ND	U	0.9	"	"	"	"	8270D
Pyrene		ND	U	0.9	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	0.9	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	0.9	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	4.7	"	"	"	"	8270D
Chrysene		ND	U	0.9	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	0.9	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	0.9	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	0.9	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	0.9	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	0.9	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	0.9	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8		64 %		*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol		68 %		*54-110%*		"	"	"	
Surrogate: Phenol-d5		64 %		*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4		70 %		*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4		68 %		*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5		70 %		*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl		68 %		*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol		96 %		*37-150%*		"	"	"	
Surrogate: Terphenyl-d14		63 %		*20-179%*		"	"	"	

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-19 — **Water - Sampled: 08/12/21 12:55**

Sample ID: AMCO-RMW-04-15-081221

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Dichlorodifluoromethane	RE1	ND	U	0.5	ug/L	B21H036	08/13/21	08/13/21	524.2
Chloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Vinyl chloride	RE1	ND	U	0.5	"	"	"	"	524.2
Bromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Acetone	RE1	3.8	C1, J	4	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	4	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroform	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Benzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Trichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Toluene	RE1	0.2	C1, J	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108016-19**								**Water - Sampled: 08/12/21 12:55**
Sample ID:	**AMCO-RMW-04-15-081221**								**Volatile Organic Compounds by EPA Method 524.2**
Ethylbenzene	RE1	ND	U	0.5	ug/L	B21H036	08/13/21	08/13/21	524.2
m&p-Xylene	RE1	ND	U	1	"	"	"	"	524.2
o-Xylene	RE1	ND	U	0.5	"	"	"	"	524.2
Styrene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromoform	RE1	ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Propylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	0.5	"	"	"	"	524.2
Naphthalene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		98 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE1*		99 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE1*		98 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		100 %	*74-113%*		"	"	"	
Sample ID:	**AMCO-RMW-04-15-081221**								**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		1.6		0.9	"	B21H033	08/13/21	08/23/21	8270D
Phenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	0.9	"	"	"	"	8270D
2-Chlorophenol		ND	U	4.7	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108016-19**								**Water - Sampled: 08/12/21 12:55**
Sample ID:	**AMCO-RMW-04-15-081221**								
						Semivolatile Organic Compounds by EPA Method 8270D			
1,4-Dichlorobenzene		ND	U	0.9	ug/L	B21H033	08/13/21	08/23/21	8270D
Benzyl alcohol		ND	U	4.7	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
2-Methylphenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	0.9	"	"	"	"	8270D
3&4-Methylphenol		ND	U	4.7	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	0.9	"	"	"	"	8270D
Hexachloroethane		ND	U	0.9	"	"	"	"	8270D
Nitrobenzene		ND	U	0.9	"	"	"	"	8270D
Isophorone		ND	U	0.9	"	"	"	"	8270D
2-Nitrophenol		ND	U	4.7	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	0.9	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	4.7	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	0.9	"	"	"	"	8270D
Naphthalene		ND	U	0.9	"	"	"	"	8270D
4-Chloroaniline		ND	U	4.7	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	0.9	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	4.7	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	0.9	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	4.7	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	4.7	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	4.7	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	0.9	"	"	"	"	8270D
2-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
Dimethyl phthalate		ND	U	0.9	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Acenaphthylene		ND	U	0.9	"	"	"	"	8270D
3-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
Acenaphthene		ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	19	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	4.7	"	"	"	"	8270D
Dibenzofuran		ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Diethyl phthalate		ND	U	0.9	"	"	"	"	8270D
Fluorene		ND	U	0.9	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-19									**Water - Sampled: 08/12/21 12:55**
Sample ID: AMCO-RMW-04-15-081221									
						Semivolatile Organic Compounds by EPA Method 8270D			
4-Chlorophenyl phenyl ether		ND	U	0.9	ug/L	B21H033	08/13/21	08/23/21	8270D
4-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	4.7	"	"	"	"	8270D
Diphenyl amine		ND	U	0.9	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
Hexachlorobenzene		ND	U	0.9	"	"	"	"	8270D
Pentachlorophenol		ND	U	19	"	"	"	"	8270D
Phenanthrene		ND	U	0.9	"	"	"	"	8270D
Anthracene		ND	U	0.9	"	"	"	"	8270D
Carbazole		ND	U	0.9	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	0.9	"	"	"	"	8270D
Fluoranthene		ND	U	0.9	"	"	"	"	8270D
Pyrene		ND	U	0.9	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	0.9	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	0.9	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	4.7	"	"	"	"	8270D
Chrysene		ND	U	0.9	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	0.9	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	0.9	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	0.9	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	0.9	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	0.9	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	0.9	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			63 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			66 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			62 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			68 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			72 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			73 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			71 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			88 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			64 %	*20-179%*		"	"	"	

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Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: **2108016-20**									**Water - Sampled: 08/12/21 13:55**
Sample ID: **AMCO-RMW-05-35-081221**									**Dissolved Metals by EPA 200 Series Methods**
Iron		ND	U	100	ug/L	B21H045	08/16/21	08/31/21	200.7_Dissolved
Arsenic		6.9		0.50	"	B21H046	08/16/21	08/18/21	200.8_Dissolved
Cobalt		0.17	C1, J	0.25	"	"	"	"	200.8_Dissolved
Manganese		ND	U	2	"	"	"	"	200.8_Dissolved
Nickel		1.3		1	"	"	"	"	200.8_Dissolved
Selenium	RE1	3.3		1	"	"	"	08/19/21	200.8_Dissolved
Sample ID: **AMCO-RMW-05-35-081221**									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	U	0.5	"	B21H036	08/13/21	08/13/21	524.2
Chloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Vinyl chloride	RE1	ND	U	0.5	"	"	"	"	524.2
Bromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Acetone	RE1	5.5		4	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	4	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroform	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Benzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Trichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Toluene	RE1	ND	J, Q4, U	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-20 — **Water - Sampled: 08/12/21 13:55**

Sample ID: AMCO-RMW-05-35-081221

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,1,2-Trichloroethane	RE1	ND	U	0.5	ug/L	B21H036	08/13/21	08/13/21	524.2
Tetrachloroethene	RE1	ND	J, Q4, U	0.5	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorobenzene	RE1	ND	J, Q4, U	0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Ethylbenzene	RE1	ND	J, Q4, U	0.5	"	"	"	"	524.2
m&p-Xylene	RE1	ND	J, Q4, U	1	"	"	"	"	524.2
o-Xylene	RE1	ND	J, Q4, U	0.5	"	"	"	"	524.2
Styrene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromoform	RE1	ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	J, Q4, U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Propylbenzene	RE1	ND	J, Q4, U	0.5	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	J, Q4, U	0.5	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	J, Q4, U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	J, Q4, U	0.5	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	ND	J, Q4, U	0.5	"	"	"	"	524.2
sec-Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	0.5	"	"	"	"	524.2
Naphthalene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		96 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE1*		100 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE1*		97 %	*80-110%*		"	"	"	

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-20									**Water - Sampled: 08/12/21 13:55**
Sample ID: AMCO-RMW-05-35-081221									**Volatile Organic Compounds by EPA Method 524.2**
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		99 %	*74-113%*		*B21H036*	*08/13/21*	*08/13/21*	
Sample ID: AMCO-RMW-05-35-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		ND	U	1	"	B21H033	08/13/21	08/20/21	8270D
Phenol		ND	J, Q7, U	4.8	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	1	"	"	"	"	8270D
2-Chlorophenol		ND	U	4.8	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	J, Q7, U	1	"	"	"	"	8270D
Benzyl alcohol		ND	U	4.8	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
2-Methylphenol		ND	U, J, Q4, Q6, Q7	4.8	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	1	"	"	"	"	8270D
3&4-Methylphenol		ND	Q7, J, Q4, Q6, U	4.8	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	1	"	"	"	"	8270D
Hexachloroethane		ND	U	1	"	"	"	"	8270D
Nitrobenzene		ND	U	1	"	"	"	"	8270D
Isophorone		ND	U	1	"	"	"	"	8270D
2-Nitrophenol		ND	U, J, Q7	4.8	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U, J, Q4, Q6	4.8	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol		ND	J, Q7, U	4.8	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	1	"	"	"	"	8270D
Naphthalene		ND	U	1	"	"	"	"	8270D
4-Chloroaniline		ND	U, J, Q4	4.8	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	1	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	J, Q7, U	4.8	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	1	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	4.8	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	J, Q7, U	4.8	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	J, Q7, U	4.8	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	1	"	"	"	"	8270D
2-Nitroaniline		ND	U	4.8	"	"	"	"	8270D
Dimethyl phthalate		ND	U	1	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Acenaphthylene		ND	U	1	"	"	"	"	8270D
3-Nitroaniline		ND	U	4.8	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-20 — **Water - Sampled: 08/12/21 13:55**

Sample ID: AMCO-RMW-05-35-081221

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Acenaphthene		ND	J, Q6, U	1	ug/L	B21H033	08/13/21	08/20/21	8270D
2,4-Dinitrophenol		ND	C3, J, Q6, U	19	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	4.8	"	"	"	"	8270D
Dibenzofuran		ND	U	1	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Diethyl phthalate		ND	U	1	"	"	"	"	8270D
Fluorene		ND	U	1	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
4-Nitroaniline		ND	U	4.8	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	4.8	"	"	"	"	8270D
Diphenyl amine		ND	J, Q4, U	1	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
Hexachlorobenzene		ND	U	1	"	"	"	"	8270D
Pentachlorophenol		ND	U	19	"	"	"	"	8270D
Phenanthrene		ND	U	1	"	"	"	"	8270D
Anthracene		ND	U	1	"	"	"	"	8270D
Carbazole		ND	J, Q6, U	1	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	1	"	"	"	"	8270D
Fluoranthene		ND	U	1	"	"	"	"	8270D
Pyrene		ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	1	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	J, Q4, U	4.8	"	"	"	"	8270D
Chrysene		ND	U	1	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	1	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	1	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	1	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	1	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			49 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			**45 %**	*54-110%*		"	"	"	
Surrogate: Phenol-d5			46 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			50 %	*39-121%*		"	"	"	

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-20									**Water - Sampled: 08/12/21 13:55**
Sample ID: AMCO-RMW-05-35-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
Surrogate: 1,2-Dichlorobenzene-d4		56 %		*31-110%*		*B21H033*	*08/13/21*	*08/20/21*	
Surrogate: Nitrobenzene-d5		59 %		*35-111%*		*"*	*"*	*"*	
Surrogate: 2-Fluorobiphenyl		61 %		*32-115%*		*"*	*"*	*"*	
Surrogate: 2,4,6-Tribromophenol		50 %		*37-150%*		*"*	*"*	*"*	
Surrogate: Terphenyl-d14		63 %		*20-179%*		*"*	*"*	*"*	
Lab ID: 2108016-21									**Water - Sampled: 08/12/21 08:55**
Sample ID: AMCO-RMW-14-35-081221									**Dissolved Metals by EPA 200 Series Methods**
Iron		ND	U	100	ug/L	B21H045	08/16/21	08/31/21	200.7_Dissolved
Arsenic		20		0.50	"	B21H046	08/16/21	08/18/21	200.8_Dissolved
Cobalt		0.35		0.25	"	"	"	"	200.8_Dissolved
Manganese		56		2	"	"	"	"	200.8_Dissolved
Nickel		5.6		1	"	"	"	"	200.8_Dissolved
Selenium	RE1	1.9		1	"	"	"	08/19/21	200.8_Dissolved
Sample ID: AMCO-RMW-14-35-081221									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	C3, J, U	0.5	"	B21H035	08/13/21	08/13/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride		0.9		0.5	"	"	"	"	524.2
Bromomethane		ND	J, Q6, U	0.5	"	"	"	"	524.2
Chloroethane		ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	"	"	"	524.2
Acetone		ND	C3, C4, J, U	4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane		1.1		0.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene		2.2		0.5	"	"	"	"	524.2
2-Butanone (MEK)		ND	U	4	"	"	"	"	524.2
Bromochloromethane		ND	U	0.5	"	"	"	"	524.2
Chloroform		ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	J, Q4, U	0.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	J, Q4, U	0.5	"	"	"	"	524.2
Benzene		ND	Q4, J, U	0.5	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
Trichloroethene		2.0		0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-21									**Water - Sampled: 08/12/21 08:55**
Sample ID: AMCO-RMW-14-35-081221									**Volatile Organic Compounds by EPA Method 524.2**
1,2-Dichloropropane		ND	U	0.5	ug/L	B21H035	08/13/21	08/13/21	524.2
Dibromomethane		ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane		ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Toluene		1.0	J, Q4	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene		ND	J, Q4, U	0.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	J, Q4, U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene		ND	J, Q4, U	0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
Ethylbenzene		ND	J, Q4, U	0.5	"	"	"	"	524.2
m&p-Xylene		0.7	C1, Q4, J	1	"	"	"	"	524.2
o-Xylene		ND	J, Q4, U	0.5	"	"	"	"	524.2
Styrene		ND	U	0.5	"	"	"	"	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		ND	J, Q4, U	0.5	"	"	"	"	524.2
Bromobenzene		ND	J, Q4, U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	J, Q4, U	0.5	"	"	"	"	524.2
Propylbenzene		ND	J, Q4, U	0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	J, Q4, U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	J, Q4, U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	J, Q4, U	0.5	"	"	"	"	524.2
tert-Butylbenzene		ND	J, Q4, U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	J, Q4, U	0.5	"	"	"	"	524.2
sec-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	J, Q4, U	0.5	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene		0.3	C1, J	0.5	"	"	"	"	524.2
Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	J, Q4, U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108016-21**								**Water - Sampled: 08/12/21 08:55**
Sample ID:	**AMCO-RMW-14-35-081221**								**Volatile Organic Compounds by EPA Method 524.2**
Naphthalene		ND	U	0.5	ug/L	B21H035	08/13/21	08/13/21	524.2
1,2,3-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			113 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8			99 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene			99 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			101 %	*74-113%*		"	"	"	
Sample ID:	**AMCO-RMW-14-35-081221**								**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		3.6		0.9	"	B21H042	08/16/21	08/23/21	8270D
Phenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	0.9	"	"	"	"	8270D
2-Chlorophenol		ND	U	4.7	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
Benzyl alcohol		ND	U	4.7	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
2-Methylphenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	0.9	"	"	"	"	8270D
3&4-Methylphenol		ND	U	4.7	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	0.9	"	"	"	"	8270D
Hexachloroethane		ND	U	0.9	"	"	"	"	8270D
Nitrobenzene		ND	U	0.9	"	"	"	"	8270D
Isophorone		ND	U	0.9	"	"	"	"	8270D
2-Nitrophenol		ND	U	4.7	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	0.9	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	4.7	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	0.9	"	"	"	"	8270D
Naphthalene		ND	U	0.9	"	"	"	"	8270D
4-Chloroaniline		ND	U	4.7	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	0.9	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	4.7	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	0.9	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	4.7	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	4.7	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	4.7	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	0.9	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108016-21**								**Water - Sampled: 08/12/21 08:55**
Sample ID:	**AMCO-RMW-14-35-081221**								
						Semivolatile Organic Compounds by EPA Method 8270D			
2-Nitroaniline		ND	U	4.7	ug/L	B21H042	08/16/21	08/23/21	8270D
Dimethyl phthalate		ND	U	0.9	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Acenaphthylene		ND	U	0.9	"	"	"	"	8270D
3-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
Acenaphthene		ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	19	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	4.7	"	"	"	"	8270D
Dibenzofuran		ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Diethyl phthalate		1.0		0.9	"	"	"	"	8270D
Fluorene		ND	U	0.9	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
4-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	4.7	"	"	"	"	8270D
Diphenyl amine		ND	U	0.9	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
Hexachlorobenzene		ND	U	0.9	"	"	"	"	8270D
Pentachlorophenol		ND	U	19	"	"	"	"	8270D
Phenanthrene		ND	U	0.9	"	"	"	"	8270D
Anthracene		ND	U	0.9	"	"	"	"	8270D
Carbazole		ND	U	0.9	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	0.9	"	"	"	"	8270D
Fluoranthene		ND	U	0.9	"	"	"	"	8270D
Pyrene		ND	U	0.9	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	0.9	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	0.9	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	4.7	"	"	"	"	8270D
Chrysene		ND	U	0.9	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	0.9	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	0.9	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	0.9	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	0.9	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	0.9	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-21									**Water - Sampled: 08/12/21 08:55**
Sample ID: AMCO-RMW-14-35-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
Benzo(g,h,i)perylene		ND	U	0.9	ug/L	B21H042	08/16/21	08/23/21	8270D
Surrogate: 1,4-Dioxane-d8			59 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			66 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			63 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			69 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			69 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			70 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			69 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			87 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			53 %	*20-179%*		"	"	"	
Lab ID: 2108016-22									**Water - Sampled: 08/12/21 14:45**
Sample ID: AMCO-RMW-10-15-081221									**Dissolved Metals by EPA 200 Series Methods**
Arsenic		720		20	ug/L	B21H045	08/16/21	08/31/21	200.7_Dissolved
Iron		9,300		100	"	"	"	"	200.7_Dissolved
Manganese		3,700		5	"	"	"	"	200.7_Dissolved
Cobalt		11		0.25	"	B21H046	08/16/21	08/18/21	200.8_Dissolved
Nickel		55		1	"	"	"	"	200.8_Dissolved
Selenium	RE1	7.4		1	"	"	"	08/19/21	200.8_Dissolved
Sample ID: AMCO-RMW-10-15-081221									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	U	2.5	"	B21H043	08/16/21	08/16/21	524.2
Chloromethane	RE1	ND	U	2.5	"	"	"	"	524.2
Vinyl chloride	RE1	ND	U	2.5	"	"	"	"	524.2
Bromomethane	RE1	ND	C4, J, Q2, Q3, U	2.5	"	"	"	"	524.2
Chloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	2.5	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Acetone	RE1	ND	U	20	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	2.5	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	7.2		2.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	10	"	"	"	"	524.2
1,1-Dichloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
cis-1,2-Dichloroethene		290		10	"	B21H034	08/13/21	08/13/21	524.2
2-Butanone (MEK)	RE1	ND	U	20	"	B21H043	08/16/21	08/16/21	524.2
Bromochloromethane	RE1	ND	U	2.5	"	"	"	"	524.2
Chloroform	RE1	ND	U	2.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: **2108016-22**									**Water - Sampled: 08/12/21 14:45**
Sample ID: **AMCO-RMW-10-15-081221**									**Volatile Organic Compounds by EPA Method 524.2**
1,1,1-Trichloroethane	RE1	ND	U	2.5	ug/L	B21H043	08/16/21	08/16/21	524.2
Carbon tetrachloride	RE1	ND	U	2.5	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	2.5	"	"	"	"	524.2
Benzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Trichloroethene	RE1	2.2	C1, J	2.5	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	J, Q2, U	2.5	"	"	"	"	524.2
Dibromomethane	RE1	ND	J, Q2, U	2.5	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	J, C3, U	2.5	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	2.5	"	"	"	"	524.2
Toluene	RE1	ND	U	2.5	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	2.2	C1, C3, J	2.5	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	2.5	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	2.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	2.5	"	"	"	"	524.2
Chlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Ethylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
m&p-Xylene	RE1	ND	U	5	"	"	"	"	524.2
o-Xylene	RE1	ND	U	2.5	"	"	"	"	524.2
Styrene	RE1	ND	U	2.5	"	"	"	"	524.2
Bromoform	RE1	ND	C3, J, U	2.5	"	"	"	"	524.2
Isopropylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
Propylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	2.5	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	2.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
sec-Butylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
p-Isopropyltoluene	RE1	ND	U	2.5	"	"	"	"	524.2

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-22									**Water - Sampled: 08/12/21 14:45**
Sample ID: AMCO-RMW-10-15-081221									**Volatile Organic Compounds by EPA Method 524.2**
1,4-Dichlorobenzene	RE1	ND	U	2.5	ug/L	B21H043	08/16/21	08/16/21	524.2
1,2-Dichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	10	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	2.5	"	"	"	"	524.2
Naphthalene	RE1	ND	U	2.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			95 %	*83-116%*		*B21H034*	*08/13/21*	*08/13/21*	
Surrogate: 1,2-Dichloroethane-d4	*RE1*		94 %	*83-116%*		*B21H043*	*08/16/21*	*08/16/21*	
Surrogate: Toluene-d8			95 %	*81-112%*		*B21H034*	*08/13/21*	*08/13/21*	
Surrogate: Toluene-d8	*RE1*		95 %	*81-112%*		*B21H043*	*08/16/21*	*08/16/21*	
Surrogate: 4-Bromofluorobenzene			95 %	*80-110%*		*B21H034*	*08/13/21*	*08/13/21*	
Surrogate: 4-Bromofluorobenzene	*RE1*		98 %	*80-110%*		*B21H043*	*08/16/21*	*08/16/21*	
Surrogate: 1,2-Dichlorobenzene-d4			94 %	*74-113%*		*B21H034*	*08/13/21*	*08/13/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		96 %	*74-113%*		*B21H043*	*08/16/21*	*08/16/21*	
Sample ID: AMCO-RMW-10-15-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		38		0.9	"	B21H042	08/16/21	08/24/21	8270D
Phenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	0.9	"	"	"	"	8270D
2-Chlorophenol		ND	U	4.7	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
Benzyl alcohol		ND	U	4.7	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
2-Methylphenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	0.9	"	"	"	"	8270D
3&4-Methylphenol		ND	U	4.7	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	0.9	"	"	"	"	8270D
Hexachloroethane		ND	U	0.9	"	"	"	"	8270D
Nitrobenzene		ND	U	0.9	"	"	"	"	8270D
Isophorone		ND	U	0.9	"	"	"	"	8270D
2-Nitrophenol		ND	U	4.7	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	4.7	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	0.9	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	4.7	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	0.9	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-22 — **Water - Sampled: 08/12/21 14:45**

Sample ID: AMCO-RMW-10-15-081221

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Naphthalene		ND	U	0.9	ug/L	B21H042	08/16/21	08/24/21	8270D
4-Chloroaniline		ND	U	4.7	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	0.9	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	4.7	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	0.9	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	4.7	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	4.7	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	4.7	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	0.9	"	"	"	"	8270D
2-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
Dimethyl phthalate		ND	U	0.9	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Acenaphthylene		ND	U	0.9	"	"	"	"	8270D
3-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
Acenaphthene		ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, C4, J, U	19	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	4.7	"	"	"	"	8270D
Dibenzofuran		ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Diethyl phthalate		ND	U	0.9	"	"	"	"	8270D
Fluorene		ND	U	0.9	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
4-Nitroaniline		ND	U	4.7	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U, C4, J, Q3	4.7	"	"	"	"	8270D
Diphenyl amine		ND	U	0.9	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
Hexachlorobenzene		ND	U	0.9	"	"	"	"	8270D
Pentachlorophenol		ND	U	19	"	"	"	"	8270D
Phenanthrene		ND	U	0.9	"	"	"	"	8270D
Anthracene		ND	U	0.9	"	"	"	"	8270D
Carbazole		ND	U	0.9	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	0.9	"	"	"	"	8270D
Fluoranthene		ND	U	0.9	"	"	"	"	8270D
Pyrene		ND	U	0.9	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	0.9	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	0.9	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108016-22									**Water - Sampled: 08/12/21 14:45**
Sample ID: AMCO-RMW-10-15-081221									**Semivolatile Organic Compounds by EPA Method 8270D**
3,3'-Dichlorobenzidine		ND	U	4.7	ug/L	B21H042	08/16/21	08/24/21	8270D
Chrysene		ND	U	0.9	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	0.9	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	0.9	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	0.9	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	0.9	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	0.9	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	0.9	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			72 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			80 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			84 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			86 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			75 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			86 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			101 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			105 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			39 %	*20-179%*		"	"	"	
Lab ID: 2108016-23									**Water - Sampled: 08/12/21 14:50**
Sample ID: AMCO-RMW-05-74-081221									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE2	ND	U	1	ug/L	B21H056	08/18/21	08/18/21	524.2
Chloromethane	RE2	ND	U	1	"	"	"	"	524.2
Vinyl chloride	RE2	ND	U	1	"	"	"	"	524.2
Bromomethane	RE2	ND	C4, J, Q3, U	1	"	"	"	"	524.2
Chloroethane	RE2	ND	U	1	"	"	"	"	524.2
Trichlorofluoromethane	RE2	ND	U	1	"	"	"	"	524.2
1,1-Dichloroethene	RE2	ND	U	1	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE2	ND	U	1	"	"	"	"	524.2
Acetone	RE2	ND	U	8	"	"	"	"	524.2
Dichloromethane	RE2	ND	U	1	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE2	ND	U	1	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE2	ND	U	4	"	"	"	"	524.2
1,1-Dichloroethane	RE2	ND	U	1	"	"	"	"	524.2
2,2-Dichloropropane	RE2	ND	U	1	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE2	ND	U	1	"	"	"	"	524.2
2-Butanone (MEK)	RE2	ND	U	8	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: **2108016-23**									**Water - Sampled: 08/12/21 14:50**
Sample ID: **AMCO-RMW-05-74-081221**									**Volatile Organic Compounds by EPA Method 524.2**
Bromochloromethane	RE2	ND	U	1	ug/L	B21H056	08/18/21	08/18/21	524.2
Chloroform	RE2	0.9	C1, J	1	"	"	"	"	524.2
1,1,1-Trichloroethane	RE2	ND	U	1	"	"	"	"	524.2
Carbon tetrachloride	RE2	ND	U	1	"	"	"	"	524.2
1,1-Dichloropropene	RE2	ND	U	1	"	"	"	"	524.2
Benzene	RE2	ND	U	1	"	"	"	"	524.2
1,2-Dichloroethane	RE2	ND	U	1	"	"	"	"	524.2
Trichloroethene	RE2	ND	U	1	"	"	"	"	524.2
1,2-Dichloropropane	RE2	ND	U	1	"	"	"	"	524.2
Dibromomethane	RE2	ND	U	1	"	"	"	"	524.2
Bromodichloromethane	RE2	ND	U	1	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE2	ND	U	1	"	"	"	"	524.2
Toluene	RE2	ND	U	1	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE2	ND	U	1	"	"	"	"	524.2
1,1,2-Trichloroethane	RE2	ND	U	1	"	"	"	"	524.2
Tetrachloroethene	RE2	ND	U	1	"	"	"	"	524.2
1,3-Dichloropropane	RE2	ND	U	1	"	"	"	"	524.2
Chlorodibromomethane	RE2	ND	U	1	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE2	ND	U	1	"	"	"	"	524.2
Chlorobenzene	RE2	ND	U	1	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE2	ND	U	1	"	"	"	"	524.2
Ethylbenzene	RE2	ND	U	1	"	"	"	"	524.2
m&p-Xylene	RE2	ND	U	2	"	"	"	"	524.2
o-Xylene	RE2	ND	U	1	"	"	"	"	524.2
Styrene	RE2	ND	U	1	"	"	"	"	524.2
Bromoform	RE2	ND	U	1	"	"	"	"	524.2
Isopropylbenzene	RE2	ND	U	1	"	"	"	"	524.2
Bromobenzene	RE2	ND	U	1	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE2	ND	U	1	"	"	"	"	524.2
1,2,3-Trichloropropane	RE2	ND	U	1	"	"	"	"	524.2
Propylbenzene	RE2	ND	U	1	"	"	"	"	524.2
2-Chlorotoluene	RE2	ND	U	1	"	"	"	"	524.2
4-Chlorotoluene	RE2	ND	U	1	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE2	ND	U	1	"	"	"	"	524.2
tert-Butylbenzene	RE2	ND	U	1	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE2	ND	U	1	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: **2108016-23**									**Water - Sampled: 08/12/21 14:50**
Sample ID: **AMCO-RMW-05-74-081221**									**Volatile Organic Compounds by EPA Method 524.2**
sec-Butylbenzene	RE2	ND	U	1	ug/L	B21H056	08/18/21	08/18/21	524.2
1,3-Dichlorobenzene	RE2	ND	U	1	"	"	"	"	524.2
p-Isopropyltoluene	RE2	ND	U	1	"	"	"	"	524.2
1,4-Dichlorobenzene	RE2	ND	U	1	"	"	"	"	524.2
1,2-Dichlorobenzene	RE2	ND	U	1	"	"	"	"	524.2
Butylbenzene	RE2	ND	U	1	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE2	ND	U	4	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE2	ND	U	1	"	"	"	"	524.2
Hexachlorobutadiene	RE2	ND	U	1	"	"	"	"	524.2
Naphthalene	RE2	ND	U	1	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE2	ND	U	1	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE2*		109 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE2*		96 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE2*		100 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE2*		105 %	*74-113%*		"	"	"	
Sample ID: **AMCO-RMW-05-74-081221**									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		ND	U	0.9	"	B21H042	08/16/21	08/23/21	8270D
Phenol		ND	U	4.6	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	0.9	"	"	"	"	8270D
2-Chlorophenol		ND	U	4.6	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
Benzyl alcohol		ND	U	4.6	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	0.9	"	"	"	"	8270D
2-Methylphenol		ND	U	4.6	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	0.9	"	"	"	"	8270D
3&4-Methylphenol		ND	U	4.6	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	0.9	"	"	"	"	8270D
Hexachloroethane		ND	U	0.9	"	"	"	"	8270D
Nitrobenzene		ND	U	0.9	"	"	"	"	8270D
Isophorone		ND	U	0.9	"	"	"	"	8270D
2-Nitrophenol		ND	U	4.6	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	4.6	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	0.9	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	4.6	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	0.9	"	"	"	"	8270D

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108016-23 — **Water - Sampled: 08/12/21 14:50**

Sample ID: AMCO-RMW-05-74-081221

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Naphthalene		ND	U	0.9	ug/L	B21H042	08/16/21	08/23/21	8270D
4-Chloroaniline		ND	U	4.6	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	0.9	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	4.6	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	0.9	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	4.6	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	4.6	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	4.6	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	0.9	"	"	"	"	8270D
2-Nitroaniline		ND	U	4.6	"	"	"	"	8270D
Dimethyl phthalate		ND	U	0.9	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Acenaphthylene		ND	U	0.9	"	"	"	"	8270D
3-Nitroaniline		ND	U	4.6	"	"	"	"	8270D
Acenaphthene		ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	18	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	4.6	"	"	"	"	8270D
Dibenzofuran		ND	U	0.9	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	0.9	"	"	"	"	8270D
Diethyl phthalate		2.6		0.9	"	"	"	"	8270D
Fluorene		ND	U	0.9	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
4-Nitroaniline		ND	U	4.6	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	4.6	"	"	"	"	8270D
Diphenyl amine		ND	U	0.9	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	0.9	"	"	"	"	8270D
Hexachlorobenzene		ND	U	0.9	"	"	"	"	8270D
Pentachlorophenol		ND	U	18	"	"	"	"	8270D
Phenanthrene		ND	U	0.9	"	"	"	"	8270D
Anthracene		ND	U	0.9	"	"	"	"	8270D
Carbazole		ND	U	0.9	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	0.9	"	"	"	"	8270D
Fluoranthene		ND	U	0.9	"	"	"	"	8270D
Pyrene		ND	U	0.9	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	0.9	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	0.9	"	"	"	"	8270D

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Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108016-23**								**Water - Sampled: 08/12/21 14:50**
Sample ID:	**AMCO-RMW-05-74-081221**								
						Semivolatile Organic Compounds by EPA Method 8270D			
3,3'-Dichlorobenzidine		ND	U	4.6	ug/L	B21H042	08/16/21	08/23/21	8270D
Chrysene		ND	U	0.9	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	0.9	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	0.9	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	0.9	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	0.9	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	0.9	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	0.9	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	0.9	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			50 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			56 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			55 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			59 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			47 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			59 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			59 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			95 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			56 %	*20-179%*		"	"	"	

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Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H033 - 3520C CLLE - SVOCs									**Prepared: 08/13/21 Analyzed: 08/20/21**	
									Semivolatile Organic Compounds by EPA Method 8270D - Quality Control	
Blank (B21H033-BLK1)										
1,4-Dioxane	ND	U	1	ug/L						
Phenol	ND	U	5	"						
Bis(2-chloroethyl)ether	ND	U	1	"						
2-Chlorophenol	ND	U	5	"						
1,3-Dichlorobenzene	ND	U	1	"						
1,4-Dichlorobenzene	ND	U	1	"						
Benzyl alcohol	ND	U	5	"						
1,2-Dichlorobenzene	ND	U	1	"						
2-Methylphenol	ND	U	5	"						
Bis(2-chloro-1-methylethyl) ether	ND	U	1	"						
3&4-Methylphenol	ND	U	5	"						
N-Nitrosodipropylamine	ND	U	1	"						
Hexachloroethane	ND	U	1	"						
Nitrobenzene	ND	U	1	"						
Isophorone	ND	U	1	"						
2-Nitrophenol	ND	U	5	"						
2,4-Dimethylphenol	ND	U	5	"						
Bis(2-chloroethoxy)methane	ND	U	1	"						
2,4-Dichlorophenol	ND	U	5	"						
1,2,4-Trichlorobenzene	ND	U	1	"						
Naphthalene	ND	U	1	"						
4-Chloroaniline	ND	U	5	"						
Hexachlorobutadiene	ND	U	1	"						
4-Chloro-3-methylphenol	ND	U	5	"						
2-Methylnaphthalene	ND	U	1	"						
Hexachlorocyclopentadiene	ND	U	5	"						
2,4,6-Trichlorophenol	ND	U	5	"						
2,4,5-Trichlorophenol	ND	U	5	"						
2-Chloronaphthalene	ND	U	1	"						
2-Nitroaniline	ND	U	5	"						
Dimethyl phthalate	ND	U	1	"						
2,6-Dinitrotoluene	ND	U	1	"						
Acenaphthylene	ND	U	1	"						
3-Nitroaniline	ND	U	5	"						
Acenaphthene	ND	U	1	"						
2,4-Dinitrophenol	ND	C3, J, U	20	"						
4-Nitrophenol	ND	C3, J, U	5	"						
Dibenzofuran	ND	U	1	"						
2,4-Dinitrotoluene	ND	U	1	"						
Diethyl phthalate	ND	U	1	"						
Fluorene	ND	U	1	"						
4-Chlorophenyl phenyl ether	ND	U	1	"						

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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H033 - 3520C CLLE - SVOCs										**Prepared: 08/13/21 Analyzed: 08/20/21**
										Semivolatile Organic Compounds by EPA Method 8270D - Quality Control
Blank (B21H033-BLK1)										
4-Nitroaniline	ND	U	5	"						
4,6-Dinitro-2-methylphenol	ND	U	5	"						
Diphenyl amine	ND	U	1	"						
4-Bromophenyl phenyl ether	ND	U	1	"						
Hexachlorobenzene	ND	U	1	"						
Pentachlorophenol	ND	U	20	"						
Phenanthrene	ND	U	1	"						
Anthracene	ND	U	1	"						
Carbazole	ND	U	1	"						
Di-n-butyl phthalate	ND	U	1	"						
Fluoranthene	ND	U	1	"						
Pyrene	ND	U	1	"						
Butyl benzyl phthalate	ND	U	1	"						
Benzo(a)anthracene	ND	U	1	"						
3,3'-Dichlorobenzidine	ND	U	5	"						
Chrysene	ND	U	1	"						
Bis(2-ethylhexyl) phthalate	ND	U	1	"						
Di-n-octyl phthalate	ND	U	1	"						
Benzo(b)fluoranthene	ND	U	1	"						
Benzo(k)fluoranthene	ND	U	1	"						
Benzo(a)pyrene	ND	U	1	"						
Indeno(1,2,3-cd)pyrene	ND	U	1	"						
Dibenz(a,h)anthracene	ND	U	1	"						
Benzo(g,h,i)perylene	ND	U	1	"						
Surrogate: 1,4-Dioxane-d8		*2.55*		*"*	*5.00*		51	*34-110*		
Surrogate: 2-Fluorophenol		*28.5*		*"*	*50.0*		57	*54-110*		
Surrogate: Phenol-d5		*28.2*		*"*	*50.0*		56	*29-127*		
Surrogate: 2-Chlorophenol-d4		*29.7*		*"*	*50.0*		59	*39-121*		
Surrogate: 1,2-Dichlorobenzene-d4		*28.1*		*"*	*50.0*		56	*31-110*		
Surrogate: Nitrobenzene-d5		*30.5*		*"*	*50.0*		61	*35-111*		
Surrogate: 2-Fluorobiphenyl		*30.2*		*"*	*50.0*		60	*32-115*		
Surrogate: 2,4,6-Tribromophenol		*38.2*		*"*	*50.0*		76	*37-150*		
Surrogate: Terphenyl-d14		*39.9*		*"*	*50.0*		80	*20-179*		
LCS (B21H033-BS1)										
1,4-Dioxane	10.3		1	ug/L	10.0		103	82-118		
Phenol	36.3		5	"	50.0		73	48-110		
Bis(2-chloroethyl)ether	7.98		1	"	10.0		80	50-114		
2-Chlorophenol	37.5		5	"	50.0		75	52-110		
1,3-Dichlorobenzene	6.31		1	"	10.0		63	32-110		

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Quality Control

Batch B21H033 - 3520C CLLE - SVOCs — **Prepared: 08/13/21 Analyzed: 08/20/21**

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

LCS (B21H033-BS1)

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,4-Dichlorobenzene	6.48		1	"	10.0		65	32-110		
Benzyl alcohol	38.6		5	"	50.0		77	52-110		
1,2-Dichlorobenzene	6.62		1	"	10.0		66	34-110		
2-Methylphenol	36.5		5	"	50.0		73	56-110		
Bis(2-chloro-1-methylethyl) ether	8.06		1	"	10.0		81	36-132		
3&4-Methylphenol	42.5		5	"	50.0		85	59-117		
N-Nitrosodipropylamine	8.26		1	"	10.0		83	54-110		
Hexachloroethane	5.16		1	"	10.0		52	27-110		
Nitrobenzene	8.47		1	"	10.0		85	55-114		
Isophorone	8.08		1	"	10.0		81	56-110		
2-Nitrophenol	39.6		5	"	50.0		79	55-111		
2,4-Dimethylphenol	45.8		5	"	50.0		92	36-125		
Bis(2-chloroethoxy)methane	8.14		1	"	10.0		81	47-114		
2,4-Dichlorophenol	42.7		5	"	50.0		85	56-116		
1,2,4-Trichlorobenzene	7.05		1	"	10.0		70	32-110		
Naphthalene	7.76		1	"	10.0		78	44-110		
4-Chloroaniline	38.3		5	"	50.0		77	20-142		
Hexachlorobutadiene	4.87		1	"	10.0		49	26-110		
4-Chloro-3-methylphenol	43.9		5	"	50.0		88	52-121		
2-Methylnaphthalene	7.87		1	"	10.0		79	43-110		
Hexachlorocyclopentadiene	28.2		5	"	50.0		56	20-110		
2,4,6-Trichlorophenol	40.3		5	"	50.0		81	57-117		
2,4,5-Trichlorophenol	41.5		5	"	50.0		83	51-127		
2-Chloronaphthalene	7.83		1	"	10.0		78	47-110		
2-Nitroaniline	45.1		5	"	50.0		90	57-121		
Dimethyl phthalate	9.44		1	"	10.0		94	64-122		
2,6-Dinitrotoluene	9.75		1	"	10.0		98	61-116		
Acenaphthylene	8		1	"	10.0		80	53-110		
3-Nitroaniline	45		5	"	50.0		90	20-164		
Acenaphthene	11.8		1	"	10.0		118	79-146		
2,4-Dinitrophenol	59.5		20	"	50.0		119	40-141		
4-Nitrophenol	53.3		5	"	50.0		107	62-140		
Dibenzofuran	9.02		1	"	10.0		90	57-112		
2,4-Dinitrotoluene	10.2		1	"	10.0		102	60-120		
Diethyl phthalate	9.59		1	"	10.0		96	61-127		
Fluorene	9.38		1	"	10.0		94	58-117		
4-Chlorophenyl phenyl ether	9.34		1	"	10.0		93	53-112		
4-Nitroaniline	45		5	"	50.0		90	30-120		
4,6-Dinitro-2-methylphenol	52.5		5	"	50.0		105	60-149		
Diphenyl amine	8.52		1	"	10.0		85	21-115		
4-Bromophenyl phenyl ether	9.23		1	"	10.0		92	56-110		
Hexachlorobenzene	8.84		1	"	10.0		88	55-110		

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Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H033 - 3520C CLLE - SVOCs									**Prepared: 08/13/21 Analyzed: 08/20/21**	
									Semivolatile Organic Compounds by EPA Method 8270D - Quality Control	
LCS (B21H033-BS1)										
Pentachlorophenol	47.4		20	"	50.0		95	56-116		
Phenanthrene	9.14		1	"	10.0		91	53-123		
Anthracene	9.1		1	"	10.0		91	54-122		
Carbazole	9.18		1	"	10.0		92	23-126		
Di-n-butyl phthalate	10.1		1	"	10.0		101	66-126		
Fluoranthene	9.96		1	"	10.0		100	59-124		
Pyrene	9.38		1	"	10.0		94	54-133		
Butyl benzyl phthalate	9.23		1	"	10.0		92	56-135		
Benzo(a)anthracene	8.52		1	"	10.0		85	55-129		
3,3'-Dichlorobenzidine	37.1		5	"	50.0		74	20-128		
Chrysene	8.9		1	"	10.0		89	58-129		
Bis(2-ethylhexyl) phthalate	8.98		1	"	10.0		90	53-152		
Di-n-octyl phthalate	9.49		1	"	10.0		95	33-160		
Benzo(b)fluoranthene	9.46		1	"	10.0		95	36-151		
Benzo(k)fluoranthene	9.99		1	"	10.0		100	36-155		
Benzo(a)pyrene	9.16		1	"	10.0		92	36-132		
Indeno(1,2,3-cd)pyrene	9.13		1	"	10.0		91	35-151		
Dibenz(a,h)anthracene	9.59		1	"	10.0		96	29-165		
Benzo(g,h,i)perylene	9.44		1	"	10.0		94	42-147		
Surrogate: 1,4-Dioxane-d8	*3.52*			*"*	*5.00*		70	*34-110*		
Surrogate: 2-Fluorophenol	*36.8*			*"*	*50.0*		74	*54-110*		
Surrogate: Phenol-d5	*35.9*			*"*	*50.0*		72	*29-127*		
Surrogate: 2-Chlorophenol-d4	*37.8*			*"*	*50.0*		76	*39-121*		
Surrogate: 1,2-Dichlorobenzene-d4	*34.4*			*"*	*50.0*		69	*31-110*		
Surrogate: Nitrobenzene-d5	*39.4*			*"*	*50.0*		79	*35-111*		
Surrogate: 2-Fluorobiphenyl	*35.5*			*"*	*50.0*		71	*32-115*		
Surrogate: 2,4,6-Tribromophenol	*48.8*			*"*	*50.0*		98	*37-150*		
Surrogate: Terphenyl-d14	*43.4*			*"*	*50.0*		87	*20-179*		
Matrix Spike (B21H033-MS1)		**Source: 2108016-20**								
1,4-Dioxane	10.3		1	ug/L	9.51	ND	108	82-118		
Phenol	29.6		4.8	"	47.5	ND	62	48-110		
Bis(2-chloroethyl)ether	7.19		1	"	9.51	ND	76	50-114		
2-Chlorophenol	31.4		4.8	"	47.5	ND	66	52-110		
1,3-Dichlorobenzene	5.86		1	"	9.51	ND	62	32-110		
1,4-Dichlorobenzene	5.99		1	"	9.51	ND	63	32-110		
Benzyl alcohol	35		4.8	"	47.5	ND	74	52-110		
1,2-Dichlorobenzene	6.27		1	"	9.51	ND	66	34-110		
2-Methylphenol	25.1		4.8	"	47.5	ND	**53**	56-110		
Bis(2-chloro-1-methylethyl) ether	7.3		1	"	9.51	ND	77	36-132		

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Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Batch B21H033 - 3520C CLLE - SVOCs — **Prepared: 08/13/21 Analyzed: 08/20/21**

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike (B21H033-MS1)		**Source: 2108016-20**								
3&4-Methylphenol	25.2		4.8	"	47.5	ND	**53**	59-117		
N-Nitrosodipropylamine	7.82		1	"	9.51	ND	82	54-110		
Hexachloroethane	4.7		1	"	9.51	ND	49	27-110		
Nitrobenzene	8.05		1	"	9.51	ND	85	55-114		
Isophorone	7.74		1	"	9.51	ND	81	56-110		
2-Nitrophenol	37.6		4.8	"	47.5	ND	79	55-111		
2,4-Dimethylphenol	13.3		4.8	"	47.5	ND	**28**	36-125		
Bis(2-chloroethoxy)methane	7.45		1	"	9.51	ND	78	47-114		
2,4-Dichlorophenol	36.6		4.8	"	47.5	ND	77	56-116		
1,2,4-Trichlorobenzene	6.73		1	"	9.51	ND	71	32-110		
Naphthalene	7.44		1	"	9.51	ND	78	44-110		
4-Chloroaniline	2.59	J	4.8	"	47.5	ND	**5**	20-142		
Hexachlorobutadiene	4.25		1	"	9.51	ND	45	26-110		
4-Chloro-3-methylphenol	38		4.8	"	47.5	ND	80	52-121		
2-Methylnaphthalene	7.7		1	"	9.51	ND	81	43-110		
Hexachlorocyclopentadiene	25.3		4.8	"	47.5	ND	53	20-110		
2,4,6-Trichlorophenol	34.3		4.8	"	47.5	ND	72	57-117		
2,4,5-Trichlorophenol	42.2		4.8	"	47.5	ND	89	51-127		
2-Chloronaphthalene	7.58		1	"	9.51	ND	80	47-110		
2-Nitroaniline	42.8		4.8	"	47.5	ND	90	57-121		
Dimethyl phthalate	9.16		1	"	9.51	ND	96	64-122		
2,6-Dinitrotoluene	9.32		1	"	9.51	ND	98	61-116		
Acenaphthylene	7.53		1	"	9.51	ND	79	53-110		
3-Nitroaniline	32.6		4.8	"	47.5	ND	68	20-164		
Acenaphthene	10.7		1	"	9.51	ND	113	79-146		
2,4-Dinitrophenol	56.7		19	"	47.5	ND	119	40-141		
4-Nitrophenol	53.9		4.8	"	47.5	ND	113	62-140		
Dibenzofuran	8.72		1	"	9.51	ND	92	57-112		
2,4-Dinitrotoluene	10.1		1	"	9.51	ND	106	60-120		
Diethyl phthalate	9.55		1	"	9.51	ND	100	61-127		
Fluorene	8.99		1	"	9.51	ND	95	58-117		
4-Chlorophenyl phenyl ether	8.98		1	"	9.51	ND	94	53-112		
4-Nitroaniline	35		4.8	"	47.5	ND	74	30-120		
4,6-Dinitro-2-methylphenol	50.8		4.8	"	47.5	ND	107	60-149		
Diphenyl amine	ND	U	1	"	9.51	ND		21-115		
4-Bromophenyl phenyl ether	9.01		1	"	9.51	ND	95	56-110		
Hexachlorobenzene	8.69		1	"	9.51	ND	91	55-110		
Pentachlorophenol	42.9		19	"	47.5	ND	90	56-116		
Phenanthrene	8.94		1	"	9.51	ND	94	53-123		
Anthracene	6.44		1	"	9.51	ND	68	54-122		
Carbazole	6.41		1	"	9.51	ND	67	23-126		
Di-n-butyl phthalate	9.92		1	"	9.51	ND	104	66-126		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H033 - 3520C CLLE - SVOCs									**Prepared: 08/13/21 Analyzed: 08/20/21**	
							Semivolatile Organic Compounds by EPA Method 8270D - Quality Control			
Matrix Spike (B21H033-MS1)		**Source: 2108016-20**								
Fluoranthene	9.33		1	"	9.51	ND	98	59-124		
Pyrene	8.81		1	"	9.51	ND	93	54-133		
Butyl benzyl phthalate	10.5		1	"	9.51	ND	110	56-135		
Benzo(a)anthracene	8.41		1	"	9.51	ND	89	55-159		
3,3'-Dichlorobenzidine	ND	U	4.8	"	47.5	ND		20-128		
Chrysene	8.86		1	"	9.51	ND	93	58-129		
Bis(2-ethylhexyl) phthalate	10.6		1	"	9.51	ND	111	53-152		
Di-n-octyl phthalate	11.4		1	"	9.51	ND	120	33-160		
Benzo(b)fluoranthene	9.71		1	"	9.51	ND	102	36-151		
Benzo(k)fluoranthene	9.42		1	"	9.51	ND	99	36-155		
Benzo(a)pyrene	8.04		1	"	9.51	ND	85	36-132		
Indeno(1,2,3-cd)pyrene	8.78		1	"	9.51	ND	92	35-151		
Dibenz(a,h)anthracene	9.28		1	"	9.51	ND	98	29-165		
Benzo(g,h,i)perylene	8.85		1	"	9.51	ND	93	42-147		
Surrogate: 1,4-Dioxane-d8	*2.92*			*"*	*5.00*		58	*34-110*		
Surrogate: 2-Fluorophenol	*29.4*			*"*	*50.0*		59	*54-110*		
Surrogate: Phenol-d5	*29.3*			*"*	*50.0*		59	*29-127*		
Surrogate: 2-Chlorophenol-d4	*31.7*			*"*	*50.0*		63	*39-121*		
Surrogate: 1,2-Dichlorobenzene-d4	*31.3*			*"*	*50.0*		63	*31-110*		
Surrogate: Nitrobenzene-d5	*35.8*			*"*	*50.0*		72	*35-111*		
Surrogate: 2-Fluorobiphenyl	*34.1*			*"*	*50.0*		68	*32-115*		
Surrogate: 2,4,6-Tribromophenol	*33.4*			*"*	*50.0*		67	*37-150*		
Surrogate: Terphenyl-d14	*35.0*			*"*	*50.0*		70	*20-179*		
Matrix Spike Dup (B21H033-MSD1)		**Source: 2108016-20**								
1,4-Dioxane	10.1		1	ug/L	9.52	ND	106	82-118	2	20
Phenol	29.1		4.8	"	47.6	ND	61	48-110	2	20
Bis(2-chloroethyl)ether	7.17		1	"	9.52	ND	75	50-114	0.2	20
2-Chlorophenol	30.2		4.8	"	47.6	ND	63	52-110	4	20
1,3-Dichlorobenzene	6.38		1	"	9.52	ND	67	32-110	9	20
1,4-Dichlorobenzene	6.53		1	"	9.52	ND	69	32-110	9	20
Benzyl alcohol	36.5		4.8	"	47.6	ND	77	52-110	4	20
1,2-Dichlorobenzene	6.62		1	"	9.52	ND	70	34-110	5	20
2-Methylphenol	20.4		4.8	"	47.6	ND	**43**	56-110	**21**	20
Bis(2-chloro-1-methylethyl) ether	7.47		1	"	9.52	ND	78	36-132	2	20
3&4-Methylphenol	19.9		4.8	"	47.6	ND	**42**	59-117	**24**	20
N-Nitrosodipropylamine	8.07		1	"	9.52	ND	85	54-110	3	20
Hexachloroethane	5.66		1	"	9.52	ND	59	27-110	19	20
Nitrobenzene	7.6		1	"	9.52	ND	80	55-114	6	20
Isophorone	7.62		1	"	9.52	ND	80	56-110	2	20

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H033 - 3520C CLLE - SVOCs									**Prepared: 08/13/21 Analyzed: 08/21/21**	
						Semivolatile Organic Compounds by EPA Method 8270D - Quality Control				
Matrix Spike Dup (B21H033-MSD1)		**Source: 2108016-20**								
2-Nitrophenol	38.8		4.8	"	47.6	ND	82	55-111	3	20
2,4-Dimethylphenol	7.78		4.8	"	47.6	ND	**16**	36-125	**52**	20
Bis(2-chloroethoxy)methane	7.7		1	"	9.52	ND	81	47-114	3	20
2,4-Dichlorophenol	34.4		4.8	"	47.6	ND	72	56-116	6	20
1,2,4-Trichlorobenzene	7.28		1	"	9.52	ND	76	32-110	8	20
Naphthalene	7.68		1	"	9.52	ND	81	44-110	3	20
4-Chloroaniline	7.5		4.8	"	47.6	ND	**16**	20-142	**97**	20
Hexachlorobutadiene	5.1		1	"	9.52	ND	54	26-110	18	20
4-Chloro-3-methylphenol	32.5		4.8	"	47.6	ND	68	52-121	16	20
2-Methylnaphthalene	7.92		1	"	9.52	ND	83	43-110	3	20
Hexachlorocyclopentadiene	28.9		4.8	"	47.6	ND	61	20-110	13	20
2,4,6-Trichlorophenol	29		4.8	"	47.6	ND	61	57-117	17	20
2,4,5-Trichlorophenol	39		4.8	"	47.6	ND	82	51-127	8	20
2-Chloronaphthalene	7.78		1	"	9.52	ND	82	47-110	3	20
2-Nitroaniline	42.7		4.8	"	47.6	ND	90	57-121	0.2	20
Dimethyl phthalate	9.22		1	"	9.52	ND	97	64-122	0.7	20
2,6-Dinitrotoluene	9.33		1	"	9.52	ND	98	61-116	0.2	20
Acenaphthylene	7.37		1	"	9.52	ND	77	53-110	2	20
3-Nitroaniline	34.1		4.8	"	47.6	ND	72	20-164	5	20
Acenaphthene	8.27		1	"	9.52	ND	87	79-146	**26**	20
2,4-Dinitrophenol	29.9		19	"	47.6	ND	63	40-141	**62**	20
4-Nitrophenol	54.9		4.8	"	47.6	ND	115	62-140	2	20
Dibenzofuran	8.61		1	"	9.52	ND	90	57-112	1	20
2,4-Dinitrotoluene	10.2		1	"	9.52	ND	107	60-120	2	20
Diethyl phthalate	9.64		1	"	9.52	ND	101	61-127	0.9	20
Fluorene	8.94		1	"	9.52	ND	94	58-117	0.6	20
4-Chlorophenyl phenyl ether	9		1	"	9.52	ND	95	53-112	0.2	20
4-Nitroaniline	39.4		4.8	"	47.6	ND	83	30-120	12	20
4,6-Dinitro-2-methylphenol	45.8		4.8	"	47.6	ND	96	60-149	10	20
Diphenyl amine	ND	U	1	"	9.52	ND		21-115		20
4-Bromophenyl phenyl ether	8.97		1	"	9.52	ND	94	56-110	0.5	20
Hexachlorobenzene	8.59		1	"	9.52	ND	90	55-110	1	20
Pentachlorophenol	35.3		19	"	47.6	ND	74	56-116	19	20
Phenanthrene	8.83		1	"	9.52	ND	93	53-123	1	20
Anthracene	5.47		1	"	9.52	ND	57	54-122	16	20
Carbazole	4.87		1	"	9.52	ND	51	23-126	**27**	20
Di-n-butyl phthalate	9.67		1	"	9.52	ND	102	66-126	2	20
Fluoranthene	9.23		1	"	9.52	ND	97	59-124	1	20
Pyrene	8.07		1	"	9.52	ND	85	54-133	9	20
Butyl benzyl phthalate	9.7		1	"	9.52	ND	102	56-135	8	20
Benzo(a)anthracene	8.16		1	"	9.52	ND	86	55-159	3	20
3,3'-Dichlorobenzidine	ND	U	4.8	"	47.6	ND		20-128		20

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H033 - 3520C CLLE - SVOCs									**Prepared: 08/13/21 Analyzed: 08/21/21**	
									Semivolatile Organic Compounds by EPA Method 8270D - Quality Control	
Matrix Spike Dup (B21H033-MSD1)		**Source: 2108016-20**								
Chrysene	8.62		1	"	9.52	ND	91	58-129	3	20
Bis(2-ethylhexyl) phthalate	10.6		1	"	9.52	ND	111	53-152	0.02	20
Di-n-octyl phthalate	10.2		1	"	9.52	ND	108	33-160	10	20
Benzo(b)fluoranthene	9.35		1	"	9.52	ND	98	36-151	4	20
Benzo(k)fluoranthene	9.46		1	"	9.52	ND	99	36-155	0.4	20
Benzo(a)pyrene	8.88		1	"	9.52	ND	93	36-132	10	20
Indeno(1,2,3-cd)pyrene	8.89		1	"	9.52	ND	93	35-151	1	20
Dibenz(a,h)anthracene	9.46		1	"	9.52	ND	99	29-165	2	20
Benzo(g,h,i)perylene	9.04		1	"	9.52	ND	95	42-147	2	20
Surrogate: 1,4-Dioxane-d8	*2.83*			*"*	*5.00*		57	*34-110*		
Surrogate: 2-Fluorophenol	*27.8*			*"*	*50.0*		56	*54-110*		
Surrogate: Phenol-d5	*29.1*			*"*	*50.0*		58	*29-127*		
Surrogate: 2-Chlorophenol-d4	*30.7*			*"*	*50.0*		61	*39-121*		
Surrogate: 1,2-Dichlorobenzene-d4	*33.0*			*"*	*50.0*		66	*31-110*		
Surrogate: Nitrobenzene-d5	*36.2*			*"*	*50.0*		72	*35-111*		
Surrogate: 2-Fluorobiphenyl	*34.2*			*"*	*50.0*		68	*32-115*		
Surrogate: 2,4,6-Tribromophenol	*27.6*			*"*	*50.0*		55	*37-150*		
Surrogate: Terphenyl-d14	*32.9*			*"*	*50.0*		66	*20-179*		
Batch B21H034 - 5030 P&T VOA - VOCs									**Prepared & Analyzed: 08/13/21**	
									Volatile Organic Compounds by EPA Method 524.2 - Quality Control	
Blank (B21H034-BLK1)										
Dichlorodifluoromethane	ND	U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	C4, J, Q3, U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	U	4	"						
Dichloromethane	ND	U	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H034 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/13/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H034-BLK1)										
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	C4, J, Q2, Q3, U	0.5	"						
Dibromomethane	ND	C4, J, Q2, Q3, U	0.5	"						
Bromodichloromethane	ND	C3, J, U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	C3, J, U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	C3, J, U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H034 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/13/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H034-BLK1)										
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*4.73*			*"*	*5.00*		95	*83-116*		
Surrogate: Toluene-d8	*4.77*			*"*	*5.00*		95	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.77*			*"*	*5.00*		95	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.80*			*"*	*5.00*		96	*74-113*		
LCS (B21H034-BS1)										
Dichlorodifluoromethane	5.26		0.5	ug/L	5.00		105	70-128		
Chloromethane	4.59		0.5	"	5.00		92	63-123		
Vinyl chloride	4.62		0.5	"	5.00		92	70-130		
Bromomethane	1.79		0.5	"	5.00		36	31-150		
Chloroethane	5.14		0.5	"	5.00		103	74-119		
Trichlorofluoromethane	5.48		0.5	"	5.00		110	72-123		
1,1-Dichloroethene	5.53		0.5	"	5.00		111	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.5		0.5	"	5.00		110	73-129		
Acetone	38.5		4	"	40.0		96	61-114		
Dichloromethane	5.37		0.5	"	5.00		107	70-130		
trans-1,2-Dichloroethene	5.33		0.5	"	5.00		107	70-130		
tert-Butyl methyl ether (MTBE)	21		2	"	20.0		105	62-117		
1,1-Dichloroethane	5.18		0.5	"	5.00		104	74-115		
2,2-Dichloropropane	4.88		0.5	"	5.00		98	64-144		
cis-1,2-Dichloroethene	4.73		0.5	"	5.00		95	70-130		
2-Butanone (MEK)	33.9		4	"	40.0		85	57-121		
Bromochloromethane	4.76		0.5	"	5.00		95	71-122		
Chloroform	4.71		0.5	"	5.00		94	70-130		
1,1,1-Trichloroethane	4.87		0.5	"	5.00		97	70-130		
Carbon tetrachloride	5.06		0.5	"	5.00		101	70-130		
1,1-Dichloropropene	4.8		0.5	"	5.00		96	71-119		
Benzene	4.8		0.5	"	5.00		96	70-130		
1,2-Dichloroethane	4.57		0.5	"	5.00		91	70-130		
Trichloroethene	4.99		0.5	"	5.00		100	70-130		
1,2-Dichloropropane	2.67		0.5	"	5.00		**53**	70-130		
Dibromomethane	3.11		0.5	"	5.00		**62**	72-121		
Bromodichloromethane	3.73		0.5	"	5.00		75	70-130		
cis-1,3-Dichloropropene	4.85		0.5	"	5.00		97	68-120		
Toluene	4.83		0.5	"	5.00		97	70-130		
trans-1,3-Dichloropropene	5.07		0.5	"	5.00		101	64-126		
1,1,2-Trichloroethane	4.59		0.5	"	5.00		92	70-130		
Tetrachloroethene	5.1		0.5	"	5.00		102	70-130		

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Region 9 Laboratory
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H034 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/13/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H034-BS1)										
1,3-Dichloropropane	4.76		0.5	"	5.00		95	80-114		
Chlorodibromomethane	5.04		0.5	"	5.00		101	70-130		
1,2-Dibromoethane (EDB)	4.87		0.5	"	5.00		97	80-115		
Chlorobenzene	4.8		0.5	"	5.00		96	70-130		
1,1,1,2-Tetrachloroethane	5.09		0.5	"	5.00		102	82-116		
Ethylbenzene	4.89		0.5	"	5.00		98	70-130		
m&p-Xylene	9.78		1	"	10.0		98	70-130		
o-Xylene	4.9		0.5	"	5.00		98	70-130		
Styrene	4.87		0.5	"	5.00		97	70-130		
Bromoform	5.11		0.5	"	5.00		102	70-130		
Isopropylbenzene	4.92		0.5	"	5.00		98	86-114		
Bromobenzene	4.85		0.5	"	5.00		97	84-110		
1,1,2,2-Tetrachloroethane	4.67		0.5	"	5.00		93	81-113		
1,2,3-Trichloropropane	4.75		0.5	"	5.00		95	81-114		
Propylbenzene	4.87		0.5	"	5.00		97	87-115		
2-Chlorotoluene	4.75		0.5	"	5.00		95	84-111		
4-Chlorotoluene	4.8		0.5	"	5.00		96	82-112		
1,3,5-Trimethylbenzene	4.84		0.5	"	5.00		97	85-113		
tert-Butylbenzene	4.92		0.5	"	5.00		98	86-114		
1,2,4-Trimethylbenzene	4.82		0.5	"	5.00		96	84-114		
sec-Butylbenzene	4.83		0.5	"	5.00		97	87-119		
1,3-Dichlorobenzene	4.83		0.5	"	5.00		97	85-110		
p-Isopropyltoluene	4.84		0.5	"	5.00		97	86-117		
1,4-Dichlorobenzene	4.79		0.5	"	5.00		96	70-130		
1,2-Dichlorobenzene	4.77		0.5	"	5.00		95	70-130		
Butylbenzene	4.76		0.5	"	5.00		95	85-118		
1,2-Dibromo-3-chloropropane	19.3		2	"	20.0		96	54-133		
1,2,4-Trichlorobenzene	4.89		0.5	"	5.00		98	70-130		
Hexachlorobutadiene	4.26		0.5	"	5.00		85	66-113		
Naphthalene	5.01		0.5	"	5.00		100	58-126		
1,2,3-Trichlorobenzene	4.73		0.5	"	5.00		95	65-119		
Surrogate: 1,2-Dichloroethane-d4	*4.70*			*"*	*5.00*		94	*83-116*		
Surrogate: Toluene-d8	*4.89*			*"*	*5.00*		98	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.96*			*"*	*5.00*		99	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.94*			*"*	*5.00*		99	*74-113*		
Batch B21H035 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/13/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H035-BLK1)										
Dichlorodifluoromethane	ND	C3, J, U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H035 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/13/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H035-BLK1)										
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	C3, C4, J, U	4	"						
Dichloromethane	ND	U	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H035 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/13/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H035-BLK1)										
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*5.30*			*"*	*5.00*		106	*83-116*		
Surrogate: Toluene-d8	*4.94*			*"*	*5.00*		99	*81-112*		
Surrogate: 4-Bromofluorobenzene	*5.07*			*"*	*5.00*		101	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.09*			*"*	*5.00*		102	*74-113*		
LCS (B21H035-BS1)										
Dichlorodifluoromethane	5.94		0.5	ug/L	5.00		119	70-128		
Chloromethane	5.31		0.5	"	5.00		106	63-123		
Vinyl chloride	5.35		0.5	"	5.00		107	70-130		
Bromomethane	4.57		0.5	"	5.00		91	31-150		
Chloroethane	5.13		0.5	"	5.00		103	74-119		
Trichlorofluoromethane	5.38		0.5	"	5.00		108	72-123		
1,1-Dichloroethene	5.03		0.5	"	5.00		101	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.54		0.5	"	5.00		111	73-129		
Acetone	33.2		4	"	40.0		83	61-114		
Dichloromethane	4.79		0.5	"	5.00		96	70-130		
trans-1,2-Dichloroethene	4.92		0.5	"	5.00		98	70-130		
tert-Butyl methyl ether (MTBE)	18.5		2	"	20.0		93	62-117		
1,1-Dichloroethane	4.84		0.5	"	5.00		97	74-115		
2,2-Dichloropropane	5.25		0.5	"	5.00		105	64-144		
cis-1,2-Dichloroethene	5		0.5	"	5.00		100	70-130		
2-Butanone (MEK)	42		4	"	40.0		105	57-121		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H035 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/13/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H035-BS1)										
Bromochloromethane	5.09		0.5	"	5.00		102	71-122		
Chloroform	5.02		0.5	"	5.00		100	70-130		
1,1,1-Trichloroethane	5.17		0.5	"	5.00		103	70-130		
Carbon tetrachloride	5.37		0.5	"	5.00		107	70-130		
1,1-Dichloropropene	5.37		0.5	"	5.00		107	71-119		
Benzene	5.08		0.5	"	5.00		102	70-130		
1,2-Dichloroethane	4.97		0.5	"	5.00		99	70-130		
Trichloroethene	5.17		0.5	"	5.00		103	70-130		
1,2-Dichloropropane	5.19		0.5	"	5.00		104	70-130		
Dibromomethane	5.14		0.5	"	5.00		103	72-121		
Bromodichloromethane	4.95		0.5	"	5.00		99	70-130		
cis-1,3-Dichloropropene	5.08		0.5	"	5.00		102	68-120		
Toluene	5.27		0.5	"	5.00		105	70-130		
trans-1,3-Dichloropropene	5.08		0.5	"	5.00		102	64-126		
1,1,2-Trichloroethane	5.3		0.5	"	5.00		106	70-130		
Tetrachloroethene	5.57		0.5	"	5.00		111	70-130		
1,3-Dichloropropane	5.38		0.5	"	5.00		108	80-114		
Chlorodibromomethane	5.19		0.5	"	5.00		104	70-130		
1,2-Dibromoethane (EDB)	5.25		0.5	"	5.00		105	80-115		
Chlorobenzene	5.15		0.5	"	5.00		103	70-130		
1,1,1,2-Tetrachloroethane	5.15		0.5	"	5.00		103	82-116		
Ethylbenzene	5.27		0.5	"	5.00		105	70-130		
m&p-Xylene	10.5		1	"	10.0		105	70-130		
o-Xylene	5.19		0.5	"	5.00		104	70-130		
Styrene	5.27		0.5	"	5.00		105	70-130		
Bromoform	5.06		0.5	"	5.00		101	70-130		
Isopropylbenzene	5.31		0.5	"	5.00		106	86-114		
Bromobenzene	5.07		0.5	"	5.00		101	84-110		
1,1,2,2-Tetrachloroethane	5.41		0.5	"	5.00		108	81-113		
1,2,3-Trichloropropane	5.29		0.5	"	5.00		106	81-114		
Propylbenzene	5.43		0.5	"	5.00		109	87-115		
2-Chlorotoluene	5.23		0.5	"	5.00		105	84-111		
4-Chlorotoluene	5.29		0.5	"	5.00		106	82-112		
1,3,5-Trimethylbenzene	5.25		0.5	"	5.00		105	85-113		
tert-Butylbenzene	5.29		0.5	"	5.00		106	86-114		
1,2,4-Trimethylbenzene	5.21		0.5	"	5.00		104	84-114		
sec-Butylbenzene	5.48		0.5	"	5.00		110	87-119		
1,3-Dichlorobenzene	5.17		0.5	"	5.00		103	85-110		
p-Isopropyltoluene	5.38		0.5	"	5.00		108	86-117		
1,4-Dichlorobenzene	5.12		0.5	"	5.00		102	70-130		
1,2-Dichlorobenzene	5.09		0.5	"	5.00		102	70-130		
Butylbenzene	5.49		0.5	"	5.00		110	85-118		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H035 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/13/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H035-BS1)										
1,2-Dibromo-3-chloropropane	19.9		2	"	20.0		100	54-133		
1,2,4-Trichlorobenzene	4.97		0.5	"	5.00		99	70-130		
Hexachlorobutadiene	5.36		0.5	"	5.00		107	66-113		
Naphthalene	4.99		0.5	"	5.00		100	58-126		
1,2,3-Trichlorobenzene	5.05		0.5	"	5.00		101	65-119		
Surrogate: 1,2-Dichloroethane-d4		*5.17*		*"*	*5.00*		103	*83-116*		
Surrogate: Toluene-d8		*5.14*		*"*	*5.00*		103	*81-112*		
Surrogate: 4-Bromofluorobenzene		*4.89*		*"*	*5.00*		98	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4		*5.05*		*"*	*5.00*		101	*74-113*		
Matrix Spike (B21H035-MS1)		**Source: 2108016-21**								
Dichlorodifluoromethane	6.18		0.5	ug/L	5.00	ND	124	62-142		
Chloromethane	5.31		0.5	"	5.00	ND	106	54-144		
Vinyl chloride	6.77		0.5	"	5.00	0.88	118	62-141		
Bromomethane	2.54		0.5	"	5.00	ND	51	32-150		
Chloroethane	5.53		0.5	"	5.00	ND	111	68-136		
Trichlorofluoromethane	5.97		0.5	"	5.00	ND	119	66-142		
1,1-Dichloroethene	5.59		0.5	"	5.00	ND	112	73-134		
1,1,2-Trichloro-1,2,2-trifluoroethane	6.01		0.5	"	5.00	ND	120	65-148		
Acetone	35.3		4	"	40.0	ND	88	20-150		
Dichloromethane	4.75		0.5	"	5.00	ND	95	65-126		
trans-1,2-Dichloroethene	5.39		0.5	"	5.00	ND	108	70-134		
tert-Butyl methyl ether (MTBE)	19.7		2	"	20.0	ND	98	56-128		
1,1-Dichloroethane	6.27		0.5	"	5.00	1.09	104	67-134		
2,2-Dichloropropane	5.57		0.5	"	5.00	ND	111	41-150		
cis-1,2-Dichloroethene	7.67		0.5	"	5.00	2.17	110	63-137		
2-Butanone (MEK)	45.2		4	"	40.0	ND	113	48-142		
Bromochloromethane	5.33		0.5	"	5.00	ND	107	70-132		
Chloroform	5.53		0.5	"	5.00	ND	111	65-141		
1,1,1-Trichloroethane	5.7		0.5	"	5.00	ND	114	69-116		
Carbon tetrachloride	6		0.5	"	5.00	ND	120	65-130		
1,1-Dichloropropene	5.99		0.5	"	5.00	ND	**120**	71-116		
Benzene	5.65		0.5	"	5.00	ND	113	77-115		
1,2-Dichloroethane	5.31		0.5	"	5.00	ND	106	71-112		
Trichloroethene	7.79		0.5	"	5.00	2	116	65-124		
1,2-Dichloropropane	5.6		0.5	"	5.00	ND	112	73-118		
Dibromomethane	5.28		0.5	"	5.00	ND	106	65-123		
Bromodichloromethane	5.28		0.5	"	5.00	ND	106	72-118		
cis-1,3-Dichloropropene	5.3		0.5	"	5.00	ND	106	69-113		
Toluene	6.69		0.5	"	5.00	0.98	114	84-115		
trans-1,3-Dichloropropene	5.13		0.5	"	5.00	ND	103	67-117		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H035 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Matrix Spike (B21H035-MS1)		**Source: 2108016-21**								
1,1,2-Trichloroethane	5.56		0.5	"	5.00	ND	111	81-115		
Tetrachloroethene	5.88		0.5	"	5.00	ND	**118**	81-115		
1,3-Dichloropropane	5.51		0.5	"	5.00	ND	110	82-113		
Chlorodibromomethane	5.41		0.5	"	5.00	ND	108	82-116		
1,2-Dibromoethane (EDB)	5.48		0.5	"	5.00	ND	110	83-115		
Chlorobenzene	5.4		0.5	"	5.00	ND	108	82-110		
1,1,1,2-Tetrachloroethane	5.29		0.5	"	5.00	ND	106	77-116		
Ethylbenzene	5.84		0.5	"	5.00	ND	**117**	85-112		
m&p-Xylene	11.7		1	"	10.0	0.68	111	84-113		
o-Xylene	5.66		0.5	"	5.00	ND	**113**	82-110		
Styrene	5.44		0.5	"	5.00	ND	109	25-150		
Bromoform	5.14		0.5	"	5.00	ND	103	69-121		
Isopropylbenzene	5.62		0.5	"	5.00	ND	112	80-117		
Bromobenzene	5.28		0.5	"	5.00	ND	106	84-110		
1,1,2,2-Tetrachloroethane	5.66		0.5	"	5.00	ND	113	77-117		
1,2,3-Trichloropropane	5.6		0.5	"	5.00	ND	112	78-115		
Propylbenzene	5.78		0.5	"	5.00	ND	116	83-116		
2-Chlorotoluene	5.46		0.5	"	5.00	ND	109	83-110		
4-Chlorotoluene	5.5		0.5	"	5.00	ND	110	82-110		
1,3,5-Trimethylbenzene	5.52		0.5	"	5.00	ND	110	82-112		
tert-Butylbenzene	5.58		0.5	"	5.00	ND	112	81-115		
1,2,4-Trimethylbenzene	5.59		0.5	"	5.00	ND	112	81-113		
sec-Butylbenzene	5.77		0.5	"	5.00	ND	115	79-122		
1,3-Dichlorobenzene	5.35		0.5	"	5.00	ND	107	82-110		
p-Isopropyltoluene	5.64		0.5	"	5.00	ND	113	78-120		
1,4-Dichlorobenzene	5.26		0.5	"	5.00	ND	105	81-110		
1,2-Dichlorobenzene	5.56		0.5	"	5.00	0.33	105	82-110		
Butylbenzene	5.76		0.5	"	5.00	ND	115	72-122		
1,2-Dibromo-3-chloropropane	20.7		2	"	20.0	ND	103	47-131		
1,2,4-Trichlorobenzene	5.29		0.5	"	5.00	ND	106	62-115		
Hexachlorobutadiene	5.54		0.5	"	5.00	ND	111	51-116		
Naphthalene	5.36		0.5	"	5.00	ND	107	47-137		
1,2,3-Trichlorobenzene	5.31		0.5	"	5.00	ND	106	62-117		
Surrogate: 1,2-Dichloroethane-d4	*5.28*			*"*	*5.00*		106	*83-116*		
Surrogate: Toluene-d8	*5.00*			*"*	*5.00*		100	*81-112*		
Surrogate: 4-Bromofluorobenzene	*5.04*			*"*	*5.00*		101	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.12*			*"*	*5.00*		102	*74-113*		
Matrix Spike Dup (B21H035-MSD1)		**Source: 2108016-21**								
Dichlorodifluoromethane	6.39		0.5	ug/L	5.00	ND	128	62-142	3	21
Chloromethane	5.53		0.5	"	5.00	ND	111	54-144	4	20

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Batch B21H035 - 5030 P&T VOA - VOCs — **Prepared & Analyzed: 08/16/21**

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Matrix Spike Dup (B21H035-MSD1) — **Source: 2108016-21**

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Vinyl chloride	6.97		0.5	"	5.00	0.88	122	62-141	3	19
Bromomethane	3.17		0.5	"	5.00	ND	63	32-150	**22**	20
Chloroethane	5.72		0.5	"	5.00	ND	114	68-136	3	17
Trichlorofluoromethane	6.17		0.5	"	5.00	ND	123	66-142	3	19
1,1-Dichloroethene	5.72		0.5	"	5.00	ND	114	73-134	2	18
1,1,2-Trichloro-1,2,2-trifluoroethane	6.17		0.5	"	5.00	ND	123	65-148	3	19
Acetone	35.9		4	"	40.0	ND	90	20-150	2	31
Dichloromethane	4.96		0.5	"	5.00	ND	99	65-126	4	16
trans-1,2-Dichloroethene	5.56		0.5	"	5.00	ND	111	70-134	3	19
tert-Butyl methyl ether (MTBE)	19.7		2	"	20.0	ND	98	56-128	0	22
1,1-Dichloroethane	6.54		0.5	"	5.00	1.09	109	67-134	4	19
2,2-Dichloropropane	5.69		0.5	"	5.00	ND	114	41-150	2	40
cis-1,2-Dichloroethene	7.68		0.5	"	5.00	2.17	110	63-137	0.1	46
2-Butanone (MEK)	46.8		4	"	40.0	ND	117	48-142	3	34
Bromochloromethane	5.36		0.5	"	5.00	ND	107	70-132	0.6	21
Chloroform	5.65		0.5	"	5.00	ND	113	65-141	2	23
1,1,1-Trichloroethane	5.84		0.5	"	5.00	ND	**117**	69-116	2	14
Carbon tetrachloride	6.18		0.5	"	5.00	ND	124	65-130	3	14
1,1-Dichloropropene	6.1		0.5	"	5.00	ND	**122**	71-116	2	15
Benzene	5.81		0.5	"	5.00	ND	**116**	77-115	3	13
1,2-Dichloroethane	5.36		0.5	"	5.00	ND	107	71-112	0.9	14
Trichloroethene	7.93		0.5	"	5.00	2	119	65-124	2	15
1,2-Dichloropropane	5.85		0.5	"	5.00	ND	117	73-118	4	14
Dibromomethane	5.54		0.5	"	5.00	ND	111	65-123	5	16
Bromodichloromethane	5.37		0.5	"	5.00	ND	107	72-118	2	16
cis-1,3-Dichloropropene	5.33		0.5	"	5.00	ND	107	69-113	0.6	19
Toluene	6.91		0.5	"	5.00	0.98	**119**	84-115	3	15
trans-1,3-Dichloropropene	5.21		0.5	"	5.00	ND	104	67-117	2	19
1,1,2-Trichloroethane	5.7		0.5	"	5.00	ND	114	81-115	2	20
Tetrachloroethene	6.07		0.5	"	5.00	ND	**121**	81-115	3	14
1,3-Dichloropropane	5.72		0.5	"	5.00	ND	**114**	82-113	4	18
Chlorodibromomethane	5.51		0.5	"	5.00	ND	110	82-116	2	18
1,2-Dibromoethane (EDB)	5.65		0.5	"	5.00	ND	113	83-115	3	20
Chlorobenzene	5.6		0.5	"	5.00	ND	**112**	82-110	4	13
1,1,1,2-Tetrachloroethane	5.48		0.5	"	5.00	ND	110	77-116	4	17
Ethylbenzene	6.07		0.5	"	5.00	ND	**121**	85-112	4	13
m&p-Xylene	12.5		1	"	10.0	0.68	**118**	84-113	6	13
o-Xylene	5.95		0.5	"	5.00	ND	**119**	82-110	5	13
Styrene	5.67		0.5	"	5.00	ND	113	25-150	4	29
Bromoform	5.3		0.5	"	5.00	ND	106	69-121	3	17
Isopropylbenzene	5.88		0.5	"	5.00	ND	**118**	80-117	5	14
Bromobenzene	5.51		0.5	"	5.00	ND	110	84-110	4	14

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H035 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Matrix Spike Dup (B21H035-MSD1)		**Source: 2108016-21**								
1,1,2,2-Tetrachloroethane	5.87		0.5	"	5.00	ND	117	77-117	4	15
1,2,3-Trichloropropane	5.78		0.5	"	5.00	ND	**116**	78-115	3	13
Propylbenzene	6.01		0.5	"	5.00	ND	**120**	83-116	4	12
2-Chlorotoluene	5.63		0.5	"	5.00	ND	**113**	83-110	3	12
4-Chlorotoluene	5.76		0.5	"	5.00	ND	**115**	82-110	5	12
1,3,5-Trimethylbenzene	5.77		0.5	"	5.00	ND	**115**	82-112	4	13
tert-Butylbenzene	5.87		0.5	"	5.00	ND	**117**	81-115	5	16
1,2,4-Trimethylbenzene	5.75		0.5	"	5.00	ND	**115**	81-113	3	13
sec-Butylbenzene	6.01		0.5	"	5.00	ND	120	79-122	4	14
1,3-Dichlorobenzene	5.6		0.5	"	5.00	ND	**112**	82-110	5	12
p-Isopropyltoluene	5.87		0.5	"	5.00	ND	117	78-120	4	13
1,4-Dichlorobenzene	5.47		0.5	"	5.00	ND	109	81-110	4	11
1,2-Dichlorobenzene	5.84		0.5	"	5.00	0.33	110	82-110	5	12
Butylbenzene	5.96		0.5	"	5.00	ND	119	72-122	3	10
1,2-Dibromo-3-chloropropane	21.5		2	"	20.0	ND	108	47-131	4	15
1,2,4-Trichlorobenzene	5.33		0.5	"	5.00	ND	107	62-115	0.8	13
Hexachlorobutadiene	5.93		0.5	"	5.00	ND	**119**	51-116	7	14
Naphthalene	5.56		0.5	"	5.00	ND	111	47-137	4	16
1,2,3-Trichlorobenzene	5.47		0.5	"	5.00	ND	109	62-117	3	17
Surrogate: 1,2-Dichloroethane-d4	*5.08*			*"*	*5.00*		102	*83-116*		
Surrogate: Toluene-d8	*5.01*			*"*	*5.00*		100	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.95*			*"*	*5.00*		99	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.08*			*"*	*5.00*		102	*74-113*		
Batch B21H036 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/13/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H036-BLK1)										
Dichlorodifluoromethane	ND	U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	U	4	"						
Dichloromethane	ND	U	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H036 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/13/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H036-BLK1)										
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H036 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/13/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H036-BLK1)										
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*5.00*			*"*	*5.00*		100	*83-116*		
Surrogate: Toluene-d8	*5.04*			*"*	*5.00*		101	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.85*			*"*	*5.00*		97	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.69*			*"*	*5.00*		94	*74-113*		
LCS (B21H036-BS1)										
Dichlorodifluoromethane	4.71		0.5	ug/L	5.00		94	70-128		
Chloromethane	4.08		0.5	"	5.00		82	63-123		
Vinyl chloride	4.5		0.5	"	5.00		90	70-130		
Bromomethane	4.4		0.5	"	5.00		88	31-150		
Chloroethane	4.58		0.5	"	5.00		92	74-119		
Trichlorofluoromethane	4.78		0.5	"	5.00		96	72-123		
1,1-Dichloroethene	4.62		0.5	"	5.00		92	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	4.61		0.5	"	5.00		92	73-129		
Acetone	32.4		4	"	40.0		81	61-114		
Dichloromethane	4.5		0.5	"	5.00		90	70-130		
trans-1,2-Dichloroethene	4.53		0.5	"	5.00		91	70-130		
tert-Butyl methyl ether (MTBE)	17.3		2	"	20.0		87	62-117		
1,1-Dichloroethane	4.53		0.5	"	5.00		91	74-115		
2,2-Dichloropropane	5.17		0.5	"	5.00		103	64-144		
cis-1,2-Dichloroethene	4.78		0.5	"	5.00		96	70-130		
2-Butanone (MEK)	35.2		4	"	40.0		88	57-121		
Bromochloromethane	4.7		0.5	"	5.00		94	71-122		
Chloroform	4.84		0.5	"	5.00		97	70-130		
1,1,1-Trichloroethane	4.97		0.5	"	5.00		99	70-130		
Carbon tetrachloride	4.95		0.5	"	5.00		99	70-130		
1,1-Dichloropropene	4.69		0.5	"	5.00		94	71-119		
Benzene	4.75		0.5	"	5.00		95	70-130		
1,2-Dichloroethane	4.58		0.5	"	5.00		92	70-130		
Trichloroethene	4.79		0.5	"	5.00		96	70-130		
1,2-Dichloropropane	4.75		0.5	"	5.00		95	70-130		
Dibromomethane	4.7		0.5	"	5.00		94	72-121		
Bromodichloromethane	4.79		0.5	"	5.00		96	70-130		
cis-1,3-Dichloropropene	4.81		0.5	"	5.00		96	68-120		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H036 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/13/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H036-BS1)										
Toluene	4.82		0.5	"	5.00		96	70-130		
trans-1,3-Dichloropropene	4.9		0.5	"	5.00		98	64-126		
1,1,2-Trichloroethane	4.85		0.5	"	5.00		97	70-130		
Tetrachloroethene	4.91		0.5	"	5.00		98	70-130		
1,3-Dichloropropane	4.84		0.5	"	5.00		97	80-114		
Chlorodibromomethane	4.98		0.5	"	5.00		100	70-130		
1,2-Dibromoethane (EDB)	4.91		0.5	"	5.00		98	80-115		
Chlorobenzene	4.88		0.5	"	5.00		98	70-130		
1,1,1,2-Tetrachloroethane	4.94		0.5	"	5.00		99	82-116		
Ethylbenzene	5		0.5	"	5.00		100	70-130		
m&p-Xylene	9.88		1	"	10.0		99	70-130		
o-Xylene	4.92		0.5	"	5.00		98	70-130		
Styrene	4.83		0.5	"	5.00		97	70-130		
Bromoform	4.85		0.5	"	5.00		97	70-130		
Isopropylbenzene	4.97		0.5	"	5.00		99	86-114		
Bromobenzene	4.83		0.5	"	5.00		97	84-110		
1,1,2,2-Tetrachloroethane	4.94		0.5	"	5.00		99	81-113		
1,2,3-Trichloropropane	4.76		0.5	"	5.00		95	81-114		
Propylbenzene	5.03		0.5	"	5.00		101	87-115		
2-Chlorotoluene	4.9		0.5	"	5.00		98	84-111		
4-Chlorotoluene	4.9		0.5	"	5.00		98	82-112		
1,3,5-Trimethylbenzene	4.89		0.5	"	5.00		98	85-113		
tert-Butylbenzene	4.88		0.5	"	5.00		98	86-114		
1,2,4-Trimethylbenzene	4.89		0.5	"	5.00		98	84-114		
sec-Butylbenzene	4.88		0.5	"	5.00		98	87-119		
1,3-Dichlorobenzene	4.76		0.5	"	5.00		95	85-110		
p-Isopropyltoluene	4.8		0.5	"	5.00		96	86-117		
1,4-Dichlorobenzene	4.77		0.5	"	5.00		95	70-130		
1,2-Dichlorobenzene	4.76		0.5	"	5.00		95	70-130		
Butylbenzene	4.81		0.5	"	5.00		96	85-118		
1,2-Dibromo-3-chloropropane	19		2	"	20.0		95	54-133		
1,2,4-Trichlorobenzene	4.59		0.5	"	5.00		92	70-130		
Hexachlorobutadiene	4.72		0.5	"	5.00		94	66-113		
Naphthalene	4.29		0.5	"	5.00		86	58-126		
1,2,3-Trichlorobenzene	4.62		0.5	"	5.00		92	65-119		
Surrogate: 1,2-Dichloroethane-d4	*5.00*			*"*	*5.00*		100	*83-116*		
Surrogate: Toluene-d8	*5.02*			*"*	*5.00*		100	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.95*			*"*	*5.00*		99	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.83*			*"*	*5.00*		97	*74-113*		

Matrix Spike (B21H036-MS1) **Source: 2108016-20RE1**

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H036 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/13/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Matrix Spike (B21H036-MS1)		**Source: 2108016-20RE1**								
Dichlorodifluoromethane	5.63		0.5	ug/L	5.00	ND	113	62-142		
Chloromethane	5.27		0.5	"	5.00	ND	105	54-144		
Vinyl chloride	5.49		0.5	"	5.00	ND	110	62-141		
Bromomethane	5.39		0.5	"	5.00	ND	108	32-150		
Chloroethane	5.55		0.5	"	5.00	ND	111	68-136		
Trichlorofluoromethane	5.78		0.5	"	5.00	ND	116	66-142		
1,1-Dichloroethene	5.54		0.5	"	5.00	ND	111	73-134		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.58		0.5	"	5.00	ND	112	65-148		
Acetone	40.3		4	"	40.0	5.48	87	20-150		
Dichloromethane	5.18		0.5	"	5.00	ND	104	65-126		
trans-1,2-Dichloroethene	5.52		0.5	"	5.00	ND	110	70-134		
tert-Butyl methyl ether (MTBE)	20.3		2	"	20.0	ND	102	56-128		
1,1-Dichloroethane	5.4		0.5	"	5.00	ND	108	67-134		
2,2-Dichloropropane	6.08		0.5	"	5.00	ND	122	41-150		
cis-1,2-Dichloroethene	5.47		0.5	"	5.00	ND	109	63-137		
2-Butanone (MEK)	37.9		4	"	40.0	ND	95	48-142		
Bromochloromethane	5.23		0.5	"	5.00	ND	105	70-132		
Chloroform	5.73		0.5	"	5.00	ND	115	65-141		
1,1,1-Trichloroethane	5.74		0.5	"	5.00	ND	115	69-116		
Carbon tetrachloride	5.71		0.5	"	5.00	ND	114	65-130		
1,1-Dichloropropene	5.54		0.5	"	5.00	ND	111	71-116		
Benzene	5.5		0.5	"	5.00	ND	110	77-115		
1,2-Dichloroethane	5.28		0.5	"	5.00	ND	106	71-112		
Trichloroethene	5.44		0.5	"	5.00	ND	109	65-124		
1,2-Dichloropropane	5.39		0.5	"	5.00	ND	108	73-118		
Dibromomethane	5.19		0.5	"	5.00	ND	104	65-123		
Bromodichloromethane	5.33		0.5	"	5.00	ND	107	72-118		
cis-1,3-Dichloropropene	5.38		0.5	"	5.00	ND	108	69-113		
Toluene	5.93		0.5	"	5.00	ND	**119**	84-115		
trans-1,3-Dichloropropene	5.58		0.5	"	5.00	ND	112	67-117		
1,1,2-Trichloroethane	5.47		0.5	"	5.00	ND	109	81-115		
Tetrachloroethene	5.88		0.5	"	5.00	ND	**118**	81-115		
1,3-Dichloropropane	5.4		0.5	"	5.00	ND	108	82-113		
Chlorodibromomethane	5.6		0.5	"	5.00	ND	112	82-116		
1,2-Dibromoethane (EDB)	5.42		0.5	"	5.00	ND	108	83-115		
Chlorobenzene	5.57		0.5	"	5.00	ND	**111**	82-110		
1,1,1,2-Tetrachloroethane	5.57		0.5	"	5.00	ND	111	77-116		
Ethylbenzene	5.81		0.5	"	5.00	ND	**116**	85-112		
m&p-Xylene	11.5		1	"	10.0	ND	**115**	84-113		
o-Xylene	5.72		0.5	"	5.00	ND	**114**	82-110		
Styrene	3.66		0.5	"	5.00	ND	73	25-150		
Bromoform	5.42		0.5	"	5.00	ND	108	69-121		

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H036 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/13/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Matrix Spike (B21H036-MS1)		**Source: 2108016-20RE1**								
Isopropylbenzene	5.79		0.5	"	5.00	ND	116	80-117		
Bromobenzene	5.48		0.5	"	5.00	ND	110	84-110		
1,1,2,2-Tetrachloroethane	5.99		0.5	"	5.00	ND	**120**	77-117		
1,2,3-Trichloropropane	5.25		0.5	"	5.00	ND	105	78-115		
Propylbenzene	5.84		0.5	"	5.00	ND	**117**	83-116		
2-Chlorotoluene	5.67		0.5	"	5.00	ND	**113**	83-110		
4-Chlorotoluene	5.6		0.5	"	5.00	ND	**112**	82-110		
1,3,5-Trimethylbenzene	5.73		0.5	"	5.00	ND	**115**	82-112		
tert-Butylbenzene	5.71		0.5	"	5.00	ND	114	81-115		
1,2,4-Trimethylbenzene	5.71		0.5	"	5.00	ND	**114**	81-113		
sec-Butylbenzene	5.73		0.5	"	5.00	ND	115	79-122		
1,3-Dichlorobenzene	5.47		0.5	"	5.00	ND	109	82-110		
p-Isopropyltoluene	5.71		0.5	"	5.00	ND	114	78-120		
1,4-Dichlorobenzene	5.43		0.5	"	5.00	ND	109	81-110		
1,2-Dichlorobenzene	5.48		0.5	"	5.00	ND	110	82-110		
Butylbenzene	5.72		0.5	"	5.00	ND	114	72-122		
1,2-Dibromo-3-chloropropane	21.7		2	"	20.0	ND	109	47-131		
1,2,4-Trichlorobenzene	5.43		0.5	"	5.00	ND	109	62-115		
Hexachlorobutadiene	5.45		0.5	"	5.00	ND	109	51-116		
Naphthalene	5.13		0.5	"	5.00	ND	103	47-137		
1,2,3-Trichlorobenzene	5.38		0.5	"	5.00	ND	108	62-117		
Surrogate: 1,2-Dichloroethane-d4		*4.76*		*"*	*5.00*		95	*83-116*		
Surrogate: Toluene-d8		*5.15*		*"*	*5.00*		103	*81-112*		
Surrogate: 4-Bromofluorobenzene		*4.95*		*"*	*5.00*		99	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4		*4.94*		*"*	*5.00*		99	*74-113*		
Matrix Spike Dup (B21H036-MSD1)		**Source: 2108016-20RE1**								
Dichlorodifluoromethane	5.61		0.5	ug/L	5.00	ND	112	62-142	0.4	21
Chloromethane	5.26		0.5	"	5.00	ND	105	54-144	0.2	20
Vinyl chloride	5.51		0.5	"	5.00	ND	110	62-141	0.4	19
Bromomethane	5.34		0.5	"	5.00	ND	107	32-150	0.9	20
Chloroethane	5.56		0.5	"	5.00	ND	111	68-136	0.2	17
Trichlorofluoromethane	5.76		0.5	"	5.00	ND	115	66-142	0.3	19
1,1-Dichloroethene	5.59		0.5	"	5.00	ND	112	73-134	0.9	18
1,1,2-Trichloro-1,2,2-trifluoroethane	5.53		0.5	"	5.00	ND	111	65-148	0.9	19
Acetone	41.5		4	"	40.0	5.48	90	20-150	3	31
Dichloromethane	5.16		0.5	"	5.00	ND	103	65-126	0.4	16
trans-1,2-Dichloroethene	5.5		0.5	"	5.00	ND	110	70-134	0.4	19
tert-Butyl methyl ether (MTBE)	20.4		2	"	20.0	ND	102	56-128	0.4	22
1,1-Dichloroethane	5.38		0.5	"	5.00	ND	108	67-134	0.4	19
2,2-Dichloropropane	5.89		0.5	"	5.00	ND	118	41-150	3	40

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Batch B21H036 - 5030 P&T VOA - VOCs — **Prepared & Analyzed: 08/13/21**

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Matrix Spike Dup (B21H036-MSD1) — **Source: 2108016-20RE1**

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	5.36		0.5	"	5.00	ND	107	63-137	2	46
2-Butanone (MEK)	38.3		4	"	40.0	ND	96	48-142	1	34
Bromochloromethane	5.08		0.5	"	5.00	ND	102	70-132	3	21
Chloroform	5.61		0.5	"	5.00	ND	112	65-141	2	23
1,1,1-Trichloroethane	5.67		0.5	"	5.00	ND	113	69-116	1	14
Carbon tetrachloride	5.66		0.5	"	5.00	ND	113	65-130	0.9	14
1,1-Dichloropropene	5.48		0.5	"	5.00	ND	110	71-116	1	15
Benzene	5.4		0.5	"	5.00	ND	108	77-115	2	13
1,2-Dichloroethane	4.88		0.5	"	5.00	ND	98	71-112	8	14
Trichloroethene	5.31		0.5	"	5.00	ND	106	65-124	2	15
1,2-Dichloropropane	5.24		0.5	"	5.00	ND	105	73-118	3	14
Dibromomethane	5.03		0.5	"	5.00	ND	101	65-123	3	16
Bromodichloromethane	5.25		0.5	"	5.00	ND	105	72-118	2	16
cis-1,3-Dichloropropene	5.22		0.5	"	5.00	ND	104	69-113	3	19
Toluene	5.83		0.5	"	5.00	ND	**117**	84-115	2	15
trans-1,3-Dichloropropene	5.51		0.5	"	5.00	ND	110	67-117	1	19
1,1,2-Trichloroethane	5.34		0.5	"	5.00	ND	107	81-115	2	20
Tetrachloroethene	5.79		0.5	"	5.00	ND	**116**	81-115	2	14
1,3-Dichloropropane	5.32		0.5	"	5.00	ND	106	82-113	1	18
Chlorodibromomethane	5.44		0.5	"	5.00	ND	109	82-116	3	18
1,2-Dibromoethane (EDB)	5.29		0.5	"	5.00	ND	106	83-115	2	20
Chlorobenzene	5.45		0.5	"	5.00	ND	109	82-110	2	13
1,1,1,2-Tetrachloroethane	5.5		0.5	"	5.00	ND	110	77-116	1	17
Ethylbenzene	5.74		0.5	"	5.00	ND	**115**	85-112	1	13
m&p-Xylene	11.4		1	"	10.0	ND	**114**	84-113	1	13
o-Xylene	5.64		0.5	"	5.00	ND	**113**	82-110	1	13
Styrene	3.69		0.5	"	5.00	ND	74	25-150	0.8	29
Bromoform	5.25		0.5	"	5.00	ND	105	69-121	3	17
Isopropylbenzene	5.75		0.5	"	5.00	ND	115	80-117	0.7	14
Bromobenzene	5.45		0.5	"	5.00	ND	109	84-110	0.5	14
1,1,2,2-Tetrachloroethane	5.77		0.5	"	5.00	ND	115	77-117	4	15
1,2,3-Trichloropropane	5.2		0.5	"	5.00	ND	104	78-115	1	13
Propylbenzene	5.77		0.5	"	5.00	ND	115	83-116	1	12
2-Chlorotoluene	5.6		0.5	"	5.00	ND	**112**	83-110	1	12
4-Chlorotoluene	5.55		0.5	"	5.00	ND	**111**	82-110	0.9	12
1,3,5-Trimethylbenzene	5.66		0.5	"	5.00	ND	**113**	82-112	1	13
tert-Butylbenzene	5.62		0.5	"	5.00	ND	112	81-115	2	16
1,2,4-Trimethylbenzene	5.63		0.5	"	5.00	ND	113	81-113	1	13
sec-Butylbenzene	5.69		0.5	"	5.00	ND	114	79-122	0.7	14
1,3-Dichlorobenzene	5.41		0.5	"	5.00	ND	108	82-110	1	12
p-Isopropyltoluene	5.66		0.5	"	5.00	ND	113	78-120	0.9	13
1,4-Dichlorobenzene	5.4		0.5	"	5.00	ND	108	81-110	0.6	11

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H036 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/13/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Matrix Spike Dup (B21H036-MSD1)		**Source: 2108016-20RE1**								
1,2-Dichlorobenzene	5.36		0.5	"	5.00	ND	107	82-110	2	12
Butylbenzene	5.64		0.5	"	5.00	ND	113	72-122	1	10
1,2-Dibromo-3-chloropropane	21.6		2	"	20.0	ND	108	47-131	0.4	15
1,2,4-Trichlorobenzene	5.38		0.5	"	5.00	ND	108	62-115	0.9	13
Hexachlorobutadiene	5.37		0.5	"	5.00	ND	107	51-116	1	14
Naphthalene	5.08		0.5	"	5.00	ND	102	47-137	1	16
1,2,3-Trichlorobenzene	5.32		0.5	"	5.00	ND	106	62-117	1	17
Surrogate: 1,2-Dichloroethane-d4	*4.72*			*"*	*5.00*		94	*83-116*		
Surrogate: Toluene-d8	*5.16*			*"*	*5.00*		103	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.94*			*"*	*5.00*		99	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.91*			*"*	*5.00*		98	*74-113*		
Batch B21H041 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H041-BLK1)										
Dichlorodifluoromethane	ND	U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	U	4	"						
Dichloromethane	ND	U	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H041 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H041-BLK1)										
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*5.19*			*"*	*5.00*		104	*83-116*		
Surrogate: Toluene-d8	*4.97*			*"*	*5.00*		99	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.95*			*"*	*5.00*		99	*80-110*		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H041 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H041-BLK1)										
Surrogate: 1,2-Dichlorobenzene-d4	*5.12*			*"*	*5.00*		102	*74-113*		
LCS (B21H041-BS1)										
Dichlorodifluoromethane	4.82		0.5	ug/L	5.00		96	70-128		
Chloromethane	4.35		0.5	"	5.00		87	63-123		
Vinyl chloride	4.57		0.5	"	5.00		91	70-130		
Bromomethane	4.74		0.5	"	5.00		95	31-150		
Chloroethane	4.63		0.5	"	5.00		93	74-119		
Trichlorofluoromethane	4.71		0.5	"	5.00		94	72-123		
1,1-Dichloroethene	4.67		0.5	"	5.00		93	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	4.53		0.5	"	5.00		91	73-129		
Acetone	33.7		4	"	40.0		84	61-114		
Dichloromethane	4.67		0.5	"	5.00		93	70-130		
trans-1,2-Dichloroethene	4.56		0.5	"	5.00		91	70-130		
tert-Butyl methyl ether (MTBE)	17.6		2	"	20.0		88	62-117		
1,1-Dichloroethane	4.52		0.5	"	5.00		90	74-115		
2,2-Dichloropropane	5		0.5	"	5.00		100	64-144		
cis-1,2-Dichloroethene	4.9		0.5	"	5.00		98	70-130		
2-Butanone (MEK)	35.4		4	"	40.0		89	57-121		
Bromochloromethane	5.02		0.5	"	5.00		100	71-122		
Chloroform	4.96		0.5	"	5.00		99	70-130		
1,1,1-Trichloroethane	4.92		0.5	"	5.00		98	70-130		
Carbon tetrachloride	4.98		0.5	"	5.00		100	70-130		
1,1-Dichloropropene	4.75		0.5	"	5.00		95	71-119		
Benzene	4.81		0.5	"	5.00		96	70-130		
1,2-Dichloroethane	4.98		0.5	"	5.00		100	70-130		
Trichloroethene	4.82		0.5	"	5.00		96	70-130		
1,2-Dichloropropane	4.9		0.5	"	5.00		98	70-130		
Dibromomethane	5.05		0.5	"	5.00		101	72-121		
Bromodichloromethane	4.88		0.5	"	5.00		98	70-130		
cis-1,3-Dichloropropene	4.94		0.5	"	5.00		99	68-120		
Toluene	4.96		0.5	"	5.00		99	70-130		
trans-1,3-Dichloropropene	4.99		0.5	"	5.00		100	64-126		
1,1,2-Trichloroethane	4.97		0.5	"	5.00		99	70-130		
Tetrachloroethene	4.95		0.5	"	5.00		99	70-130		
1,3-Dichloropropane	5.05		0.5	"	5.00		101	80-114		
Chlorodibromomethane	4.99		0.5	"	5.00		100	70-130		
1,2-Dibromoethane (EDB)	5.13		0.5	"	5.00		103	80-115		
Chlorobenzene	4.98		0.5	"	5.00		100	70-130		
1,1,1,2-Tetrachloroethane	5.01		0.5	"	5.00		100	82-116		
Ethylbenzene	5.03		0.5	"	5.00		101	70-130		
m&p-Xylene	9.92		1	"	10.0		99	70-130		

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H041 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H041-BS1)										
o-Xylene	5.04		0.5	"	5.00		101	70-130		
Styrene	4.94		0.5	"	5.00		99	70-130		
Bromoform	4.95		0.5	"	5.00		99	70-130		
Isopropylbenzene	4.98		0.5	"	5.00		100	86-114		
Bromobenzene	4.97		0.5	"	5.00		99	84-110		
1,1,2,2-Tetrachloroethane	5.19		0.5	"	5.00		104	81-113		
1,2,3-Trichloropropane	4.96		0.5	"	5.00		99	81-114		
Propylbenzene	4.95		0.5	"	5.00		99	87-115		
2-Chlorotoluene	4.99		0.5	"	5.00		100	84-111		
4-Chlorotoluene	4.96		0.5	"	5.00		99	82-112		
1,3,5-Trimethylbenzene	4.93		0.5	"	5.00		99	85-113		
tert-Butylbenzene	4.87		0.5	"	5.00		97	86-114		
1,2,4-Trimethylbenzene	4.97		0.5	"	5.00		99	84-114		
sec-Butylbenzene	4.88		0.5	"	5.00		98	87-119		
1,3-Dichlorobenzene	4.88		0.5	"	5.00		98	85-110		
p-Isopropyltoluene	4.86		0.5	"	5.00		97	86-117		
1,4-Dichlorobenzene	4.93		0.5	"	5.00		99	70-130		
1,2-Dichlorobenzene	4.95		0.5	"	5.00		99	70-130		
Butylbenzene	4.8		0.5	"	5.00		96	85-118		
1,2-Dibromo-3-chloropropane	19.4		2	"	20.0		97	54-133		
1,2,4-Trichlorobenzene	4.83		0.5	"	5.00		97	70-130		
Hexachlorobutadiene	4.84		0.5	"	5.00		97	66-113		
Naphthalene	4.33		0.5	"	5.00		87	58-126		
1,2,3-Trichlorobenzene	4.77		0.5	"	5.00		95	65-119		
Surrogate: 1,2-Dichloroethane-d4	*5.10*			*"*	*5.00*		102	*83-116*		
Surrogate: Toluene-d8	*5.00*			*"*	*5.00*		100	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.97*			*"*	*5.00*		99	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.04*			*"*	*5.00*		101	*74-113*		
Batch B21H042 - 3520C CLLE - SVOCs										**Prepared: 08/16/21 Analyzed: 08/20/21**
										Semivolatile Organic Compounds by EPA Method 8270D - Quality Control
Blank (B21H042-BLK1)										
1,4-Dioxane	ND	U	1	ug/L						
Phenol	ND	U	5	"						
Bis(2-chloroethyl)ether	ND	U	1	"						
2-Chlorophenol	ND	U	5	"						
1,3-Dichlorobenzene	ND	U	1	"						
1,4-Dichlorobenzene	ND	U	1	"						
Benzyl alcohol	ND	U	5	"						
1,2-Dichlorobenzene	ND	U	1	"						
2-Methylphenol	ND	U	5	"						

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**		**WorkOrder:**	2108016
Project Number:	R21S29	**75 Hawthorne Street**		**Reported:**	09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**			

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H042 - 3520C CLLE - SVOCs									**Prepared: 08/16/21 Analyzed: 08/20/21**	
									Semivolatile Organic Compounds by EPA Method 8270D - Quality Control	
Blank (B21H042-BLK1)										
Bis(2-chloro-1-methylethyl) ether	ND	U	1	"						
3&4-Methylphenol	ND	U	5	"						
N-Nitrosodipropylamine	ND	U	1	"						
Hexachloroethane	ND	U	1	"						
Nitrobenzene	ND	U	1	"						
Isophorone	ND	U	1	"						
2-Nitrophenol	ND	U	5	"						
2,4-Dimethylphenol	ND	U	5	"						
Bis(2-chloroethoxy)methane	ND	U	1	"						
2,4-Dichlorophenol	ND	U	5	"						
1,2,4-Trichlorobenzene	ND	U	1	"						
Naphthalene	ND	U	1	"						
4-Chloroaniline	ND	U	5	"						
Hexachlorobutadiene	ND	U	1	"						
4-Chloro-3-methylphenol	ND	U	5	"						
2-Methylnaphthalene	ND	U	1	"						
Hexachlorocyclopentadiene	ND	U	5	"						
2,4,6-Trichlorophenol	ND	U	5	"						
2,4,5-Trichlorophenol	ND	U	5	"						
2-Chloronaphthalene	ND	U	1	"						
2-Nitroaniline	ND	U	5	"						
Dimethyl phthalate	ND	U	1	"						
2,6-Dinitrotoluene	ND	U	1	"						
Acenaphthylene	ND	U	1	"						
3-Nitroaniline	ND	U	5	"						
Acenaphthene	ND	U	1	"						
2,4-Dinitrophenol	ND	U	20	"						
4-Nitrophenol	ND	U	5	"						
Dibenzofuran	ND	U	1	"						
2,4-Dinitrotoluene	ND	U	1	"						
Diethyl phthalate	ND	U	1	"						
Fluorene	ND	U	1	"						
4-Chlorophenyl phenyl ether	ND	U	1	"						
4-Nitroaniline	ND	U	5	"						
4,6-Dinitro-2-methylphenol	ND	U	5	"						
Diphenyl amine	ND	U	1	"						
4-Bromophenyl phenyl ether	ND	U	1	"						
Hexachlorobenzene	ND	U	1	"						
Pentachlorophenol	ND	U	20	"						
Phenanthrene	ND	U	1	"						
Anthracene	ND	U	1	"						
Carbazole	ND	U	1	"						

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H042 - 3520C CLLE - SVOCs									**Prepared: 08/16/21 Analyzed: 08/20/21**	
									Semivolatile Organic Compounds by EPA Method 8270D - Quality Control	
Blank (B21H042-BLK1)										
Di-n-butyl phthalate	ND	U	1	"						
Fluoranthene	ND	U	1	"						
Pyrene	ND	U	1	"						
Butyl benzyl phthalate	ND	U	1	"						
Benzo(a)anthracene	ND	U	1	"						
3,3'-Dichlorobenzidine	ND	U	5	"						
Chrysene	ND	U	1	"						
Bis(2-ethylhexyl) phthalate	ND	U	1	"						
Di-n-octyl phthalate	ND	U	1	"						
Benzo(b)fluoranthene	ND	U	1	"						
Benzo(k)fluoranthene	ND	U	1	"						
Benzo(a)pyrene	ND	U	1	"						
Indeno(1,2,3-cd)pyrene	ND	U	1	"						
Dibenz(a,h)anthracene	ND	U	1	"						
Benzo(g,h,i)perylene	ND	U	1	"						
Surrogate: 1,4-Dioxane-d8	*3.45*			*"*	*5.00*		69	*34-110*		
Surrogate: 2-Fluorophenol	*35.5*			*"*	*50.0*		71	*54-110*		
Surrogate: Phenol-d5	*34.1*			*"*	*50.0*		68	*29-127*		
Surrogate: 2-Chlorophenol-d4	*36.4*			*"*	*50.0*		73	*39-121*		
Surrogate: 1,2-Dichlorobenzene-d4	*35.3*			*"*	*50.0*		71	*31-110*		
Surrogate: Nitrobenzene-d5	*36.9*			*"*	*50.0*		74	*35-111*		
Surrogate: 2-Fluorobiphenyl	*35.0*			*"*	*50.0*		70	*32-115*		
Surrogate: 2,4,6-Tribromophenol	*39.5*			*"*	*50.0*		79	*37-150*		
Surrogate: Terphenyl-d14	*28.6*			*"*	*50.0*		57	*20-179*		
LCS (B21H042-BS1)										
1,4-Dioxane	10.7		1	ug/L	10.0		107	82-118		
Phenol	37.2		5	"	50.0		74	48-110		
Bis(2-chloroethyl)ether	8.31		1	"	10.0		83	50-114		
2-Chlorophenol	39		5	"	50.0		78	52-110		
1,3-Dichlorobenzene	7.49		1	"	10.0		75	32-110		
1,4-Dichlorobenzene	7.65		1	"	10.0		76	32-110		
Benzyl alcohol	41.9		5	"	50.0		84	52-110		
1,2-Dichlorobenzene	7.83		1	"	10.0		78	34-110		
2-Methylphenol	38.6		5	"	50.0		77	56-110		
Bis(2-chloro-1-methylethyl) ether	8.32		1	"	10.0		83	36-132		
3&4-Methylphenol	43.3		5	"	50.0		87	59-117		
N-Nitrosodipropylamine	8.38		1	"	10.0		84	54-110		
Hexachloroethane	6.1		1	"	10.0		61	27-110		
Nitrobenzene	8.46		1	"	10.0		85	55-114		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Batch B21H042 - 3520C CLLE - SVOCs — **Prepared: 08/16/21 Analyzed: 08/20/21**

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

LCS (B21H042-BS1)

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Isophorone	7.57		1	"	10.0		76	56-110		
2-Nitrophenol	39.1		5	"	50.0		78	55-111		
2,4-Dimethylphenol	41		5	"	50.0		82	36-125		
Bis(2-chloroethoxy)methane	8.22		1	"	10.0		82	47-114		
2,4-Dichlorophenol	43.1		5	"	50.0		86	56-116		
1,2,4-Trichlorobenzene	8.01		1	"	10.0		80	32-110		
Naphthalene	8.66		1	"	10.0		87	44-110		
4-Chloroaniline	39		5	"	50.0		78	20-142		
Hexachlorobutadiene	5.76		1	"	10.0		58	26-110		
4-Chloro-3-methylphenol	42.6		5	"	50.0		85	52-121		
2-Methylnaphthalene	8.7		1	"	10.0		87	43-110		
Hexachlorocyclopentadiene	29.6		5	"	50.0		59	20-110		
2,4,6-Trichlorophenol	39.3		5	"	50.0		79	57-117		
2,4,5-Trichlorophenol	41.4		5	"	50.0		83	51-127		
2-Chloronaphthalene	8.23		1	"	10.0		82	47-110		
2-Nitroaniline	42.4		5	"	50.0		85	57-121		
Dimethyl phthalate	8.84		1	"	10.0		88	64-122		
2,6-Dinitrotoluene	9.08		1	"	10.0		91	61-116		
Acenaphthylene	7.98		1	"	10.0		80	53-110		
3-Nitroaniline	42.1		5	"	50.0		84	20-164		
Acenaphthene	11.3		1	"	10.0		113	79-146		
2,4-Dinitrophenol	53.7		20	"	50.0		107	40-141		
4-Nitrophenol	49.2		5	"	50.0		98	62-140		
Dibenzofuran	8.84		1	"	10.0		88	57-112		
2,4-Dinitrotoluene	9.63		1	"	10.0		96	60-120		
Diethyl phthalate	8.93		1	"	10.0		89	61-127		
Fluorene	8.98		1	"	10.0		90	58-117		
4-Chlorophenyl phenyl ether	9.04		1	"	10.0		90	53-112		
4-Nitroaniline	42.5		5	"	50.0		85	30-120		
4,6-Dinitro-2-methylphenol	48.8		5	"	50.0		98	60-149		
Diphenyl amine	7.97		1	"	10.0		80	21-115		
4-Bromophenyl phenyl ether	8.57		1	"	10.0		86	56-110		
Hexachlorobenzene	8.22		1	"	10.0		82	55-110		
Pentachlorophenol	46.2		20	"	50.0		92	56-116		
Phenanthrene	8.6		1	"	10.0		86	53-123		
Anthracene	8.64		1	"	10.0		86	54-122		
Carbazole	8.72		1	"	10.0		87	23-126		
Di-n-butyl phthalate	9.39		1	"	10.0		94	66-126		
Fluoranthene	9.44		1	"	10.0		94	59-124		
Pyrene	8.75		1	"	10.0		88	54-133		
Butyl benzyl phthalate	8.57		1	"	10.0		86	56-135		
Benzo(a)anthracene	8.1		1	"	10.0		81	55-129		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H042 - 3520C CLLE - SVOCs									**Prepared: 08/16/21 Analyzed: 08/20/21**	
									Semivolatile Organic Compounds by EPA Method 8270D - Quality Control	
LCS (B21H042-BS1)										
3,3'-Dichlorobenzidine	36		5	"	50.0		72	20-128		
Chrysene	8.48		1	"	10.0		85	58-129		
Bis(2-ethylhexyl) phthalate	8.39		1	"	10.0		84	53-152		
Di-n-octyl phthalate	9.1		1	"	10.0		91	33-160		
Benzo(b)fluoranthene	9.11		1	"	10.0		91	36-151		
Benzo(k)fluoranthene	9.53		1	"	10.0		95	36-155		
Benzo(a)pyrene	9.1		1	"	10.0		91	36-132		
Indeno(1,2,3-cd)pyrene	8.9		1	"	10.0		89	35-151		
Dibenz(a,h)anthracene	9.29		1	"	10.0		93	29-165		
Benzo(g,h,i)perylene	9.04		1	"	10.0		90	42-147		
Surrogate: 1,4-Dioxane-d8	*3.36*			*"*	*5.00*		67	*34-110*		
Surrogate: 2-Fluorophenol	*37.2*			*"*	*50.0*		74	*54-110*		
Surrogate: Phenol-d5	*35.9*			*"*	*50.0*		72	*29-127*		
Surrogate: 2-Chlorophenol-d4	*38.6*			*"*	*50.0*		77	*39-121*		
Surrogate: 1,2-Dichlorobenzene-d4	*36.6*			*"*	*50.0*		73	*31-110*		
Surrogate: Nitrobenzene-d5	*39.0*			*"*	*50.0*		78	*35-111*		
Surrogate: 2-Fluorobiphenyl	*35.0*			*"*	*50.0*		70	*32-115*		
Surrogate: 2,4,6-Tribromophenol	*45.7*			*"*	*50.0*		91	*37-150*		
Surrogate: Terphenyl-d14	*27.5*			*"*	*50.0*		55	*20-179*		
Matrix Spike (B21H042-MS1)		**Source: 2108018-08**								
1,4-Dioxane	204		10	ug/L	9.58	126	**811**	82-118		
Phenol	35	J	50	"	47.9	ND	73	48-110		
Bis(2-chloroethyl)ether	7.18	J	10	"	9.58	ND	75	50-114		
2-Chlorophenol	34.9	J	50	"	47.9	ND	73	52-110		
1,3-Dichlorobenzene	5.27	J	10	"	9.58	ND	55	32-110		
1,4-Dichlorobenzene	5.17	J	10	"	9.58	ND	54	32-110		
Benzyl alcohol	36.5	J	50	"	47.9	ND	76	52-110		
1,2-Dichlorobenzene	6.03	J	10	"	9.58	ND	63	34-110		
2-Methylphenol	38	J	50	"	47.9	ND	79	56-110		
Bis(2-chloro-1-methylethyl) ether	6.89	J	10	"	9.58	ND	72	36-132		
3&4-Methylphenol	42.2	J	50	"	47.9	ND	88	59-117		
N-Nitrosodipropylamine	7.56	J	10	"	9.58	ND	79	54-110		
Hexachloroethane	ND	U	10	"	9.58	ND		27-110		
Nitrobenzene	8.14	J	10	"	9.58	ND	85	55-114		
Isophorone	7.09	J	10	"	9.58	ND	74	56-110		
2-Nitrophenol	36.1	J	50	"	47.9	ND	75	55-111		
2,4-Dimethylphenol	44.1	J	50	"	47.9	ND	92	36-125		
Bis(2-chloroethoxy)methane	7.66	J	10	"	9.58	ND	80	47-114		
2,4-Dichlorophenol	39.6	J	50	"	47.9	ND	83	56-116		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Batch B21H042 - 3520C CLLE - SVOCs — **Prepared: 08/16/21 Analyzed: 08/25/21**

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Matrix Spike (B21H042-MS1)		**Source: 2108018-08**								
1,2,4-Trichlorobenzene	6.42	J	10	"	9.58	ND	67	32-110		
Naphthalene	7.28	J	10	"	9.58	ND	76	44-110		
4-Chloroaniline	ND	U	50	"	47.9	ND		20-142		
Hexachlorobutadiene	5.17	J	10	"	9.58	ND	54	26-110		
4-Chloro-3-methylphenol	43.6	J	50	"	47.9	ND	91	52-121		
2-Methylnaphthalene	7.18	J	10	"	9.58	ND	75	43-110		
Hexachlorocyclopentadiene	ND	U	50	"	47.9	ND		20-110		
2,4,6-Trichlorophenol	39.3	J	50	"	47.9	ND	82	57-117		
2,4,5-Trichlorophenol	39.5	J	50	"	47.9	ND	82	51-127		
2-Chloronaphthalene	7.09	J	10	"	9.58	ND	74	47-110		
2-Nitroaniline	39.5	J	50	"	47.9	ND	82	57-121		
Dimethyl phthalate	8.33	J	10	"	9.58	ND	87	64-122		
2,6-Dinitrotoluene	8.52	J	10	"	9.58	ND	89	61-116		
Acenaphthylene	6.61	J	10	"	9.58	ND	69	53-110		
3-Nitroaniline	ND	U	50	"	47.9	ND		20-164		
Acenaphthene	8.43	J	10	"	9.58	ND	88	79-146		
2,4-Dinitrophenol	ND	U	200	"	47.9	ND		40-141		
4-Nitrophenol	40	J	50	"	47.9	ND	84	62-140		
Dibenzofuran	7.56	J	10	"	9.58	ND	79	57-112		
2,4-Dinitrotoluene	7.66	J	10	"	9.58	ND	80	60-120		
Diethyl phthalate	9.58	J	10	"	9.58	ND	100	61-127		
Fluorene	7.76	J	10	"	9.58	ND	81	58-117		
4-Chlorophenyl phenyl ether	7.18	J	10	"	9.58	ND	75	53-112		
4-Nitroaniline	ND	U	50	"	47.9	ND		30-120		
4,6-Dinitro-2-methylphenol	39.4	J	50	"	47.9	ND	82	60-149		
Diphenyl amine	6.7	J	10	"	9.58	ND	70	21-115		
4-Bromophenyl phenyl ether	6.89	J	10	"	9.58	ND	72	56-110		
Hexachlorobenzene	6.51	J	10	"	9.58	ND	68	55-110		
Pentachlorophenol	32.8	J	200	"	47.9	ND	69	56-116		
Phenanthrene	7.37	J	10	"	9.58	ND	77	53-123		
Anthracene	6.22	J	10	"	9.58	ND	65	54-122		
Carbazole	9.19	J	10	"	9.58	ND	96	23-126		
Di-n-butyl phthalate	6.99	J	10	"	9.58	ND	73	66-126		
Fluoranthene	6.32	J	10	"	9.58	ND	66	59-124		
Pyrene	7.85	J	10	"	9.58	ND	82	54-133		
Butyl benzyl phthalate	8.33	J	10	"	9.58	ND	87	56-135		
Benzo(a)anthracene	7.56	J	10	"	9.58	ND	79	55-159		
3,3'-Dichlorobenzidine	ND	U	50	"	47.9	ND		20-128		
Chrysene	7.09	J	10	"	9.58	ND	74	58-129		
Bis(2-ethylhexyl) phthalate	7.76	J	10	"	9.58	ND	81	53-152		
Di-n-octyl phthalate	8.04	J	10	"	9.58	ND	84	33-160		
Benzo(b)fluoranthene	7.28	J	10	"	9.58	ND	76	36-151		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H042 - 3520C CLLE - SVOCs									**Prepared: 08/16/21 Analyzed: 08/25/21**	
							Semivolatile Organic Compounds by EPA Method 8270D - Quality Control			
Matrix Spike (B21H042-MS1)		**Source: 2108018-08**								
Benzo(k)fluoranthene	7.28	J	10	"	9.58	ND	76	36-155		
Benzo(a)pyrene	7.56	J	10	"	9.58	ND	79	36-132		
Indeno(1,2,3-cd)pyrene	6.8	J	10	"	9.58	ND	71	35-151		
Dibenz(a,h)anthracene	6.99	J	10	"	9.58	ND	73	29-165		
Benzo(g,h,i)perylene	7.56	J	10	"	9.58	ND	79	42-147		
Surrogate: 1,4-Dioxane-d8	*3.10*			*"*	*5.00*		62	*34-110*		
Surrogate: 2-Fluorophenol	*36.8*			*"*	*50.0*		74	*54-110*		
Surrogate: Phenol-d5	*36.6*			*"*	*50.0*		73	*29-127*		
Surrogate: 2-Chlorophenol-d4	*36.8*			*"*	*50.0*		74	*39-121*		
Surrogate: 1,2-Dichlorobenzene-d4	*28.6*			*"*	*50.0*		57	*31-110*		
Surrogate: Nitrobenzene-d5	*39.1*			*"*	*50.0*		78	*35-111*		
Surrogate: 2-Fluorobiphenyl	*34.6*			*"*	*50.0*		69	*32-115*		
Surrogate: 2,4,6-Tribromophenol	*39.4*			*"*	*50.0*		79	*37-150*		
Surrogate: Terphenyl-d14	*17.0*			*"*	*50.0*		34	*20-179*		
Matrix Spike Dup (B21H042-MSD1)		**Source: 2108018-08**								
1,4-Dioxane	245		10	ug/L	9.56	126	**NR**	82-118	19	20
Phenol	33	J	50	"	47.8	ND	69	48-110	6	20
Bis(2-chloroethyl)ether	6.41	J	10	"	9.56	ND	67	50-114	11	20
2-Chlorophenol	32.3	J	50	"	47.8	ND	68	52-110	8	20
1,3-Dichlorobenzene	5.45	J	10	"	9.56	ND	57	32-110	3	20
1,4-Dichlorobenzene	5.64	J	10	"	9.56	ND	59	32-110	9	20
Benzyl alcohol	33.1	J	50	"	47.8	ND	69	52-110	10	20
1,2-Dichlorobenzene	5.93	J	10	"	9.56	ND	62	34-110	2	20
2-Methylphenol	33.8	J	50	"	47.8	ND	71	56-110	12	20
Bis(2-chloro-1-methylethyl) ether	6.41	J	10	"	9.56	ND	67	36-132	7	20
3&4-Methylphenol	37.6	J	50	"	47.8	ND	79	59-117	12	20
N-Nitrosodipropylamine	6.79	J	10	"	9.56	ND	71	54-110	11	20
Hexachloroethane	ND	U	10	"	9.56	ND		27-110		20
Nitrobenzene	7.08	J	10	"	9.56	ND	74	55-114	14	20
Isophorone	6.5	J	10	"	9.56	ND	68	56-110	9	20
2-Nitrophenol	32.1	J	50	"	47.8	ND	67	55-111	12	20
2,4-Dimethylphenol	35.7	J	50	"	47.8	ND	75	36-125	**21**	20
Bis(2-chloroethoxy)methane	6.79	J	10	"	9.56	ND	71	47-114	12	20
2,4-Dichlorophenol	36.6	J	50	"	47.8	ND	77	56-116	8	20
1,2,4-Trichlorobenzene	6.03	J	10	"	9.56	ND	63	32-110	6	20
Naphthalene	6.7	J	10	"	9.56	ND	70	44-110	8	20
4-Chloroaniline	ND	U	50	"	47.8	ND		20-142		20
Hexachlorobutadiene	ND	U	10	"	9.56	ND		26-110		20
4-Chloro-3-methylphenol	38.5	J	50	"	47.8	ND	81	52-121	12	20

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Batch B21H042 - 3520C CLLE - SVOCs — **Prepared: 08/16/21 Analyzed: 08/25/21**

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

Matrix Spike Dup (B21H042-MSD1) — **Source: 2108018-08**

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
2-Methylnaphthalene	6.89	J	10	"	9.56	ND	72	43-110	4	20
Hexachlorocyclopentadiene	ND	U	50	"	47.8	ND		20-110		20
2,4,6-Trichlorophenol	37	J	50	"	47.8	ND	77	57-117	6	20
2,4,5-Trichlorophenol	37.1	J	50	"	47.8	ND	78	51-127	6	20
2-Chloronaphthalene	6.6	J	10	"	9.56	ND	69	47-110	7	20
2-Nitroaniline	34.4	J	50	"	47.8	ND	72	57-121	14	20
Dimethyl phthalate	7.75	J	10	"	9.56	ND	81	64-122	7	20
2,6-Dinitrotoluene	7.65	J	10	"	9.56	ND	80	61-116	11	20
Acenaphthylene	5.83	J	10	"	9.56	ND	61	53-110	12	20
3-Nitroaniline	ND	U	50	"	47.8	ND		20-164		20
Acenaphthene	7.36	J	10	"	9.56	ND	**77**	79-146	13	20
2,4-Dinitrophenol	ND	U	200	"	47.8	ND		40-141		20
4-Nitrophenol	36.4	J	50	"	47.8	ND	76	62-140	9	20
Dibenzofuran	6.89	J	10	"	9.56	ND	72	57-112	9	20
2,4-Dinitrotoluene	8.03	J	10	"	9.56	ND	84	60-120	5	20
Diethyl phthalate	8.61	J	10	"	9.56	ND	90	61-127	11	20
Fluorene	6.98	J	10	"	9.56	ND	73	58-117	11	20
4-Chlorophenyl phenyl ether	6.5	J	10	"	9.56	ND	68	53-112	10	20
4-Nitroaniline	ND	U	50	"	47.8	ND		30-120		20
4,6-Dinitro-2-methylphenol	37.2	J	50	"	47.8	ND	78	60-149	6	20
Diphenyl amine	6.22	J	10	"	9.56	ND	65	21-115	8	20
4-Bromophenyl phenyl ether	6.41	J	10	"	9.56	ND	67	56-110	7	20
Hexachlorobenzene	5.93	J	10	"	9.56	ND	62	55-110	9	20
Pentachlorophenol	30	J	200	"	47.8	ND	63	56-116	9	20
Phenanthrene	7.17	J	10	"	9.56	ND	75	53-123	3	20
Anthracene	5.45	J	10	"	9.56	ND	57	54-122	13	20
Carbazole	9.37	J	10	"	9.56	ND	98	23-126	2	20
Di-n-butyl phthalate	6.31	J	10	"	9.56	ND	66	66-126	10	20
Fluoranthene	6.03	J	10	"	9.56	ND	63	59-124	5	20
Pyrene	7.56	J	10	"	9.56	ND	79	54-133	4	20
Butyl benzyl phthalate	7.65	J	10	"	9.56	ND	80	56-135	8	20
Benzo(a)anthracene	6.98	J	10	"	9.56	ND	73	55-159	8	20
3,3'-Dichlorobenzidine	ND	U	50	"	47.8	ND		20-128		20
Chrysene	6.7	J	10	"	9.56	ND	70	58-129	6	20
Bis(2-ethylhexyl) phthalate	7.27	J	10	"	9.56	ND	76	53-152	6	20
Di-n-octyl phthalate	7.65	J	10	"	9.56	ND	80	33-160	5	20
Benzo(b)fluoranthene	6.79	J	10	"	9.56	ND	71	36-151	7	20
Benzo(k)fluoranthene	7.08	J	10	"	9.56	ND	74	36-155	3	20
Benzo(a)pyrene	7.27	J	10	"	9.56	ND	76	36-132	4	20
Indeno(1,2,3-cd)pyrene	6.41	J	10	"	9.56	ND	67	35-151	6	20
Dibenz(a,h)anthracene	6.41	J	10	"	9.56	ND	67	29-165	9	20
Benzo(g,h,i)perylene	6.79	J	10	"	9.56	ND	71	42-147	11	20

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H042 - 3520C CLLE - SVOCs									**Prepared: 08/16/21 Analyzed: 08/25/21**	
									Semivolatile Organic Compounds by EPA Method 8270D - Quality Control	
Matrix Spike Dup (B21H042-MSD1)		**Source: 2108018-08**								
Surrogate: 1,4-Dioxane-d8	*2.70*			"	*5.00*		54	*34-110*		
Surrogate: 2-Fluorophenol	*34.5*			"	*50.0*		69	*54-110*		
Surrogate: Phenol-d5	*34.0*			"	*50.0*		68	*29-127*		
Surrogate: 2-Chlorophenol-d4	*34.3*			"	*50.0*		69	*39-121*		
Surrogate: 1,2-Dichlorobenzene-d4	*29.6*			"	*50.0*		59	*31-110*		
Surrogate: Nitrobenzene-d5	*35.1*			"	*50.0*		70	*35-111*		
Surrogate: 2-Fluorobiphenyl	*33.7*			"	*50.0*		67	*32-115*		
Surrogate: 2,4,6-Tribromophenol	*38.2*			"	*50.0*		76	*37-150*		
Surrogate: Terphenyl-d14	*15.4*			"	*50.0*		31	*20-179*		
Batch B21H043 - 5030 P&T VOA - VOCs									**Prepared & Analyzed: 08/16/21**	
									Volatile Organic Compounds by EPA Method 524.2 - Quality Control	
Blank (B21H043-BLK1)										
Dichlorodifluoromethane	ND	U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	C4, J, Q2, Q3, U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	U	4	"						
Dichloromethane	ND	U	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	J, Q2, U	0.5	"						
Dibromomethane	ND	J, Q2, U	0.5	"						
Bromodichloromethane	ND	C3, J, U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						

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Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H043 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H043-BLK1)										
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	C3, J, U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	C3, J, U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*5.48*			*"*	*5.00*		110	*83-116*		
Surrogate: Toluene-d8	*4.81*			*"*	*5.00*		96	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.47*			*"*	*5.00*		89	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.75*			*"*	*5.00*		95	*74-113*		

LCS (B21H043-BS1)

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H043 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H043-BS1)										
Dichlorodifluoromethane	4.77		0.5	ug/L	5.00		95	70-128		
Chloromethane	4.24		0.5	"	5.00		85	63-123		
Vinyl chloride	4.36		0.5	"	5.00		87	70-130		
Bromomethane	1.1		0.5	"	5.00		**22**	31-150		
Chloroethane	4.76		0.5	"	5.00		95	74-119		
Trichlorofluoromethane	4.59		0.5	"	5.00		92	72-123		
1,1-Dichloroethene	4.65		0.5	"	5.00		93	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	4.6		0.5	"	5.00		92	73-129		
Acetone	38.1		4	"	40.0		95	61-114		
Dichloromethane	5.03		0.5	"	5.00		101	70-130		
trans-1,2-Dichloroethene	4.57		0.5	"	5.00		91	70-130		
tert-Butyl methyl ether (MTBE)	18.3		2	"	20.0		91	62-117		
1,1-Dichloroethane	4.78		0.5	"	5.00		96	74-115		
2,2-Dichloropropane	4.98		0.5	"	5.00		100	64-144		
cis-1,2-Dichloroethene	4.73		0.5	"	5.00		95	70-130		
2-Butanone (MEK)	41.2		4	"	40.0		103	57-121		
Bromochloromethane	4.68		0.5	"	5.00		94	71-122		
Chloroform	4.86		0.5	"	5.00		97	70-130		
1,1,1-Trichloroethane	4.79		0.5	"	5.00		96	70-130		
Carbon tetrachloride	4.88		0.5	"	5.00		98	70-130		
1,1-Dichloropropene	4.87		0.5	"	5.00		97	71-119		
Benzene	4.87		0.5	"	5.00		97	70-130		
1,2-Dichloroethane	4.81		0.5	"	5.00		96	70-130		
Trichloroethene	4.79		0.5	"	5.00		96	70-130		
1,2-Dichloropropane	3.02		0.5	"	5.00		**60**	70-130		
Dibromomethane	3.18		0.5	"	5.00		**64**	72-121		
Bromodichloromethane	3.95		0.5	"	5.00		79	70-130		
cis-1,3-Dichloropropene	5.03		0.5	"	5.00		101	68-120		
Toluene	4.91		0.5	"	5.00		98	70-130		
trans-1,3-Dichloropropene	5.06		0.5	"	5.00		101	64-126		
1,1,2-Trichloroethane	4.96		0.5	"	5.00		99	70-130		
Tetrachloroethene	4.77		0.5	"	5.00		95	70-130		
1,3-Dichloropropane	4.94		0.5	"	5.00		99	80-114		
Chlorodibromomethane	4.92		0.5	"	5.00		98	70-130		
1,2-Dibromoethane (EDB)	4.85		0.5	"	5.00		97	80-115		
Chlorobenzene	4.69		0.5	"	5.00		94	70-130		
1,1,1,2-Tetrachloroethane	4.84		0.5	"	5.00		97	82-116		
Ethylbenzene	4.97		0.5	"	5.00		99	70-130		
m&p-Xylene	9.85		1	"	10.0		98	70-130		
o-Xylene	4.93		0.5	"	5.00		99	70-130		
Styrene	4.95		0.5	"	5.00		99	70-130		
Bromoform	4.71		0.5	"	5.00		94	70-130		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H043 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H043-BS1)										
Isopropylbenzene	4.99		0.5	"	5.00		100	86-114		
Bromobenzene	4.63		0.5	"	5.00		93	84-110		
1,1,2,2-Tetrachloroethane	4.86		0.5	"	5.00		97	81-113		
1,2,3-Trichloropropane	4.93		0.5	"	5.00		99	81-114		
Propylbenzene	5.02		0.5	"	5.00		100	87-115		
2-Chlorotoluene	4.89		0.5	"	5.00		98	84-111		
4-Chlorotoluene	4.94		0.5	"	5.00		99	82-112		
1,3,5-Trimethylbenzene	4.93		0.5	"	5.00		99	85-113		
tert-Butylbenzene	4.95		0.5	"	5.00		99	86-114		
1,2,4-Trimethylbenzene	4.91		0.5	"	5.00		98	84-114		
sec-Butylbenzene	4.97		0.5	"	5.00		99	87-119		
1,3-Dichlorobenzene	4.74		0.5	"	5.00		95	85-110		
p-Isopropyltoluene	4.87		0.5	"	5.00		97	86-117		
1,4-Dichlorobenzene	4.64		0.5	"	5.00		93	70-130		
1,2-Dichlorobenzene	4.62		0.5	"	5.00		92	70-130		
Butylbenzene	5		0.5	"	5.00		100	85-118		
1,2-Dibromo-3-chloropropane	20		2	"	20.0		100	54-133		
1,2,4-Trichlorobenzene	4.59		0.5	"	5.00		92	70-130		
Hexachlorobutadiene	4.06		0.5	"	5.00		81	66-113		
Naphthalene	4.9		0.5	"	5.00		98	58-126		
1,2,3-Trichlorobenzene	4.48		0.5	"	5.00		90	65-119		
Surrogate: 1,2-Dichloroethane-d4	*5.29*			*"*	*5.00*		106	*83-116*		
Surrogate: Toluene-d8	*5.23*			*"*	*5.00*		105	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.93*			*"*	*5.00*		99	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.08*			*"*	*5.00*		102	*74-113*		
Batch B21H045 - 200 Series Digest - Metals by 200.7, Dissolved										**Prepared: 08/16/21 Analyzed: 08/31/21**
										Dissolved Metals by EPA 200 Series Methods - Quality Control
Blank (B21H045-BLK1)										
Arsenic	ND	U	20	ug/L						
Cobalt	ND	U	5	"						
Iron	ND	U	100	"						
Manganese	ND	U	5	"						
Nickel	ND	U	10	"						
Selenium	ND	U	20	"						
LCS (B21H045-BS1)										
Arsenic	680		20	ug/L	800		85	85-115		
Iron	2,580		100	"	3000		86	85-115		
Manganese	175		5	"	200		87	85-115		
LCS (B21H045-BS2)										
Selenium	1,700		20	ug/L	2000		85	85-115		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H045 - 200 Series Digest - Metals by 200.7, Dissolved									**Prepared: 08/16/21 Analyzed: 08/31/21**	
									Dissolved Metals by EPA 200 Series Methods - Quality Control	
Duplicate (B21H045-DUP1)		**Source: 2108016-20**								
Iron	ND	U	100	ug/L		ND				20
Matrix Spike (B21H045-MS1)		**Source: 2108016-20**								
Iron	2,550		100	ug/L	3000	ND	85	70-130		
Matrix Spike Dup (B21H045-MSD1)		**Source: 2108016-20**								
Iron	2,470		100	ug/L	3000	ND	82	70-130	3	20
Batch B21H046 - 200 Series Digest - Metals, ICP/MS, Dissolved									**Prepared: 08/16/21 Analyzed: 08/18/21**	
									Dissolved Metals by EPA 200 Series Methods - Quality Control	
Blank (B21H046-BLK1)										
Arsenic	0.44	J	0.5	ug/L						
Cobalt	ND	U	0.25	"						
Manganese	ND	U	2	"						
Nickel	ND	U	1	"						
Selenium	ND	U	1	"						
Blank (B21H046-BLK2)										
Arsenic	0.38	J	0.5	ug/L						
Cobalt	ND	U	0.25	"						
Manganese	ND	U	2	"						
Nickel	ND	U	1	"						
Selenium	ND	U	1	"						
LCS (B21H046-BS1)										
Arsenic	40.7		0.5	ug/L	40.0		102	85-115		
Cobalt	40.5		0.25	"	40.0		101	85-115		
Manganese	40.3		2	"	40.0		101	85-115		
Nickel	41		1	"	40.0		102	85-115		
LCS (B21H046-BS2)										
Selenium	40.9		1	ug/L	40.0		102	85-115		
Matrix Spike (B21H046-MS1)		**Source: 2108016-20**								
Arsenic	45.9		0.5	ug/L	40.0	6.86	98	70-130		
Cobalt	37.6		0.25	"	40.0	0.168	94	70-130		
Manganese	40.4		2	"	40.0	ND	101	70-130		
Nickel	36.6		1	"	40.0	1.26	88	70-130		
Matrix Spike (B21H046-MS2)		**Source: 2108016-20RE1**								
Selenium	36		1	ug/L	40.0	3.33	82	70-130		
Matrix Spike Dup (B21H046-MSD1)		**Source: 2108016-20**								
Arsenic	47.1		0.5	ug/L	40.0	6.86	101	70-130	3	20
Cobalt	36.8		0.25	"	40.0	0.168	92	70-130	2	20
Manganese	37.9		2	"	40.0	ND	95	70-130	7	20
Nickel	35.7		1	"	40.0	1.26	86	70-130	2	20
Matrix Spike Dup (B21H046-MSD2)		**Source: 2108016-20RE1**								
Selenium	35.2		1	ug/L	40.0	3.33	80	70-130	2	20

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Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H048 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H048-BLK1)										
Dichlorodifluoromethane	ND	U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	C4, J, Q2, Q3, U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	U	4	"						
Dichloromethane	0.3	C1, J	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	C4, J, Q2, U	0.5	"						
1,2-Dichloropropane	ND	Q3, C4, J, Q2, U	0.5	"						
Dibromomethane	ND	C4, J, Q2, U	0.5	"						
Bromodichloromethane	ND	C3, J, U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	C3, J, U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	C3, J, U	0.5	"						

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Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H048 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H048-BLK1)										
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*4.96*			*"*	*5.00*		99	*83-116*		
Surrogate: Toluene-d8	*4.74*			*"*	*5.00*		95	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.43*			*"*	*5.00*		89	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.56*			*"*	*5.00*		91	*74-113*		
LCS (B21H048-BS1)										
Dichlorodifluoromethane	5.69		0.5	ug/L	5.00		114	70-128		
Chloromethane	3.97		0.5	"	5.00		79	63-123		
Vinyl chloride	4.81		0.5	"	5.00		96	70-130		
Bromomethane	0.34	J	0.5	"	5.00		**7**	31-150		
Chloroethane	5.52		0.5	"	5.00		110	74-119		
Trichlorofluoromethane	5.61		0.5	"	5.00		112	72-123		
1,1-Dichloroethene	5.85		0.5	"	5.00		117	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.89		0.5	"	5.00		118	73-129		
Acetone	41.3		4	"	40.0		103	61-114		
Dichloromethane	5.97		0.5	"	5.00		119	70-130		
trans-1,2-Dichloroethene	6.16		0.5	"	5.00		123	70-130		
tert-Butyl methyl ether (MTBE)	23		2	"	20.0		115	62-117		
1,1-Dichloroethane	6.15		0.5	"	5.00		**123**	74-115		
2,2-Dichloropropane	4.89		0.5	"	5.00		98	64-144		

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Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H048 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H048-BS1)										
cis-1,2-Dichloroethene	5.09		0.5	"	5.00		102	70-130		
2-Butanone (MEK)	40.5		4	"	40.0		101	57-121		
Bromochloromethane	4.74		0.5	"	5.00		95	71-122		
Chloroform	5.05		0.5	"	5.00		101	70-130		
1,1,1-Trichloroethane	4.93		0.5	"	5.00		99	70-130		
Carbon tetrachloride	5.08		0.5	"	5.00		102	70-130		
1,1-Dichloropropene	5.07		0.5	"	5.00		101	71-119		
Benzene	5.05		0.5	"	5.00		101	70-130		
1,2-Dichloroethane	4.83		0.5	"	5.00		97	70-130		
Trichloroethene	3.37		0.5	"	5.00		**67**	70-130		
1,2-Dichloropropane	2.89		0.5	"	5.00		**58**	70-130		
Dibromomethane	3.28		0.5	"	5.00		**66**	72-121		
Bromodichloromethane	3.85		0.5	"	5.00		77	70-130		
cis-1,3-Dichloropropene	4.92		0.5	"	5.00		98	68-120		
Toluene	5.23		0.5	"	5.00		105	70-130		
trans-1,3-Dichloropropene	5.31		0.5	"	5.00		106	64-126		
1,1,2-Trichloroethane	5.18		0.5	"	5.00		104	70-130		
Tetrachloroethene	5.24		0.5	"	5.00		105	70-130		
1,3-Dichloropropane	5.17		0.5	"	5.00		103	80-114		
Chlorodibromomethane	5.19		0.5	"	5.00		104	70-130		
1,2-Dibromoethane (EDB)	5.27		0.5	"	5.00		105	80-115		
Chlorobenzene	5.07		0.5	"	5.00		101	70-130		
1,1,1,2-Tetrachloroethane	5.21		0.5	"	5.00		104	82-116		
Ethylbenzene	5.33		0.5	"	5.00		107	70-130		
m&p-Xylene	10.3		1	"	10.0		103	70-130		
o-Xylene	5.21		0.5	"	5.00		104	70-130		
Styrene	5.27		0.5	"	5.00		105	70-130		
Bromoform	5.17		0.5	"	5.00		103	70-130		
Isopropylbenzene	5.25		0.5	"	5.00		105	86-114		
Bromobenzene	4.98		0.5	"	5.00		100	84-110		
1,1,2,2-Tetrachloroethane	5.15		0.5	"	5.00		103	81-113		
1,2,3-Trichloropropane	5.14		0.5	"	5.00		103	81-114		
Propylbenzene	5.27		0.5	"	5.00		105	87-115		
2-Chlorotoluene	5.15		0.5	"	5.00		103	84-111		
4-Chlorotoluene	5.21		0.5	"	5.00		104	82-112		
1,3,5-Trimethylbenzene	5.16		0.5	"	5.00		103	85-113		
tert-Butylbenzene	5.16		0.5	"	5.00		103	86-114		
1,2,4-Trimethylbenzene	5.19		0.5	"	5.00		104	84-114		
sec-Butylbenzene	5.21		0.5	"	5.00		104	87-119		
1,3-Dichlorobenzene	5.04		0.5	"	5.00		101	85-110		
p-Isopropyltoluene	5.1		0.5	"	5.00		102	86-117		
1,4-Dichlorobenzene	5.07		0.5	"	5.00		101	70-130		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H048 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H048-BS1)										
1,2-Dichlorobenzene	4.97		0.5	"	5.00		99	70-130		
Butylbenzene	5.24		0.5	"	5.00		105	85-118		
1,2-Dibromo-3-chloropropane	21		2	"	20.0		105	54-133		
1,2,4-Trichlorobenzene	4.89		0.5	"	5.00		98	70-130		
Hexachlorobutadiene	4.4		0.5	"	5.00		88	66-113		
Naphthalene	5.15		0.5	"	5.00		103	58-126		
1,2,3-Trichlorobenzene	4.79		0.5	"	5.00		96	65-119		
Surrogate: 1,2-Dichloroethane-d4		*4.85*		*"*	*5.00*		97	*83-116*		
Surrogate: Toluene-d8		*5.04*		*"*	*5.00*		101	*81-112*		
Surrogate: 4-Bromofluorobenzene		*4.90*		*"*	*5.00*		98	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4		*5.01*		*"*	*5.00*		100	*74-113*		
Matrix Spike (B21H048-MS1)		**Source: 2108019-05RE1**								
Dichlorodifluoromethane	84.4		10	ug/L	100	ND	84	62-142		
Chloromethane	67		10	"	100	ND	67	54-144		
Vinyl chloride	88.8		10	"	100	ND	89	62-141		
Bromomethane	16		10	"	100	ND	**16**	32-150		
Chloroethane	90.2		10	"	100	ND	90	68-136		
Trichlorofluoromethane	85.6		10	"	100	ND	86	66-142		
1,1-Dichloroethene	93.8		10	"	100	ND	94	73-134		
1,1,2-Trichloro-1,2,2-trifluoroethane	88.6		10	"	100	ND	89	65-148		
Acetone	732		80	"	800	ND	91	20-150		
Dichloromethane	105		10	"	100	ND	105	65-126		
trans-1,2-Dichloroethene	95.2		10	"	100	ND	95	70-134		
tert-Butyl methyl ether (MTBE)	382		40	"	400	ND	96	56-128		
1,1-Dichloroethane	92.8		10	"	100	ND	93	67-134		
2,2-Dichloropropane	78.8		10	"	100	ND	79	41-150		
cis-1,2-Dichloroethene	112		10	"	100	17.4	94	63-137		
2-Butanone (MEK)	699		80	"	800	ND	87	48-142		
Bromochloromethane	84.8		10	"	100	ND	85	70-132		
Chloroform	86.6		10	"	100	ND	87	65-141		
1,1,1-Trichloroethane	81		10	"	100	ND	81	69-116		
Carbon tetrachloride	81.4		10	"	100	ND	81	65-130		
1,1-Dichloropropene	83		10	"	100	ND	83	71-116		
Benzene	87.8		10	"	100	ND	88	77-115		
1,2-Dichloroethane	85.4		10	"	100	ND	85	71-112		
Trichloroethene	87.6		10	"	100	ND	88	65-124		
1,2-Dichloropropane	85		10	"	100	ND	85	73-118		
Dibromomethane	85.4		10	"	100	ND	85	65-123		
Bromodichloromethane	98		10	"	100	ND	98	72-118		
cis-1,3-Dichloropropene	86.8		10	"	100	ND	87	69-113		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H048 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Matrix Spike (B21H048-MS1)		**Source: 2108019-05RE1**								
Toluene	97		10	"	100	6.4	91	84-115		
trans-1,3-Dichloropropene	88.6		10	"	100	ND	89	67-117		
1,1,2-Trichloroethane	86.8		10	"	100	ND	87	81-115		
Tetrachloroethene	82.8		10	"	100	ND	83	81-115		
1,3-Dichloropropane	87.8		10	"	100	ND	88	82-113		
Chlorodibromomethane	82.2		10	"	100	ND	82	82-116		
1,2-Dibromoethane (EDB)	89.4		10	"	100	ND	89	83-115		
Chlorobenzene	87.6		10	"	100	ND	88	82-110		
1,1,1,2-Tetrachloroethane	85.2		10	"	100	ND	85	77-116		
Ethylbenzene	90		10	"	100	ND	90	85-112		
m&p-Xylene	170		20	"	200	ND	85	84-113		
o-Xylene	89.2		10	"	100	ND	89	82-110		
Styrene	86.8		10	"	100	ND	87	25-150		
Bromoform	82		10	"	100	ND	82	69-121		
Isopropylbenzene	86.4		10	"	100	ND	86	80-117		
Bromobenzene	84		10	"	100	ND	84	84-110		
1,1,2,2-Tetrachloroethane	89.2		10	"	100	ND	89	77-117		
1,2,3-Trichloropropane	87.2		10	"	100	ND	87	78-115		
Propylbenzene	88.6		10	"	100	ND	89	83-116		
2-Chlorotoluene	81.8		10	"	100	ND	**82**	83-110		
4-Chlorotoluene	86.2		10	"	100	ND	86	82-110		
1,3,5-Trimethylbenzene	91.4		10	"	100	9.8	82	82-112		
tert-Butylbenzene	82.2		10	"	100	ND	82	81-115		
1,2,4-Trimethylbenzene	118		10	"	100	27.6	91	81-113		
sec-Butylbenzene	82.2		10	"	100	ND	82	79-122		
1,3-Dichlorobenzene	83.2		10	"	100	ND	83	82-110		
p-Isopropyltoluene	86.8		10	"	100	6	81	78-120		
1,4-Dichlorobenzene	90.2		10	"	100	7.2	83	81-110		
1,2-Dichlorobenzene	109		10	"	100	27.4	**81**	82-110		
Butylbenzene	83.6		10	"	100	ND	84	72-122		
1,2-Dibromo-3-chloropropane	363		40	"	400	ND	91	47-131		
1,2,4-Trichlorobenzene	89		10	"	100	ND	89	62-115		
Hexachlorobutadiene	67.4		10	"	100	ND	67	51-116		
Naphthalene	180		10	"	100	78.2	101	47-137		
1,2,3-Trichlorobenzene	85.8		10	"	100	ND	86	62-117		
Surrogate: 1,2-Dichloroethane-d4	*4.82*			*"*	*5.00*		96	*83-116*		
Surrogate: Toluene-d8	*4.92*			*"*	*5.00*		98	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.93*			*"*	*5.00*		99	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.00*			*"*	*5.00*		100	*74-113*		
Matrix Spike Dup (B21H048-MSD1)		**Source: 2108019-05RE1**								

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Batch B21H048 - 5030 P&T VOA - VOCs — **Prepared & Analyzed: 08/17/21**

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Matrix Spike Dup (B21H048-MSD1) — **Source: 2108019-05RE1**

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Dichlorodifluoromethane	87		10	ug/L	100	ND	87	62-142	3	21
Chloromethane	73.2		10	"	100	ND	73	54-144	9	20
Vinyl chloride	94.4		10	"	100	ND	94	62-141	6	19
Bromomethane	20		10	"	100	ND	**20**	32-150	**22**	20
Chloroethane	94		10	"	100	ND	94	68-136	4	17
Trichlorofluoromethane	89.6		10	"	100	ND	90	66-142	5	19
1,1-Dichloroethene	99.2		10	"	100	ND	99	73-134	6	18
1,1,2-Trichloro-1,2,2-trifluoroethane	93.8		10	"	100	ND	94	65-148	6	19
Acetone	770		80	"	800	ND	96	20-150	5	31
Dichloromethane	112		10	"	100	ND	112	65-126	6	16
trans-1,2-Dichloroethene	100		10	"	100	ND	100	70-134	5	19
tert-Butyl methyl ether (MTBE)	400		40	"	400	ND	100	56-128	5	22
1,1-Dichloroethane	97.8		10	"	100	ND	98	67-134	5	19
2,2-Dichloropropane	72.2		10	"	100	ND	72	41-150	9	40
cis-1,2-Dichloroethene	97.2		10	"	100	17.4	80	63-137	14	46
2-Butanone (MEK)	633		80	"	800	ND	79	48-142	10	34
Bromochloromethane	80.2		10	"	100	ND	80	70-132	6	21
Chloroform	81.2		10	"	100	ND	81	65-141	6	23
1,1,1-Trichloroethane	76		10	"	100	ND	76	69-116	6	14
Carbon tetrachloride	76		10	"	100	ND	76	65-130	7	14
1,1-Dichloropropene	76.4		10	"	100	ND	76	71-116	8	15
Benzene	82		10	"	100	ND	82	77-115	7	13
1,2-Dichloroethane	80.2		10	"	100	ND	80	71-112	6	14
Trichloroethene	81.8		10	"	100	ND	82	65-124	7	15
1,2-Dichloropropane	78.8		10	"	100	ND	79	73-118	8	14
Dibromomethane	79		10	"	100	ND	79	65-123	8	16
Bromodichloromethane	61		10	"	100	ND	**61**	72-118	**47**	16
cis-1,3-Dichloropropene	82.4		10	"	100	ND	82	69-113	5	19
Toluene	95.8		10	"	100	6.4	89	84-115	1	15
trans-1,3-Dichloropropene	91		10	"	100	ND	91	67-117	3	19
1,1,2-Trichloroethane	89.8		10	"	100	ND	90	81-115	3	20
Tetrachloroethene	85.2		10	"	100	ND	85	81-115	3	14
1,3-Dichloropropane	89.4		10	"	100	ND	89	82-113	2	18
Chlorodibromomethane	84.8		10	"	100	ND	85	82-116	3	18
1,2-Dibromoethane (EDB)	91.6		10	"	100	ND	92	83-115	2	20
Chlorobenzene	88		10	"	100	ND	88	82-110	0.5	13
1,1,1,2-Tetrachloroethane	89		10	"	100	ND	89	77-116	4	17
Ethylbenzene	89.6		10	"	100	ND	90	85-112	0.4	13
m&p-Xylene	176		20	"	200	ND	88	84-113	4	13
o-Xylene	92		10	"	100	ND	92	82-110	3	13
Styrene	89		10	"	100	ND	89	25-150	3	29
Bromoform	83.2		10	"	100	ND	83	69-121	1	17

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H048 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Matrix Spike Dup (B21H048-MSD1)		**Source: 2108019-05RE1**								
Isopropylbenzene	88.4		10	"	100	ND	88	80-117	2	14
Bromobenzene	86.6		10	"	100	ND	87	84-110	3	14
1,1,2,2-Tetrachloroethane	89.4		10	"	100	ND	89	77-117	0.2	15
1,2,3-Trichloropropane	89.4		10	"	100	ND	89	78-115	2	13
Propylbenzene	89.2		10	"	100	ND	89	83-116	0.7	12
2-Chlorotoluene	84.4		10	"	100	ND	84	83-110	3	12
4-Chlorotoluene	88.8		10	"	100	ND	89	82-110	3	12
1,3,5-Trimethylbenzene	93.8		10	"	100	9.8	84	82-112	3	13
tert-Butylbenzene	85.2		10	"	100	ND	85	81-115	4	16
1,2,4-Trimethylbenzene	113		10	"	100	27.6	85	81-113	5	13
sec-Butylbenzene	84.2		10	"	100	ND	84	79-122	2	14
1,3-Dichlorobenzene	86		10	"	100	ND	86	82-110	3	12
p-Isopropyltoluene	89		10	"	100	6	83	78-120	3	13
1,4-Dichlorobenzene	92.2		10	"	100	7.2	85	81-110	2	11
1,2-Dichlorobenzene	111		10	"	100	27.4	84	82-110	2	12
Butylbenzene	86.4		10	"	100	ND	86	72-122	3	10
1,2-Dibromo-3-chloropropane	360		40	"	400	ND	90	47-131	0.7	15
1,2,4-Trichlorobenzene	91.8		10	"	100	ND	92	62-115	3	13
Hexachlorobutadiene	76.6		10	"	100	ND	77	51-116	13	14
Naphthalene	180		10	"	100	78.2	102	47-137	0.1	16
1,2,3-Trichlorobenzene	89.4		10	"	100	ND	89	62-117	4	17
Surrogate: 1,2-Dichloroethane-d4	*4.41*			*"*	*5.00*		88	*83-116*		
Surrogate: Toluene-d8	*4.91*			*"*	*5.00*		98	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.92*			*"*	*5.00*		98	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.94*			*"*	*5.00*		99	*74-113*		
Batch B21H049 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H049-BLK2)										
Dichlorodifluoromethane	ND	U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	C4, J, U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	U	4	"						
Dichloromethane	ND	U	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H049 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H049-BLK2)										
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H049 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H049-BLK2)										
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*4.78*			*"*	*5.00*		96	*83-116*		
Surrogate: Toluene-d8	*5.02*			*"*	*5.00*		100	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.81*			*"*	*5.00*		96	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.01*			*"*	*5.00*		100	*74-113*		
LCS (B21H049-BS1)										
Dichlorodifluoromethane	5.31		0.5	ug/L	5.00		106	70-128		
Chloromethane	4.4		0.5	"	5.00		88	63-123		
Vinyl chloride	4.77		0.5	"	5.00		95	70-130		
Bromomethane	2.96		0.5	"	5.00		59	31-150		
Chloroethane	5.07		0.5	"	5.00		101	74-119		
Trichlorofluoromethane	5.25		0.5	"	5.00		105	72-123		
1,1-Dichloroethene	5.19		0.5	"	5.00		104	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.09		0.5	"	5.00		102	73-129		
Acetone	38.4		4	"	40.0		96	61-114		
Dichloromethane	5.37		0.5	"	5.00		107	70-130		
trans-1,2-Dichloroethene	5.17		0.5	"	5.00		103	70-130		
tert-Butyl methyl ether (MTBE)	20.3		2	"	20.0		101	62-117		
1,1-Dichloroethane	5.08		0.5	"	5.00		102	74-115		
2,2-Dichloropropane	5.24		0.5	"	5.00		105	64-144		
cis-1,2-Dichloroethene	4.98		0.5	"	5.00		100	70-130		
2-Butanone (MEK)	37.9		4	"	40.0		95	57-121		
Bromochloromethane	5.06		0.5	"	5.00		101	71-122		
Chloroform	5.06		0.5	"	5.00		101	70-130		
1,1,1-Trichloroethane	5.15		0.5	"	5.00		103	70-130		
Carbon tetrachloride	5.17		0.5	"	5.00		103	70-130		
1,1-Dichloropropene	4.89		0.5	"	5.00		98	71-119		
Benzene	4.96		0.5	"	5.00		99	70-130		
1,2-Dichloroethane	5.1		0.5	"	5.00		102	70-130		
Trichloroethene	4.93		0.5	"	5.00		99	70-130		
1,2-Dichloropropane	4.93		0.5	"	5.00		99	70-130		
Dibromomethane	5.09		0.5	"	5.00		102	72-121		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H049 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H049-BS1)										
Bromodichloromethane	5.05		0.5	"	5.00		101	70-130		
cis-1,3-Dichloropropene	5.13		0.5	"	5.00		103	68-120		
Toluene	4.88		0.5	"	5.00		98	70-130		
trans-1,3-Dichloropropene	4.99		0.5	"	5.00		100	64-126		
1,1,2-Trichloroethane	4.87		0.5	"	5.00		97	70-130		
Tetrachloroethene	5.03		0.5	"	5.00		101	70-130		
1,3-Dichloropropane	5		0.5	"	5.00		100	80-114		
Chlorodibromomethane	5		0.5	"	5.00		100	70-130		
1,2-Dibromoethane (EDB)	5.11		0.5	"	5.00		102	80-115		
Chlorobenzene	5.01		0.5	"	5.00		100	70-130		
1,1,1,2-Tetrachloroethane	5.03		0.5	"	5.00		101	82-116		
Ethylbenzene	5.11		0.5	"	5.00		102	70-130		
m&p-Xylene	10.1		1	"	10.0		101	70-130		
o-Xylene	5.16		0.5	"	5.00		103	70-130		
Styrene	4.99		0.5	"	5.00		100	70-130		
Bromoform	5		0.5	"	5.00		100	70-130		
Isopropylbenzene	5.15		0.5	"	5.00		103	86-114		
Bromobenzene	5.02		0.5	"	5.00		100	84-110		
1,1,2,2-Tetrachloroethane	5.5		0.5	"	5.00		110	81-113		
1,2,3-Trichloropropane	5.1		0.5	"	5.00		102	81-114		
Propylbenzene	5.12		0.5	"	5.00		102	87-115		
2-Chlorotoluene	5.13		0.5	"	5.00		103	84-111		
4-Chlorotoluene	5.13		0.5	"	5.00		103	82-112		
1,3,5-Trimethylbenzene	5.12		0.5	"	5.00		102	85-113		
tert-Butylbenzene	5.01		0.5	"	5.00		100	86-114		
1,2,4-Trimethylbenzene	5.12		0.5	"	5.00		102	84-114		
sec-Butylbenzene	5.06		0.5	"	5.00		101	87-119		
1,3-Dichlorobenzene	5.02		0.5	"	5.00		100	85-110		
p-Isopropyltoluene	5.07		0.5	"	5.00		101	86-117		
1,4-Dichlorobenzene	5.15		0.5	"	5.00		103	70-130		
1,2-Dichlorobenzene	5.09		0.5	"	5.00		102	70-130		
Butylbenzene	5.02		0.5	"	5.00		100	85-118		
1,2-Dibromo-3-chloropropane	21.9		2	"	20.0		110	54-133		
1,2,4-Trichlorobenzene	4.94		0.5	"	5.00		99	70-130		
Hexachlorobutadiene	4.92		0.5	"	5.00		98	66-113		
Naphthalene	4.78		0.5	"	5.00		96	58-126		
1,2,3-Trichlorobenzene	4.92		0.5	"	5.00		98	65-119		
Surrogate: 1,2-Dichloroethane-d4	*5.02*			*"*	*5.00*		100	*83-116*		
Surrogate: Toluene-d8	*4.93*			*"*	*5.00*		99	*81-112*		
Surrogate: 4-Bromofluorobenzene	*5.12*			*"*	*5.00*		102	*80-110*		

United States Environmental Protection Agency
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H049 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H049-BS1)										
Surrogate: 1,2-Dichlorobenzene-d4	*5.15*			*"*	*5.00*		103	*74-113*		
Batch B21H051 - 3520C CLLE - SVOCs										**Prepared: 08/17/21 Analyzed: 08/20/21**
										Semivolatile Organic Compounds by EPA Method 8270D - Quality Control
Blank (B21H051-BLK1)										
1,4-Dioxane	ND	U	1	ug/L						
Phenol	ND	U	5	"						
Bis(2-chloroethyl)ether	ND	U	1	"						
2-Chlorophenol	ND	U	5	"						
1,3-Dichlorobenzene	ND	U	1	"						
1,4-Dichlorobenzene	ND	U	1	"						
Benzyl alcohol	ND	U	5	"						
1,2-Dichlorobenzene	ND	U	1	"						
2-Methylphenol	ND	U	5	"						
Bis(2-chloro-1-methylethyl) ether	ND	U	1	"						
3&4-Methylphenol	ND	U	5	"						
N-Nitrosodipropylamine	ND	U	1	"						
Hexachloroethane	ND	U	1	"						
Nitrobenzene	ND	U	1	"						
Isophorone	ND	U	1	"						
2-Nitrophenol	ND	U	5	"						
2,4-Dimethylphenol	ND	U	5	"						
Bis(2-chloroethoxy)methane	ND	U	1	"						
2,4-Dichlorophenol	ND	U	5	"						
1,2,4-Trichlorobenzene	ND	U	1	"						
Naphthalene	ND	U	1	"						
4-Chloroaniline	ND	U	5	"						
Hexachlorobutadiene	ND	U	1	"						
4-Chloro-3-methylphenol	ND	U	5	"						
2-Methylnaphthalene	ND	U	1	"						
Hexachlorocyclopentadiene	ND	U	5	"						
2,4,6-Trichlorophenol	ND	U	5	"						
2,4,5-Trichlorophenol	ND	U	5	"						
2-Chloronaphthalene	ND	U	1	"						
2-Nitroaniline	ND	U	5	"						
Dimethyl phthalate	ND	U	1	"						
2,6-Dinitrotoluene	ND	U	1	"						
Acenaphthylene	ND	U	1	"						
3-Nitroaniline	ND	U	5	"						
Acenaphthene	ND	U	1	"						
2,4-Dinitrophenol	ND	U	20	"						
4-Nitrophenol	ND	U	5	"						

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H051 - 3520C CLLE - SVOCs										**Prepared: 08/17/21 Analyzed: 08/20/21**
										Semivolatile Organic Compounds by EPA Method 8270D - Quality Control
Blank (B21H051-BLK1)										
Dibenzofuran	ND	U	1	"						
2,4-Dinitrotoluene	ND	U	1	"						
Diethyl phthalate	ND	U	1	"						
Fluorene	ND	U	1	"						
4-Chlorophenyl phenyl ether	ND	U	1	"						
4-Nitroaniline	ND	U	5	"						
4,6-Dinitro-2-methylphenol	ND	U	5	"						
Diphenyl amine	ND	U	1	"						
4-Bromophenyl phenyl ether	ND	U	1	"						
Hexachlorobenzene	ND	U	1	"						
Pentachlorophenol	ND	U	20	"						
Phenanthrene	ND	U	1	"						
Anthracene	ND	U	1	"						
Carbazole	ND	U	1	"						
Di-n-butyl phthalate	ND	U	1	"						
Fluoranthene	ND	U	1	"						
Pyrene	ND	U	1	"						
Butyl benzyl phthalate	ND	U	1	"						
Benzo(a)anthracene	ND	U	1	"						
3,3'-Dichlorobenzidine	ND	U	5	"						
Chrysene	ND	U	1	"						
Bis(2-ethylhexyl) phthalate	ND	U	1	"						
Di-n-octyl phthalate	ND	U	1	"						
Benzo(b)fluoranthene	ND	U	1	"						
Benzo(k)fluoranthene	ND	U	1	"						
Benzo(a)pyrene	ND	U	1	"						
Indeno(1,2,3-cd)pyrene	ND	U	1	"						
Dibenz(a,h)anthracene	ND	U	1	"						
Benzo(g,h,i)perylene	ND	U	1	"						
Surrogate: 1,4-Dioxane-d8	*3.50*			*"*	*5.00*		70	*34-110*		
Surrogate: 2-Fluorophenol	*36.9*			*"*	*50.0*		74	*54-110*		
Surrogate: Phenol-d5	*36.3*			*"*	*50.0*		73	*29-127*		
Surrogate: 2-Chlorophenol-d4	*38.5*			*"*	*50.0*		77	*39-121*		
Surrogate: 1,2-Dichlorobenzene-d4	*37.3*			*"*	*50.0*		75	*31-110*		
Surrogate: Nitrobenzene-d5	*39.0*			*"*	*50.0*		78	*35-111*		
Surrogate: 2-Fluorobiphenyl	*36.7*			*"*	*50.0*		73	*32-115*		
Surrogate: 2,4,6-Tribromophenol	*42.0*			*"*	*50.0*		84	*37-150*		
Surrogate: Terphenyl-d14	*53.4*			*"*	*50.0*		107	*20-179*		

LCS (B21H051-BS1)

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Batch B21H051 - 3520C CLLE - SVOCs — **Prepared: 08/17/21 Analyzed: 08/20/21**

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
LCS (B21H051-BS1)										
1,4-Dioxane	10.6		1	ug/L	10.0		106	82-118		
Phenol	33.9		5	"	50.0		68	48-110		
Bis(2-chloroethyl)ether	7.58		1	"	10.0		76	50-114		
2-Chlorophenol	35.5		5	"	50.0		71	52-110		
1,3-Dichlorobenzene	6.76		1	"	10.0		68	32-110		
1,4-Dichlorobenzene	6.98		1	"	10.0		70	32-110		
Benzyl alcohol	39.8		5	"	50.0		80	52-110		
1,2-Dichlorobenzene	7.17		1	"	10.0		72	34-110		
2-Methylphenol	35.8		5	"	50.0		72	56-110		
Bis(2-chloro-1-methylethyl) ether	7.73		1	"	10.0		77	36-132		
3&4-Methylphenol	41.4		5	"	50.0		83	59-117		
N-Nitrosodipropylamine	8.18		1	"	10.0		82	54-110		
Hexachloroethane	5.36		1	"	10.0		54	27-110		
Nitrobenzene	8.05		1	"	10.0		80	55-114		
Isophorone	7.49		1	"	10.0		75	56-110		
2-Nitrophenol	37.6		5	"	50.0		75	55-111		
2,4-Dimethylphenol	41.7		5	"	50.0		83	36-125		
Bis(2-chloroethoxy)methane	7.26		1	"	10.0		73	47-114		
2,4-Dichlorophenol	41.5		5	"	50.0		83	56-116		
1,2,4-Trichlorobenzene	7.58		1	"	10.0		76	32-110		
Naphthalene	8.22		1	"	10.0		82	44-110		
4-Chloroaniline	37		5	"	50.0		74	20-142		
Hexachlorobutadiene	4.95		1	"	10.0		50	26-110		
4-Chloro-3-methylphenol	42.5		5	"	50.0		85	52-121		
2-Methylnaphthalene	8.48		1	"	10.0		85	43-110		
Hexachlorocyclopentadiene	26.8		5	"	50.0		54	20-110		
2,4,6-Trichlorophenol	39.2		5	"	50.0		78	57-117		
2,4,5-Trichlorophenol	40.6		5	"	50.0		81	51-127		
2-Chloronaphthalene	8.09		1	"	10.0		81	47-110		
2-Nitroaniline	42.5		5	"	50.0		85	57-121		
Dimethyl phthalate	8.95		1	"	10.0		90	64-122		
2,6-Dinitrotoluene	9.12		1	"	10.0		91	61-116		
Acenaphthylene	7.67		1	"	10.0		77	53-110		
3-Nitroaniline	43		5	"	50.0		86	20-164		
Acenaphthene	11.4		1	"	10.0		114	79-146		
2,4-Dinitrophenol	56.1		20	"	50.0		112	40-141		
4-Nitrophenol	52.3		5	"	50.0		105	62-140		
Dibenzofuran	8.92		1	"	10.0		89	57-112		
2,4-Dinitrotoluene	9.9		1	"	10.0		99	60-120		
Diethyl phthalate	9.17		1	"	10.0		92	61-127		
Fluorene	9.04		1	"	10.0		90	58-117		
4-Chlorophenyl phenyl ether	9.19		1	"	10.0		92	53-112		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H051 - 3520C CLLE - SVOCs									**Prepared: 08/17/21 Analyzed: 08/20/21**	
									Semivolatile Organic Compounds by EPA Method 8270D - Quality Control	
LCS (B21H051-BS1)										
4-Nitroaniline	42.5		5	"	50.0		85	30-120		
4,6-Dinitro-2-methylphenol	50.5		5	"	50.0		101	60-149		
Diphenyl amine	6.62		1	"	10.0		66	21-115		
4-Bromophenyl phenyl ether	8.75		1	"	10.0		88	56-110		
Hexachlorobenzene	8.54		1	"	10.0		85	55-110		
Pentachlorophenol	47.9		20	"	50.0		96	56-116		
Phenanthrene	8.89		1	"	10.0		89	53-123		
Anthracene	8.85		1	"	10.0		89	54-122		
Carbazole	7.13		1	"	10.0		71	23-126		
Di-n-butyl phthalate	9.98		1	"	10.0		100	66-126		
Fluoranthene	9.9		1	"	10.0		99	59-124		
Pyrene	8.88		1	"	10.0		89	54-133		
Butyl benzyl phthalate	8.82		1	"	10.0		88	56-135		
Benzo(a)anthracene	8.6		1	"	10.0		86	55-129		
3,3'-Dichlorobenzidine	18.5		5	"	50.0		37	20-128		
Chrysene	9.01		1	"	10.0		90	58-129		
Bis(2-ethylhexyl) phthalate	10.5		1	"	10.0		105	53-152		
Di-n-octyl phthalate	9.56		1	"	10.0		96	33-160		
Benzo(b)fluoranthene	9.6		1	"	10.0		96	36-151		
Benzo(k)fluoranthene	10.1		1	"	10.0		101	36-155		
Benzo(a)pyrene	8.52		1	"	10.0		85	36-132		
Indeno(1,2,3-cd)pyrene	9.25		1	"	10.0		92	35-151		
Dibenz(a,h)anthracene	9.63		1	"	10.0		96	29-165		
Benzo(g,h,i)perylene	9.38		1	"	10.0		94	42-147		
Surrogate: 1,4-Dioxane-d8	*2.97*			*"*	*5.00*		59	*34-110*		
Surrogate: 2-Fluorophenol	*33.9*			*"*	*50.0*		68	*54-110*		
Surrogate: Phenol-d5	*33.3*			*"*	*50.0*		67	*29-127*		
Surrogate: 2-Chlorophenol-d4	*35.6*			*"*	*50.0*		71	*39-121*		
Surrogate: 1,2-Dichlorobenzene-d4	*34.1*			*"*	*50.0*		68	*31-110*		
Surrogate: Nitrobenzene-d5	*37.2*			*"*	*50.0*		74	*35-111*		
Surrogate: 2-Fluorobiphenyl	*33.9*			*"*	*50.0*		68	*32-115*		
Surrogate: 2,4,6-Tribromophenol	*47.5*			*"*	*50.0*		95	*37-150*		
Surrogate: Terphenyl-d14	*52.5*			*"*	*50.0*		105	*20-179*		
Batch B21H056 - 5030 P&T VOA - VOCs									**Prepared & Analyzed: 08/18/21**	
									Volatile Organic Compounds by EPA Method 524.2 - Quality Control	
Blank (B21H056-BLK2)										
Dichlorodifluoromethane	ND	U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H056 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/18/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H056-BLK2)										
Bromomethane	ND	C4, J, Q3, U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	U	4	"						
Dichloromethane	ND	U	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H056 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/18/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H056-BLK2)										
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*4.78*			*"*	*5.00*		96	*83-116*		
Surrogate: Toluene-d8	*4.93*			*"*	*5.00*		99	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.82*			*"*	*5.00*		96	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.84*			*"*	*5.00*		97	*74-113*		
LCS (B21H056-BS1)										
Dichlorodifluoromethane	4.84		0.5	ug/L	5.00		97	70-128		
Chloromethane	3.79		0.5	"	5.00		76	63-123		
Vinyl chloride	4.31		0.5	"	5.00		86	70-130		
Bromomethane	2.75		0.5	"	5.00		55	31-150		
Chloroethane	4.53		0.5	"	5.00		91	74-119		
Trichlorofluoromethane	4.83		0.5	"	5.00		97	72-123		
1,1-Dichloroethene	4.73		0.5	"	5.00		95	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	4.75		0.5	"	5.00		95	73-129		
Acetone	34		4	"	40.0		85	61-114		
Dichloromethane	4.66		0.5	"	5.00		93	70-130		
trans-1,2-Dichloroethene	4.69		0.5	"	5.00		94	70-130		
tert-Butyl methyl ether (MTBE)	18.3		2	"	20.0		91	62-117		
1,1-Dichloroethane	4.61		0.5	"	5.00		92	74-115		
2,2-Dichloropropane	5.17		0.5	"	5.00		103	64-144		
cis-1,2-Dichloroethene	4.72		0.5	"	5.00		94	70-130		
2-Butanone (MEK)	36.2		4	"	40.0		90	57-121		
Bromochloromethane	4.77		0.5	"	5.00		95	71-122		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H056 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/18/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H056-BS1)										
Chloroform	4.85		0.5	"	5.00		97	70-130		
1,1,1-Trichloroethane	4.97		0.5	"	5.00		99	70-130		
Carbon tetrachloride	4.99		0.5	"	5.00		100	70-130		
1,1-Dichloropropene	4.75		0.5	"	5.00		95	71-119		
Benzene	4.74		0.5	"	5.00		95	70-130		
1,2-Dichloroethane	4.8		0.5	"	5.00		96	70-130		
Trichloroethene	4.76		0.5	"	5.00		95	70-130		
1,2-Dichloropropane	4.7		0.5	"	5.00		94	70-130		
Dibromomethane	4.76		0.5	"	5.00		95	72-121		
Bromodichloromethane	4.79		0.5	"	5.00		96	70-130		
cis-1,3-Dichloropropene	4.86		0.5	"	5.00		97	68-120		
Toluene	4.77		0.5	"	5.00		95	70-130		
trans-1,3-Dichloropropene	4.91		0.5	"	5.00		98	64-126		
1,1,2-Trichloroethane	4.93		0.5	"	5.00		99	70-130		
Tetrachloroethene	5		0.5	"	5.00		100	70-130		
1,3-Dichloropropane	4.82		0.5	"	5.00		96	80-114		
Chlorodibromomethane	4.88		0.5	"	5.00		98	70-130		
1,2-Dibromoethane (EDB)	4.92		0.5	"	5.00		98	80-115		
Chlorobenzene	4.92		0.5	"	5.00		98	70-130		
1,1,1,2-Tetrachloroethane	4.99		0.5	"	5.00		100	82-116		
Ethylbenzene	5.06		0.5	"	5.00		101	70-130		
m&p-Xylene	9.91		1	"	10.0		99	70-130		
o-Xylene	5.05		0.5	"	5.00		101	70-130		
Styrene	4.93		0.5	"	5.00		99	70-130		
Bromoform	4.91		0.5	"	5.00		98	70-130		
Isopropylbenzene	5.07		0.5	"	5.00		101	86-114		
Bromobenzene	4.93		0.5	"	5.00		99	84-110		
1,1,2,2-Tetrachloroethane	5.38		0.5	"	5.00		108	81-113		
1,2,3-Trichloropropane	4.97		0.5	"	5.00		99	81-114		
Propylbenzene	5.1		0.5	"	5.00		102	87-115		
2-Chlorotoluene	5.07		0.5	"	5.00		101	84-111		
4-Chlorotoluene	5.03		0.5	"	5.00		101	82-112		
1,3,5-Trimethylbenzene	5.05		0.5	"	5.00		101	85-113		
tert-Butylbenzene	4.96		0.5	"	5.00		99	86-114		
1,2,4-Trimethylbenzene	5.05		0.5	"	5.00		101	84-114		
sec-Butylbenzene	5.01		0.5	"	5.00		100	87-119		
1,3-Dichlorobenzene	4.93		0.5	"	5.00		99	85-110		
p-Isopropyltoluene	4.97		0.5	"	5.00		99	86-117		
1,4-Dichlorobenzene	4.97		0.5	"	5.00		99	70-130		
1,2-Dichlorobenzene	4.99		0.5	"	5.00		100	70-130		
Butylbenzene	5		0.5	"	5.00		100	85-118		
1,2-Dibromo-3-chloropropane	21.3		2	"	20.0		106	54-133		

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H056 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/18/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H056-BS1)										
1,2,4-Trichlorobenzene	4.86		0.5	"	5.00		97	70-130		
Hexachlorobutadiene	5		0.5	"	5.00		100	66-113		
Naphthalene	4.66		0.5	"	5.00		93	58-126		
1,2,3-Trichlorobenzene	4.81		0.5	"	5.00		96	65-119		
Surrogate: 1,2-Dichloroethane-d4	*4.87*			*"*	*5.00*		97	*83-116*		
Surrogate: Toluene-d8	*4.94*			*"*	*5.00*		99	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.95*			*"*	*5.00*		99	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.02*			*"*	*5.00*		100	*74-113*		
Batch B21H057 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/18/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H057-BLK1)										
Dichlorodifluoromethane	ND	C3, J, U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	C3, J, U	4	"						
Dichloromethane	0.3	C1, J	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						

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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H057 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/18/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H057-BLK1)										
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*5.67*			*"*	*5.00*		113	*83-116*		
Surrogate: Toluene-d8	*4.95*			*"*	*5.00*		99	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.83*			*"*	*5.00*		97	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.94*			*"*	*5.00*		99	*74-113*		
LCS (B21H057-BS1)										
Dichlorodifluoromethane	5.83		0.5	ug/L	5.00		117	70-128		

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Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H057 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/18/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H057-BS1)										
Chloromethane	5.18		0.5	"	5.00		104	63-123		
Vinyl chloride	5.46		0.5	"	5.00		109	70-130		
Bromomethane	3.62		0.5	"	5.00		72	31-150		
Chloroethane	5.07		0.5	"	5.00		101	74-119		
Trichlorofluoromethane	5.52		0.5	"	5.00		110	72-123		
1,1-Dichloroethene	5.27		0.5	"	5.00		105	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.63		0.5	"	5.00		113	73-129		
Acetone	34.2		4	"	40.0		85	61-114		
Dichloromethane	4.84		0.5	"	5.00		97	70-130		
trans-1,2-Dichloroethene	5.05		0.5	"	5.00		101	70-130		
tert-Butyl methyl ether (MTBE)	17.8		2	"	20.0		89	62-117		
1,1-Dichloroethane	4.92		0.5	"	5.00		98	74-115		
2,2-Dichloropropane	4.82		0.5	"	5.00		96	64-144		
cis-1,2-Dichloroethene	4.92		0.5	"	5.00		98	70-130		
2-Butanone (MEK)	44.1		4	"	40.0		110	57-121		
Bromochloromethane	4.9		0.5	"	5.00		98	71-122		
Chloroform	5.13		0.5	"	5.00		103	70-130		
1,1,1-Trichloroethane	5.17		0.5	"	5.00		103	70-130		
Carbon tetrachloride	5.37		0.5	"	5.00		107	70-130		
1,1-Dichloropropene	5.25		0.5	"	5.00		105	71-119		
Benzene	5.08		0.5	"	5.00		102	70-130		
1,2-Dichloroethane	4.86		0.5	"	5.00		97	70-130		
Trichloroethene	5.11		0.5	"	5.00		102	70-130		
1,2-Dichloropropane	5.14		0.5	"	5.00		103	70-130		
Dibromomethane	5.1		0.5	"	5.00		102	72-121		
Bromodichloromethane	4.79		0.5	"	5.00		96	70-130		
cis-1,3-Dichloropropene	4.76		0.5	"	5.00		95	68-120		
Toluene	5.16		0.5	"	5.00		103	70-130		
trans-1,3-Dichloropropene	4.65		0.5	"	5.00		93	64-126		
1,1,2-Trichloroethane	5.16		0.5	"	5.00		103	70-130		
Tetrachloroethene	5.53		0.5	"	5.00		111	70-130		
1,3-Dichloropropane	5.14		0.5	"	5.00		103	80-114		
Chlorodibromomethane	4.84		0.5	"	5.00		97	70-130		
1,2-Dibromoethane (EDB)	5.11		0.5	"	5.00		102	80-115		
Chlorobenzene	5.04		0.5	"	5.00		101	70-130		
1,1,1,2-Tetrachloroethane	4.94		0.5	"	5.00		99	82-116		
Ethylbenzene	5.18		0.5	"	5.00		104	70-130		
m&p-Xylene	10.3		1	"	10.0		103	70-130		
o-Xylene	5.04		0.5	"	5.00		101	70-130		
Styrene	5.1		0.5	"	5.00		102	70-130		
Bromoform	4.7		0.5	"	5.00		94	70-130		
Isopropylbenzene	5.2		0.5	"	5.00		104	86-114		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H057 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/18/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H057-BS1)										
Bromobenzene	4.93		0.5	"	5.00		99	84-110		
1,1,2,2-Tetrachloroethane	5.3		0.5	"	5.00		106	81-113		
1,2,3-Trichloropropane	5.31		0.5	"	5.00		106	81-114		
Propylbenzene	5.33		0.5	"	5.00		107	87-115		
2-Chlorotoluene	5.15		0.5	"	5.00		103	84-111		
4-Chlorotoluene	5.2		0.5	"	5.00		104	82-112		
1,3,5-Trimethylbenzene	5.14		0.5	"	5.00		103	85-113		
tert-Butylbenzene	5.19		0.5	"	5.00		104	86-114		
1,2,4-Trimethylbenzene	5.08		0.5	"	5.00		102	84-114		
sec-Butylbenzene	5.35		0.5	"	5.00		107	87-119		
1,3-Dichlorobenzene	5.06		0.5	"	5.00		101	85-110		
p-Isopropyltoluene	5.29		0.5	"	5.00		106	86-117		
1,4-Dichlorobenzene	5.02		0.5	"	5.00		100	70-130		
1,2-Dichlorobenzene	4.98		0.5	"	5.00		100	70-130		
Butylbenzene	5.37		0.5	"	5.00		107	85-118		
1,2-Dibromo-3-chloropropane	19.1		2	"	20.0		96	54-133		
1,2,4-Trichlorobenzene	4.64		0.5	"	5.00		93	70-130		
Hexachlorobutadiene	5.21		0.5	"	5.00		104	66-113		
Naphthalene	4.71		0.5	"	5.00		94	58-126		
1,2,3-Trichlorobenzene	4.89		0.5	"	5.00		98	65-119		
Surrogate: 1,2-Dichloroethane-d4	*5.16*			*"*	*5.00*		103	*83-116*		
Surrogate: Toluene-d8	*5.10*			*"*	*5.00*		102	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.89*			*"*	*5.00*		98	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.98*			*"*	*5.00*		100	*74-113*		
Batch B21H067 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/24/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H067-BLK1)										
Dichlorodifluoromethane	ND	U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	U	4	"						
Dichloromethane	ND	U	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H067 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/24/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H067-BLK1)										
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						

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Region 9 Laboratory
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H067 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/24/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H067-BLK1)										
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*5.09*			*"*	*5.00*		102	*83-116*		
Surrogate: Toluene-d8	*4.87*			*"*	*5.00*		97	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.93*			*"*	*5.00*		99	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.96*			*"*	*5.00*		99	*74-113*		
LCS (B21H067-BS1)										
Dichlorodifluoromethane	4.72		0.5	ug/L	5.00		94	70-128		
Chloromethane	3.68		0.5	"	5.00		74	63-123		
Vinyl chloride	4.28		0.5	"	5.00		86	70-130		
Bromomethane	3.33		0.5	"	5.00		67	31-150		
Chloroethane	4.45		0.5	"	5.00		89	74-119		
Trichlorofluoromethane	4.66		0.5	"	5.00		93	72-123		
1,1-Dichloroethene	4.65		0.5	"	5.00		93	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	4.44		0.5	"	5.00		89	73-129		
Acetone	32.5		4	"	40.0		81	61-114		
Dichloromethane	4.54		0.5	"	5.00		91	70-130		
trans-1,2-Dichloroethene	4.64		0.5	"	5.00		93	70-130		
tert-Butyl methyl ether (MTBE)	18		2	"	20.0		90	62-117		
1,1-Dichloroethane	4.47		0.5	"	5.00		89	74-115		
2,2-Dichloropropane	5.31		0.5	"	5.00		106	64-144		
cis-1,2-Dichloroethene	4.78		0.5	"	5.00		96	70-130		
2-Butanone (MEK)	35.8		4	"	40.0		89	57-121		
Bromochloromethane	4.93		0.5	"	5.00		99	71-122		
Chloroform	4.93		0.5	"	5.00		99	70-130		
1,1,1-Trichloroethane	4.98		0.5	"	5.00		100	70-130		
Carbon tetrachloride	5.02		0.5	"	5.00		100	70-130		
1,1-Dichloropropene	4.67		0.5	"	5.00		93	71-119		
Benzene	4.75		0.5	"	5.00		95	70-130		
1,2-Dichloroethane	4.79		0.5	"	5.00		96	70-130		
Trichloroethene	4.8		0.5	"	5.00		96	70-130		
1,2-Dichloropropane	4.77		0.5	"	5.00		95	70-130		
Dibromomethane	4.82		0.5	"	5.00		96	72-121		
Bromodichloromethane	4.87		0.5	"	5.00		97	70-130		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H067 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/24/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H067-BS1)										
cis-1,3-Dichloropropene	4.97		0.5	"	5.00		99	68-120		
Toluene	4.81		0.5	"	5.00		96	70-130		
trans-1,3-Dichloropropene	5.14		0.5	"	5.00		103	64-126		
1,1,2-Trichloroethane	4.79		0.5	"	5.00		96	70-130		
Tetrachloroethene	5.03		0.5	"	5.00		101	70-130		
1,3-Dichloropropane	4.87		0.5	"	5.00		97	80-114		
Chlorodibromomethane	4.85		0.5	"	5.00		97	70-130		
1,2-Dibromoethane (EDB)	5		0.5	"	5.00		100	80-115		
Chlorobenzene	5.04		0.5	"	5.00		101	70-130		
1,1,1,2-Tetrachloroethane	5.04		0.5	"	5.00		101	82-116		
Ethylbenzene	5.13		0.5	"	5.00		103	70-130		
m&p-Xylene	10		1	"	10.0		100	70-130		
o-Xylene	5.09		0.5	"	5.00		102	70-130		
Styrene	5.05		0.5	"	5.00		101	70-130		
Bromoform	5.11		0.5	"	5.00		102	70-130		
Isopropylbenzene	5.17		0.5	"	5.00		103	86-114		
Bromobenzene	5.03		0.5	"	5.00		101	84-110		
1,1,2,2-Tetrachloroethane	5.48		0.5	"	5.00		110	81-113		
1,2,3-Trichloropropane	4.96		0.5	"	5.00		99	81-114		
Propylbenzene	5.2		0.5	"	5.00		104	87-115		
2-Chlorotoluene	5.19		0.5	"	5.00		104	84-111		
4-Chlorotoluene	5.16		0.5	"	5.00		103	82-112		
1,3,5-Trimethylbenzene	5.14		0.5	"	5.00		103	85-113		
tert-Butylbenzene	5.04		0.5	"	5.00		101	86-114		
1,2,4-Trimethylbenzene	5.14		0.5	"	5.00		103	84-114		
sec-Butylbenzene	5.08		0.5	"	5.00		102	87-119		
1,3-Dichlorobenzene	5.07		0.5	"	5.00		101	85-110		
p-Isopropyltoluene	5.08		0.5	"	5.00		102	86-117		
1,4-Dichlorobenzene	5.16		0.5	"	5.00		103	70-130		
1,2-Dichlorobenzene	5.16		0.5	"	5.00		103	70-130		
Butylbenzene	5.06		0.5	"	5.00		101	85-118		
1,2-Dibromo-3-chloropropane	21.4		2	"	20.0		107	54-133		
1,2,4-Trichlorobenzene	5.01		0.5	"	5.00		100	70-130		
Hexachlorobutadiene	5.15		0.5	"	5.00		103	66-113		
Naphthalene	4.71		0.5	"	5.00		94	58-126		
1,2,3-Trichlorobenzene	4.99		0.5	"	5.00		100	65-119		
Surrogate: 1,2-Dichloroethane-d4	*4.91*			*"*	*5.00*		98	*83-116*		
Surrogate: Toluene-d8	*4.89*			*"*	*5.00*		98	*81-112*		
Surrogate: 4-Bromofluorobenzene	*5.08*			*"*	*5.00*		102	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.11*			*"*	*5.00*		102	*74-113*		

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21I003 - 3520C CLLE - SVOCs									**Prepared: 09/02/21 Analyzed: 09/08/21**	
									Semivolatile Organic Compounds by EPA Method 8270D - Quality Control	
Blank (B21I003-BLK1)										
1,4-Dioxane	ND	U	1	ug/L						
Phenol	ND	U	5	"						
Bis(2-chloroethyl)ether	ND	U	1	"						
2-Chlorophenol	ND	U	5	"						
1,3-Dichlorobenzene	ND	U	1	"						
1,4-Dichlorobenzene	ND	U	1	"						
Benzyl alcohol	ND	U	5	"						
1,2-Dichlorobenzene	ND	U	1	"						
2-Methylphenol	ND	U	5	"						
Bis(2-chloro-1-methylethyl) ether	ND	U	1	"						
3&4-Methylphenol	ND	U	5	"						
N-Nitrosodipropylamine	ND	U	1	"						
Hexachloroethane	ND	U	1	"						
Nitrobenzene	ND	U	1	"						
Isophorone	ND	U	1	"						
2-Nitrophenol	ND	U	5	"						
2,4-Dimethylphenol	ND	U	5	"						
Bis(2-chloroethoxy)methane	ND	U	1	"						
2,4-Dichlorophenol	ND	U	5	"						
1,2,4-Trichlorobenzene	ND	U	1	"						
Naphthalene	ND	U	1	"						
4-Chloroaniline	ND	U	5	"						
Hexachlorobutadiene	ND	U	1	"						
4-Chloro-3-methylphenol	ND	U	5	"						
2-Methylnaphthalene	ND	U	1	"						
Hexachlorocyclopentadiene	ND	U	5	"						
2,4,6-Trichlorophenol	ND	U	5	"						
2,4,5-Trichlorophenol	ND	U	5	"						
2-Chloronaphthalene	ND	U	1	"						
2-Nitroaniline	ND	U	5	"						
Dimethyl phthalate	ND	U	1	"						
2,6-Dinitrotoluene	ND	U	1	"						
Acenaphthylene	ND	U	1	"						
3-Nitroaniline	ND	U	5	"						
Acenaphthene	ND	U	1	"						
2,4-Dinitrophenol	ND	U	20	"						
4-Nitrophenol	ND	U	5	"						
Dibenzofuran	ND	U	1	"						
2,4-Dinitrotoluene	ND	U	1	"						
Diethyl phthalate	ND	U	1	"						
Fluorene	ND	U	1	"						
4-Chlorophenyl phenyl ether	ND	U	1	"						

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21I003 - 3520C CLLE - SVOCs									**Prepared: 09/02/21 Analyzed: 09/08/21**	
									Semivolatile Organic Compounds by EPA Method 8270D - Quality Control	
Blank (B21I003-BLK1)										
4-Nitroaniline	ND	U	5	"						
4,6-Dinitro-2-methylphenol	ND	U	5	"						
Diphenyl amine	ND	U	1	"						
4-Bromophenyl phenyl ether	ND	U	1	"						
Hexachlorobenzene	ND	U	1	"						
Pentachlorophenol	ND	U	20	"						
Phenanthrene	ND	U	1	"						
Anthracene	ND	U	1	"						
Carbazole	ND	U	1	"						
Di-n-butyl phthalate	ND	U	1	"						
Fluoranthene	ND	U	1	"						
Pyrene	ND	U	1	"						
Butyl benzyl phthalate	ND	U	1	"						
Benzo(a)anthracene	ND	U	1	"						
3,3'-Dichlorobenzidine	ND	U	5	"						
Chrysene	ND	U	1	"						
Bis(2-ethylhexyl) phthalate	ND	U	1	"						
Di-n-octyl phthalate	ND	U	1	"						
Benzo(b)fluoranthene	ND	U	1	"						
Benzo(k)fluoranthene	ND	U	1	"						
Benzo(a)pyrene	ND	U	1	"						
Indeno(1,2,3-cd)pyrene	ND	U	1	"						
Dibenz(a,h)anthracene	ND	U	1	"						
Benzo(g,h,i)perylene	ND	U	1	"						
Surrogate: 1,4-Dioxane-d8	*3.58*			*"*	*5.00*		72	*34-110*		
Surrogate: 2-Fluorophenol	*40.1*			*"*	*50.0*		80	*54-110*		
Surrogate: Phenol-d5	*39.6*			*"*	*50.0*		79	*29-127*		
Surrogate: 2-Chlorophenol-d4	*42.0*			*"*	*50.0*		84	*39-121*		
Surrogate: 1,2-Dichlorobenzene-d4	*41.0*			*"*	*50.0*		82	*31-110*		
Surrogate: Nitrobenzene-d5	*43.0*			*"*	*50.0*		86	*35-111*		
Surrogate: 2-Fluorobiphenyl	*42.0*			*"*	*50.0*		84	*32-115*		
Surrogate: 2,4,6-Tribromophenol	*44.9*			*"*	*50.0*		90	*37-150*		
Surrogate: Terphenyl-d14	*38.0*			*"*	*50.0*		76	*20-179*		
LCS (B21I003-BS1)										
1,4-Dioxane	10.8		1	ug/L	10.0		108	82-118		
Phenol	40.5		5	"	50.0		81	48-110		
Bis(2-chloroethyl)ether	9.03		1	"	10.0		90	50-114		
2-Chlorophenol	41.5		5	"	50.0		83	52-110		
1,3-Dichlorobenzene	7.43		1	"	10.0		74	32-110		

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Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
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Quality Control

Batch B21I003 - 3520C CLLE - SVOCs **Prepared: 09/02/21 Analyzed: 09/08/21**

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
LCS (B21I003-BS1)										
1,4-Dichlorobenzene	7.82		1	"	10.0		78	32-110		
Benzyl alcohol	40.8		5	"	50.0		82	52-110		
1,2-Dichlorobenzene	8.02		1	"	10.0		80	34-110		
2-Methylphenol	42		5	"	50.0		84	56-110		
Bis(2-chloro-1-methylethyl) ether	8.27		1	"	10.0		83	36-132		
3&4-Methylphenol	45		5	"	50.0		90	59-117		
N-Nitrosodipropylamine	8.26		1	"	10.0		83	54-110		
Hexachloroethane	5.88		1	"	10.0		59	27-110		
Nitrobenzene	9.21		1	"	10.0		92	55-114		
Isophorone	8.16		1	"	10.0		82	56-110		
2-Nitrophenol	43.5		5	"	50.0		87	55-111		
2,4-Dimethylphenol	42.4		5	"	50.0		85	36-125		
Bis(2-chloroethoxy)methane	9.03		1	"	10.0		90	47-114		
2,4-Dichlorophenol	45.1		5	"	50.0		90	56-116		
1,2,4-Trichlorobenzene	8.03		1	"	10.0		80	32-110		
Naphthalene	9.3		1	"	10.0		93	44-110		
4-Chloroaniline	42.5		5	"	50.0		85	20-142		
Hexachlorobutadiene	5.78		1	"	10.0		58	26-110		
4-Chloro-3-methylphenol	43		5	"	50.0		86	52-121		
2-Methylnaphthalene	9.22		1	"	10.0		92	43-110		
Hexachlorocyclopentadiene	28.5		5	"	50.0		57	20-110		
2,4,6-Trichlorophenol	43.8		5	"	50.0		88	57-117		
2,4,5-Trichlorophenol	45.6		5	"	50.0		91	51-127		
2-Chloronaphthalene	9.11		1	"	10.0		91	47-110		
2-Nitroaniline	48.7		5	"	50.0		97	57-121		
Dimethyl phthalate	10.4		1	"	10.0		104	64-122		
2,6-Dinitrotoluene	10.2		1	"	10.0		102	61-116		
Acenaphthylene	8.79		1	"	10.0		88	53-110		
3-Nitroaniline	48.5		5	"	50.0		97	20-164		
Acenaphthene	11.5		1	"	10.0		115	79-146		
2,4-Dinitrophenol	49.1		20	"	50.0		98	40-141		
4-Nitrophenol	51.9		5	"	50.0		104	62-140		
Dibenzofuran	9.47		1	"	10.0		95	57-112		
2,4-Dinitrotoluene	10.6		1	"	10.0		106	60-120		
Diethyl phthalate	10.1		1	"	10.0		101	61-127		
Fluorene	9.37		1	"	10.0		94	58-117		
4-Chlorophenyl phenyl ether	9.2		1	"	10.0		92	53-112		
4-Nitroaniline	49.6		5	"	50.0		99	30-120		
4,6-Dinitro-2-methylphenol	52.7		5	"	50.0		105	60-149		
Diphenyl amine	8.53		1	"	10.0		85	21-115		
4-Bromophenyl phenyl ether	9.5		1	"	10.0		95	56-110		
Hexachlorobenzene	9.4		1	"	10.0		94	55-110		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21I003 - 3520C CLLE - SVOCs									**Prepared: 09/02/21 Analyzed: 09/08/21**	
									Semivolatile Organic Compounds by EPA Method 8270D - Quality Control	
LCS (B21I003-BS1)										
Pentachlorophenol	38		20	"	50.0		76	56-116		
Phenanthrene	9.88		1	"	10.0		99	53-123		
Anthracene	9.66		1	"	10.0		97	54-122		
Carbazole	9.64		1	"	10.0		96	23-126		
Di-n-butyl phthalate	10.7		1	"	10.0		107	66-126		
Fluoranthene	10.8		1	"	10.0		108	59-124		
Pyrene	9.94		1	"	10.0		99	54-133		
Butyl benzyl phthalate	10.3		1	"	10.0		103	56-135		
Benzo(a)anthracene	9.76		1	"	10.0		98	55-129		
3,3'-Dichlorobenzidine	41.2		5	"	50.0		82	20-128		
Chrysene	10.1		1	"	10.0		101	58-129		
Bis(2-ethylhexyl) phthalate	10.4		1	"	10.0		104	53-152		
Di-n-octyl phthalate	10.1		1	"	10.0		101	33-160		
Benzo(b)fluoranthene	9.82		1	"	10.0		98	36-151		
Benzo(k)fluoranthene	10.2		1	"	10.0		102	36-155		
Benzo(a)pyrene	9.32		1	"	10.0		93	36-132		
Indeno(1,2,3-cd)pyrene	9.35		1	"	10.0		94	35-151		
Dibenz(a,h)anthracene	9.64		1	"	10.0		96	29-165		
Benzo(g,h,i)perylene	9.7		1	"	10.0		97	42-147		
Surrogate: 1,4-Dioxane-d8	*3.55*			*"*	*5.00*		71	*34-110*		
Surrogate: 2-Fluorophenol	*39.9*			*"*	*50.0*		80	*54-110*		
Surrogate: Phenol-d5	*39.1*			*"*	*50.0*		78	*29-127*		
Surrogate: 2-Chlorophenol-d4	*42.2*			*"*	*50.0*		84	*39-121*		
Surrogate: 1,2-Dichlorobenzene-d4	*37.5*			*"*	*50.0*		75	*31-110*		
Surrogate: Nitrobenzene-d5	*42.6*			*"*	*50.0*		85	*35-111*		
Surrogate: 2-Fluorobiphenyl	*41.0*			*"*	*50.0*		82	*32-115*		
Surrogate: 2,4,6-Tribromophenol	*52.4*			*"*	*50.0*		105	*37-150*		
Surrogate: Terphenyl-d14	*35.1*			*"*	*50.0*		70	*20-179*		
Matrix Spike (B21I003-MS1)		**Source: 2108010-15RE2**								
1,4-Dioxane	65.7		3.3	ug/L	33.3	31.1	104	82-118		
Phenol	134		17	"	166	ND	81	48-110		
Bis(2-chloroethyl)ether	28.6		3.3	"	33.3	ND	86	50-114		
2-Chlorophenol	141		17	"	166	ND	85	52-110		
1,3-Dichlorobenzene	20		3.3	"	33.3	ND	60	32-110		
1,4-Dichlorobenzene	21.6		3.3	"	33.3	ND	65	32-110		
Benzyl alcohol	150		17	"	166	ND	90	52-110		
1,2-Dichlorobenzene	29.8		3.3	"	33.3	7.02	69	34-110		
2-Methylphenol	143		17	"	166	ND	86	56-110		
Bis(2-chloro-1-methylethyl) ether	26.6		3.3	"	33.3	ND	80	36-132		

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21I003 - 3520C CLLE - SVOCs									**Prepared: 09/02/21 Analyzed: 09/08/21**	
								Semivolatile Organic Compounds by EPA Method 8270D - Quality Control		
Matrix Spike (B21I003-MS1)		**Source: 2108010-15RE2**								
3&4-Methylphenol	158		17	"	166	ND	95	59-117		
N-Nitrosodipropylamine	30.8		3.3	"	33.3	ND	92	54-110		
Hexachloroethane	37.9		3.3	"	33.3	ND	**114**	27-110		
Nitrobenzene	31		3.3	"	33.3	ND	93	55-114		
Isophorone	30		3.3	"	33.3	ND	90	56-110		
2-Nitrophenol	155		17	"	166	ND	93	55-111		
2,4-Dimethylphenol	160		17	"	166	ND	96	36-125		
Bis(2-chloroethoxy)methane	29.6		3.3	"	33.3	ND	89	47-114		
2,4-Dichlorophenol	160		17	"	166	ND	96	56-116		
1,2,4-Trichlorobenzene	23.5		3.3	"	33.3	ND	71	32-110		
Naphthalene	39.9		3.3	"	33.3	12.1	84	44-110		
4-Chloroaniline	123		17	"	166	ND	74	20-142		
Hexachlorobutadiene	18.6		3.3	"	33.3	ND	56	26-110		
4-Chloro-3-methylphenol	180		17	"	166	ND	108	52-121		
2-Methylnaphthalene	43.4		3.3	"	33.3	14	88	43-110		
Hexachlorocyclopentadiene	71.4		17	"	166	ND	43	20-110		
2,4,6-Trichlorophenol	162		17	"	166	ND	97	57-117		
2,4,5-Trichlorophenol	153		17	"	166	ND	92	51-127		
2-Chloronaphthalene	27.5		3.3	"	33.3	ND	83	47-110		
2-Nitroaniline	153		17	"	166	ND	92	57-121		
Dimethyl phthalate	26.2		3.3	"	33.3	ND	79	64-122		
2,6-Dinitrotoluene	34.1		3.3	"	33.3	ND	102	61-116		
Acenaphthylene	29		3.3	"	33.3	ND	87	53-110		
3-Nitroaniline	132		17	"	166	ND	80	20-164		
Acenaphthene	35.3		3.3	"	33.3	ND	106	79-146		
2,4-Dinitrophenol	109		67	"	166	ND	66	40-141		
4-Nitrophenol	147		17	"	166	ND	88	62-140		
Dibenzofuran	31.6		3.3	"	33.3	ND	95	57-112		
2,4-Dinitrotoluene	35.8		3.3	"	33.3	ND	108	60-120		
Diethyl phthalate	26.8		3.3	"	33.3	ND	81	61-127		
Fluorene	33.6		3.3	"	33.3	ND	101	58-117		
4-Chlorophenyl phenyl ether	31.1		3.3	"	33.3	ND	93	53-112		
4-Nitroaniline	101		17	"	166	ND	61	30-120		
4,6-Dinitro-2-methylphenol	152		17	"	166	ND	92	60-149		
Diphenyl amine	28.4		3.3	"	33.3	ND	85	21-115		
4-Bromophenyl phenyl ether	39.2		3.3	"	33.3	ND	**118**	56-110		
Hexachlorobenzene	38.6		3.3	"	33.3	ND	**116**	55-110		
Pentachlorophenol	104		67	"	166	ND	62	56-116		
Phenanthrene	39.4		3.3	"	33.3	ND	118	53-123		
Anthracene	35.2		3.3	"	33.3	ND	106	54-122		
Carbazole	40.4		3.3	"	33.3	ND	121	23-126		
Di-n-butyl phthalate	37.4		3.3	"	33.3	ND	112	66-126		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21I003 - 3520C CLLE - SVOCs									**Prepared: 09/02/21 Analyzed: 09/08/21**	
							Semivolatile Organic Compounds by EPA Method 8270D - Quality Control			
Matrix Spike (B21I003-MS1)		**Source: 2108010-15RE2**								
Fluoranthene	40.2		3.3	"	33.3	ND	121	59-124		
Pyrene	38.3		3.3	"	33.3	ND	115	54-133		
Butyl benzyl phthalate	36.1		3.3	"	33.3	ND	109	56-135		
Benzo(a)anthracene	32.5		3.3	"	33.3	ND	98	55-159		
3,3'-Dichlorobenzidine	ND	U	17	"	166	ND		20-128		
Chrysene	34.5		3.3	"	33.3	ND	104	58-129		
Bis(2-ethylhexyl) phthalate	34.3		3.3	"	33.3	ND	103	53-152		
Di-n-octyl phthalate	36.7		3.3	"	33.3	ND	110	33-160		
Benzo(b)fluoranthene	33.8		3.3	"	33.3	ND	102	36-151		
Benzo(k)fluoranthene	36.1		3.3	"	33.3	ND	109	36-155		
Benzo(a)pyrene	32.6		3.3	"	33.3	ND	98	36-132		
Indeno(1,2,3-cd)pyrene	32.3		3.3	"	33.3	ND	97	35-151		
Dibenz(a,h)anthracene	34.4		3.3	"	33.3	ND	103	29-165		
Benzo(g,h,i)perylene	34.1		3.3	"	33.3	ND	102	42-147		
Surrogate: 1,4-Dioxane-d8	*3.35*			*"*	*5.00*		67	*34-110*		
Surrogate: 2-Fluorophenol	*39.3*			*"*	*50.0*		79	*54-110*		
Surrogate: Phenol-d5	*39.1*			*"*	*50.0*		78	*29-127*		
Surrogate: 2-Chlorophenol-d4	*41.2*			*"*	*50.0*		82	*39-121*		
Surrogate: 1,2-Dichlorobenzene-d4	*30.4*			*"*	*50.0*		61	*31-110*		
Surrogate: Nitrobenzene-d5	*39.7*			*"*	*50.0*		79	*35-111*		
Surrogate: 2-Fluorobiphenyl	*37.5*			*"*	*50.0*		75	*32-115*		
Surrogate: 2,4,6-Tribromophenol	*61.3*			*"*	*50.0*		123	*37-150*		
Surrogate: Terphenyl-d14	*37.1*			*"*	*50.0*		74	*20-179*		
Matrix Spike Dup (B21I003-MSD1)		**Source: 2108010-15RE2**								
1,4-Dioxane	66		3.3	ug/L	33.3	31.1	105	82-118	0.5	20
Phenol	118		17	"	166	ND	71	48-110	12	20
Bis(2-chloroethyl)ether	24.5		3.3	"	33.3	ND	74	50-114	15	20
2-Chlorophenol	120		17	"	166	ND	72	52-110	16	20
1,3-Dichlorobenzene	17		3.3	"	33.3	ND	51	32-110	16	20
1,4-Dichlorobenzene	18.7		3.3	"	33.3	ND	56	32-110	15	20
Benzyl alcohol	133		17	"	166	ND	80	52-110	12	20
1,2-Dichlorobenzene	25.9		3.3	"	33.3	7.02	57	34-110	14	20
2-Methylphenol	126		17	"	166	ND	76	56-110	13	20
Bis(2-chloro-1-methylethyl) ether	22.3		3.3	"	33.3	ND	67	36-132	18	20
3&4-Methylphenol	142		17	"	166	ND	86	59-117	10	20
N-Nitrosodipropylamine	26.5		3.3	"	33.3	ND	80	54-110	15	20
Hexachloroethane	31.3		3.3	"	33.3	ND	94	27-110	19	20
Nitrobenzene	27.6		3.3	"	33.3	ND	83	55-114	12	20
Isophorone	27.7		3.3	"	33.3	ND	83	56-110	8	20

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21I003 - 3520C CLLE - SVOCs									**Prepared: 09/02/21 Analyzed: 09/08/21**	
						Semivolatile Organic Compounds by EPA Method 8270D - Quality Control				
Matrix Spike Dup (B21I003-MSD1)		**Source: 2108010-15RE2**								
2-Nitrophenol	142		17	"	166	ND	86	55-111	9	20
2,4-Dimethylphenol	148		17	"	166	ND	89	36-125	7	20
Bis(2-chloroethoxy)methane	27.2		3.3	"	33.3	ND	82	47-114	9	20
2,4-Dichlorophenol	148		17	"	166	ND	89	56-116	7	20
1,2,4-Trichlorobenzene	21.5		3.3	"	33.3	ND	64	32-110	9	20
Naphthalene	36.6		3.3	"	33.3	12.1	74	44-110	9	20
4-Chloroaniline	116		17	"	166	ND	70	20-142	6	20
Hexachlorobutadiene	16.1		3.3	"	33.3	ND	48	26-110	14	20
4-Chloro-3-methylphenol	165		17	"	166	ND	99	52-121	9	20
2-Methylnaphthalene	40.7		3.3	"	33.3	14	80	43-110	6	20
Hexachlorocyclopentadiene	59.2		17	"	166	ND	36	20-110	19	20
2,4,6-Trichlorophenol	148		17	"	166	ND	89	57-117	9	20
2,4,5-Trichlorophenol	139		17	"	166	ND	84	51-127	9	20
2-Chloronaphthalene	25.8		3.3	"	33.3	ND	78	47-110	6	20
2-Nitroaniline	139		17	"	166	ND	84	57-121	9	20
Dimethyl phthalate	31		3.3	"	33.3	ND	93	64-122	17	20
2,6-Dinitrotoluene	31		3.3	"	33.3	ND	93	61-116	9	20
Acenaphthylene	26.9		3.3	"	33.3	ND	81	53-110	8	20
3-Nitroaniline	121		17	"	166	ND	73	20-164	9	20
Acenaphthene	32.5		3.3	"	33.3	ND	98	79-146	8	20
2,4-Dinitrophenol	76.2		67	"	166	ND	46	40-141	**36**	20
4-Nitrophenol	131		17	"	166	ND	79	62-140	12	20
Dibenzofuran	29.4		3.3	"	33.3	ND	88	57-112	7	20
2,4-Dinitrotoluene	32.2		3.3	"	33.3	ND	97	60-120	10	20
Diethyl phthalate	24.3		3.3	"	33.3	ND	73	61-127	10	20
Fluorene	30.9		3.3	"	33.3	ND	93	58-117	9	20
4-Chlorophenyl phenyl ether	28.9		3.3	"	33.3	ND	87	53-112	7	20
4-Nitroaniline	91.9		17	"	166	ND	55	30-120	9	20
4,6-Dinitro-2-methylphenol	162		17	"	166	ND	98	60-149	6	20
Diphenyl amine	31.7		3.3	"	33.3	ND	95	21-115	11	20
4-Bromophenyl phenyl ether	33.7		3.3	"	33.3	ND	101	56-110	15	20
Hexachlorobenzene	33.9		3.3	"	33.3	ND	102	55-110	13	20
Pentachlorophenol	81.1		67	"	166	ND	**49**	56-116	**24**	20
Phenanthrene	33.1		3.3	"	33.3	ND	100	53-123	17	20
Anthracene	30.4		3.3	"	33.3	ND	92	54-122	15	20
Carbazole	36.3		3.3	"	33.3	ND	109	23-126	11	20
Di-n-butyl phthalate	32.9		3.3	"	33.3	ND	99	66-126	13	20
Fluoranthene	36.4		3.3	"	33.3	ND	109	59-124	10	20
Pyrene	31.4		3.3	"	33.3	ND	94	54-133	20	20
Butyl benzyl phthalate	31.2		3.3	"	33.3	ND	94	56-135	15	20
Benzo(a)anthracene	29.9		3.3	"	33.3	ND	90	55-159	8	20
3,3'-Dichlorobenzidine	ND	U	17	"	166	ND		20-128		20

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108016
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21I003 - 3520C CLLE - SVOCs									**Prepared: 09/02/21 Analyzed: 09/08/21**	
								Semivolatile Organic Compounds by EPA Method 8270D - Quality Control		
Matrix Spike Dup (B21I003-MSD1)		**Source: 2108010-15RE2**								
Chrysene	30.4		3.3	"	33.3	ND	91	58-129	13	20
Bis(2-ethylhexyl) phthalate	31.2		3.3	"	33.3	ND	94	53-152	10	20
Di-n-octyl phthalate	32		3.3	"	33.3	ND	96	33-160	14	20
Benzo(b)fluoranthene	32.6		3.3	"	33.3	ND	98	36-151	4	20
Benzo(k)fluoranthene	30.1		3.3	"	33.3	ND	90	36-155	18	20
Benzo(a)pyrene	29.1		3.3	"	33.3	ND	87	36-132	11	20
Indeno(1,2,3-cd)pyrene	30		3.3	"	33.3	ND	90	35-151	8	20
Dibenz(a,h)anthracene	31		3.3	"	33.3	ND	93	29-165	10	20
Benzo(g,h,i)perylene	30.7		3.3	"	33.3	ND	92	42-147	10	20
Surrogate: 1,4-Dioxane-d8	*2.69*			*"*	*5.00*		54	*34-110*		
Surrogate: 2-Fluorophenol	*31.9*			*"*	*50.0*		64	*54-110*		
Surrogate: Phenol-d5	*33.7*			*"*	*50.0*		67	*29-127*		
Surrogate: 2-Chlorophenol-d4	*35.2*			*"*	*50.0*		70	*39-121*		
Surrogate: 1,2-Dichlorobenzene-d4	*27.4*			*"*	*50.0*		55	*31-110*		
Surrogate: Nitrobenzene-d5	*35.7*			*"*	*50.0*		71	*35-111*		
Surrogate: 2-Fluorobiphenyl	*35.5*			*"*	*50.0*		71	*32-115*		
Surrogate: 2,4,6-Tribromophenol	*54.0*			*"*	*50.0*		108	*37-150*		
Surrogate: Terphenyl-d14	*33.3*			*"*	*50.0*		67	*20-179*		
Batch B21I006 - 200 Series Digest - Metals, ICP/MS, Dissolved									**Prepared: 09/07/21 Analyzed: 09/08/21**	
								Dissolved Metals by EPA 200 Series Methods - Quality Control		
Blank (B21I006-BLK1)										
Arsenic	ND	U	0.5	ug/L						
Cobalt	ND	U	0.25	"						
Manganese	ND	U	2	"						
Nickel	ND	U	1	"						
Selenium	ND	U	1	"						
LCS (B21I006-BS1)										
Arsenic	39.7		0.5	ug/L	40.0		99	85-115		
Selenium	39.4		1	"	40.0		98	85-115		
Matrix Spike (B21I006-MS1)		**Source: 2108019-05RE1**								
Selenium	36.2		1	ug/L	40.0	2.55	84	70-130		
Matrix Spike Dup (B21I006-MSD1)		**Source: 2108019-05RE1**								
Selenium	35.1		1	ug/L	40.0	2.55	82	70-130	3	20

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**		**WorkOrder:**	2108016
Project Number:	R21S29	**75 Hawthorne Street**		**Reported:**	09/17/21 10:40
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**			

Qualifiers and Comments

Q7 Surrogate spike recoveries for this sample were outside control limits.

Q6 Matrix spike/matrix spike duplicate precision criteria were not met for this analyte (see MS/MSD results for this batch in QC summary).

Q4 The matrix spike and/or matrix spike duplicate associated with this sample did not meet recovery criteria for this analyte (see MS/MSD results for this batch in QC summary)

Q3 The quantitation limit standard did not meet recovery criteria for this analyte.

Q2 The laboratory control standard associated with this sample did not meet recovery criteria for this analyte (see LCS results for this batch in QC summary).

J The reported result for this analyte should be considered an estimated value.

C4 The calibration verification check did not meet % difference criteria for this analyte.

C3 The initial calibration for this analyte did not meet calibration criteria.

C1 The reported concentration for this analyte is below the quantitation limit.

A3 The sample was prepped/analyzed past the recommended holding time.

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street Building 201
Richmond, CA 94804

Date: **9/20/2021**

Subject: **Analytical Testing Results - Project R21S29**
WorkOrder: 2108018

From: **Peter Husby, Director**
EPA Region 9 Laboratory
LSS-2

To: **Fatima Ty**
California Site Cleanup Section 2
SFD-7-2

Attached are the results from the analysis of samples from the **AMCO August 2021 Groundwater Monitoring** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Audrey Johnson at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Cynthia Williams, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

Dissolved Metals by ICP	Dissolved Metals by ICP/MS
Semivolatile Organic Compounds by GC/MS	Volatile Organic Compounds by GC/MS

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
AMCO-081321-TB	2108018-01	Water	08/13/21 08:40	08/13/21 16:45
AMCO-RMW-01-35-081321	2108018-02	Water	08/13/21 08:25	08/13/21 16:45
AMCO-RMW-01-17-081321	2108018-03	Water	08/13/21 09:10	08/13/21 16:45
AMCO-RMW-11-35-081321	2108018-04	Water	08/13/21 10:15	08/13/21 16:45
AMCO-X-52-081321-S	2108018-05	Water	08/13/21 12:20	08/13/21 16:45
AMCO-X-52-081321-D	2108018-06	Water	08/13/21 12:50	08/13/21 16:45
AMCO-X-52-081321-I	2108018-07	Water	08/13/21 13:15	08/13/21 16:45
AMCO-X-01-081321	2108018-08	Water	08/13/21 08:50	08/13/21 16:45
AMCO-RMW-03-15-081321	2108018-09	Water	08/13/21 09:50	08/13/21 16:45
AMCO-RMW-08-15-081321	2108018-10	Water	08/13/21 11:00	08/13/21 16:45
AMCO-RMW-08-35-081321	2108018-11	Water	08/13/21 12:30	08/13/21 16:45
AMCO-RMW-15-15-081321	2108018-12	Water	08/13/21 13:20	08/13/21 16:45
AMCO-RMW-15-35-081321	2108018-13	Water	08/13/21 14:05	08/13/21 16:45
AMCO-X-14-081321	2108018-14	Water	08/13/21 14:25	08/13/21 16:45
AMCO-X-05-081321	2108018-15	Water	08/13/21 08:30	08/13/21 16:45
AMCO-X-04-081321	2108018-16	Water	08/13/21 09:50	08/13/21 16:45
AMCO-X-29-081321	2108018-17	Water	08/13/21 11:20	08/13/21 16:45
AMCO-X-25-081321	2108018-18	Water	08/13/21 13:26	08/13/21 16:45
AMCO-X-19-081321	2108018-19	Water	08/13/21 08:40	08/13/21 16:45
AMCO-DUP1-081321	2108018-20	Water	08/13/21 08:35	08/13/21 16:45

Work Order 2108018

Sample AMCO-081321-TB has no analysis selected on COC, received 3 VOA vials logged in for VOCs.

Sample AMCO-RMW-11-35-08121 dissolved metals analysis selected on COC but no metals containers received for analysis.

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-01									**Water - Sampled: 08/13/21 08:40**
Sample ID: AMCO-081321-TB									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	C3, J, U	0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride		ND	U	0.5	"	"	"	"	524.2
Bromomethane		ND	U	0.5	"	"	"	"	524.2
Chloroethane		ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	"	"	"	524.2
Acetone		3.6	C1, C3, J	4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
2-Butanone (MEK)		ND	U	4	"	"	"	"	524.2
Bromochloromethane		ND	U	0.5	"	"	"	"	524.2
Chloroform	RE1	100		5	"	B21H049	08/17/21	08/17/21	524.2
1,1,1-Trichloroethane		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2
Carbon tetrachloride		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Benzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
Trichloroethene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Dibromomethane		ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane		ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Toluene		0.3	C1, J	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108018-01 — **Water - Sampled: 08/13/21 08:40**

Sample ID: AMCO-081321-TB

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Ethylbenzene		ND	U	0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
m&p-Xylene		ND	U	1	"	"	"	"	524.2
o-Xylene		ND	U	0.5	"	"	"	"	524.2
Styrene		ND	U	0.5	"	"	"	"	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		ND	U	0.5	"	"	"	"	524.2
Bromobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	0.5	"	"	"	"	524.2
Propylbenzene		ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	0.5	"	"	"	"	524.2
Naphthalene		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			111 %	*83-116%*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4	*RE1*		102 %	*83-116%*		*B21H049*	*08/17/21*	*08/17/21*	
Surrogate: Toluene-d8			99 %	*81-112%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: Toluene-d8	*RE1*		99 %	*81-112%*		*B21H049*	*08/17/21*	*08/17/21*	
Surrogate: 4-Bromofluorobenzene			100 %	*80-110%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: 4-Bromofluorobenzene	*RE1*		99 %	*80-110%*		*B21H049*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichlorobenzene-d4			101 %	*74-113%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		102 %	*74-113%*		*B21H049*	*08/17/21*	*08/17/21*	

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108018-02**								**Water - Sampled: 08/13/21 08:25**
Sample ID:	**AMCO-RMW-01-35-081321**								**Dissolved Metals by EPA 200 Series Methods**
Iron		3,100		100	ug/L	B21H052	08/17/21	09/08/21	200.7_Dissolved
Manganese		770		5	"	"	"	"	200.7_Dissolved
Nickel		90		10	"	"	"	"	200.7_Dissolved
Arsenic		11		0.50	"	B21H053	08/17/21	08/24/21	200.8_Dissolved
Cobalt		2.1		0.25	"	"	"	"	200.8_Dissolved
Selenium	RE1	7.2		1	"	"	"	08/30/21	200.8_Dissolved
Sample ID:	**AMCO-RMW-01-35-081321**								**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	U	2.5	"	B21H043	08/16/21	08/16/21	524.2
Chloromethane		ND	U	2.5	"	"	"	"	524.2
Vinyl chloride		8.8		2.5	"	"	"	"	524.2
Bromomethane		ND	C4, J, Q2, Q3, U	2.5	"	"	"	"	524.2
Chloroethane		ND	U	2.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	2.5	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	2.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	2.5	"	"	"	"	524.2
Acetone		ND	U	20	"	"	"	"	524.2
Dichloromethane		ND	U	2.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		ND	U	2.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	10	"	"	"	"	524.2
1,1-Dichloroethane		ND	U	2.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	2.5	"	"	"	"	524.2
cis-1,2-Dichloroethene		15		2.5	"	"	"	"	524.2
2-Butanone (MEK)		ND	U	20	"	"	"	"	524.2
Bromochloromethane		ND	U	2.5	"	"	"	"	524.2
Chloroform		ND	U	2.5	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	U	2.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	2.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	2.5	"	"	"	"	524.2
Benzene		ND	U	2.5	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	2.5	"	"	"	"	524.2
Trichloroethene		ND	U	2.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	J, Q2, U	2.5	"	"	"	"	524.2
Dibromomethane		ND	J, Q2, U	2.5	"	"	"	"	524.2
Bromodichloromethane		ND	C3, J, U	2.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	2.5	"	"	"	"	524.2
Toluene		1.6	C1, J	2.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	C3, J, U	2.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108018-02**								**Water - Sampled: 08/13/21 08:25**
Sample ID:	**AMCO-RMW-01-35-081321**								**Volatile Organic Compounds by EPA Method 524.2**
1,1,2-Trichloroethane		ND	U	2.5	ug/L	B21H043	08/16/21	08/16/21	524.2
Tetrachloroethene		ND	U	2.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	2.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	2.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	2.5	"	"	"	"	524.2
Chlorobenzene		3.5		2.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	2.5	"	"	"	"	524.2
Ethylbenzene		ND	U	2.5	"	"	"	"	524.2
m&p-Xylene		ND	U	5	"	"	"	"	524.2
o-Xylene		ND	U	2.5	"	"	"	"	524.2
Styrene		ND	U	2.5	"	"	"	"	524.2
Bromoform		ND	C3, J, U	2.5	"	"	"	"	524.2
Isopropylbenzene		ND	U	2.5	"	"	"	"	524.2
Bromobenzene		ND	U	2.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	2.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	2.5	"	"	"	"	524.2
Propylbenzene		ND	U	2.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	2.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	2.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	U	2.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	2.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	2.5	"	"	"	"	524.2
sec-Butylbenzene		ND	U	2.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	2.5	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	2.5	"	"	"	"	524.2
1,4-Dichlorobenzene		1.9	C1, J	2.5	"	"	"	"	524.2
1,2-Dichlorobenzene		9.8		2.5	"	"	"	"	524.2
Butylbenzene		ND	U	2.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	10	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	2.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	2.5	"	"	"	"	524.2
Naphthalene		ND	U	2.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	2.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			104 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8			97 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene			88 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			94 %	*74-113%*		"	"	"	

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108018-02**								**Water - Sampled: 08/13/21 08:25**
Sample ID:	**AMCO-RMW-01-35-081321**								**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE1	130		100	ug/L	B21H042	08/16/21	08/31/21	8270D
Phenol		ND	U	50	"	"	"	08/25/21	8270D
Bis(2-chloroethyl)ether		ND	U	10	"	"	"	"	8270D
2-Chlorophenol		ND	U	50	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	10	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	10	"	"	"	"	8270D
Benzyl alcohol		ND	U	50	"	"	"	"	8270D
1,2-Dichlorobenzene		8.8	C1, J	10	"	"	"	"	8270D
2-Methylphenol		ND	U	50	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	C3, J, U	10	"	"	"	"	8270D
3&4-Methylphenol		ND	U	50	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	10	"	"	"	"	8270D
Hexachloroethane		ND	U	10	"	"	"	"	8270D
Nitrobenzene		ND	U	10	"	"	"	"	8270D
Isophorone		ND	U	10	"	"	"	"	8270D
2-Nitrophenol		ND	U	50	"	"	"	"	8270D
2,4-Dimethylphenol		ND	C4, J, U	50	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	10	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	50	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	10	"	"	"	"	8270D
Naphthalene		ND	U	10	"	"	"	"	8270D
4-Chloroaniline		ND	U	50	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	10	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	50	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	10	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	C3, J, U	50	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	50	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	50	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	10	"	"	"	"	8270D
2-Nitroaniline		ND	U	50	"	"	"	"	8270D
Dimethyl phthalate		ND	U	10	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	10	"	"	"	"	8270D
Acenaphthylene		ND	C3, J, U	10	"	"	"	"	8270D
3-Nitroaniline		ND	C3, J, U	50	"	"	"	"	8270D
Acenaphthene		ND	U	10	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	200	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108018-02 — **Water - Sampled: 08/13/21 08:25**

Sample ID: AMCO-RMW-01-35-081321

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Semivolatile Organic Compounds by EPA Method 8270D									
4-Nitrophenol		ND	U	50	ug/L	B21H042	08/16/21	08/25/21	8270D
Dibenzofuran		ND	U	10	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	10	"	"	"	"	8270D
Diethyl phthalate		ND	U	10	"	"	"	"	8270D
Fluorene		ND	U	10	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	10	"	"	"	"	8270D
4-Nitroaniline		ND	U	50	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	50	"	"	"	"	8270D
Diphenyl amine		ND	C3, J, U	10	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	10	"	"	"	"	8270D
Hexachlorobenzene		ND	U	10	"	"	"	"	8270D
Pentachlorophenol		ND	C4, J, U	200	"	"	"	"	8270D
Phenanthrene		ND	U	10	"	"	"	"	8270D
Anthracene		ND	U	10	"	"	"	"	8270D
Carbazole		ND	U	10	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	10	"	"	"	"	8270D
Fluoranthene		ND	U	10	"	"	"	"	8270D
Pyrene		ND	U	10	"	"	"	"	8270D
Butyl benzyl phthalate		ND	J, Q3, U	10	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	10	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	C3, C4, J, U	50	"	"	"	"	8270D
Chrysene		ND	U	10	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	10	"	"	"	"	8270D
Di-n-octyl phthalate		ND	C3, J, Q3, U	10	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	10	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	10	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	10	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	10	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	10	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	10	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			50 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			66 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			66 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			69 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			53 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			63 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			67 %	*32-115%*		"	"	"	

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Region 9 Laboratory
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-02									**Water - Sampled: 08/13/21 08:25**
Sample ID: AMCO-RMW-01-35-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
Surrogate: 2,4,6-Tribromophenol			73 %	*37-150%*		*B21H042*	*08/16/21*	*08/25/21*	
Surrogate: Terphenyl-d14			37 %	*20-179%*		*"*	*"*	*"*	
Lab ID: 2108018-03									**Water - Sampled: 08/13/21 09:10**
Sample ID: AMCO-RMW-01-17-081321									**Dissolved Metals by EPA 200 Series Methods**
Iron		5,700		100	ug/L	B21H052	08/17/21	09/08/21	200.7_Dissolved
Manganese		3,000		5	"	"	"	"	200.7_Dissolved
Arsenic		18		0.50	"	B21H053	08/17/21	08/24/21	200.8_Dissolved
Cobalt		0.72		0.25	"	"	"	"	200.8_Dissolved
Nickel		9.3		1	"	"	"	"	200.8_Dissolved
Selenium	RE1	1.5		1	"	B21I006	09/07/21	09/08/21	200.8_Dissolved
Sample ID: AMCO-RMW-01-17-081321									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	C3, J, U	0.5	"	B21H061	08/24/21	08/24/21	524.2
Chloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Vinyl chloride	RE1	ND	U	0.5	"	"	"	"	524.2
Bromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Acetone	RE1	3.5	C1, C3, J	4	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane	RE1	0.6		0.5	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	0.7		0.5	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	4	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	0.5	"	"	"	"	524.2
Chloroform	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
Benzene	RE1	0.5		0.5	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Trichloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-03									**Water - Sampled: 08/13/21 09:10**
Sample ID: AMCO-RMW-01-17-081321									**Volatile Organic Compounds by EPA Method 524.2**
cis-1,3-Dichloropropene	RE1	ND	U	0.5	ug/L	B21H061	08/24/21	08/24/21	524.2
Toluene	RE1	0.7		0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	0.5	"	"	"	"	524.2
Chlorobenzene		93		2.5	"	B21H043	08/16/21	08/16/21	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	0.5	"	B21H061	08/24/21	08/24/21	524.2
Ethylbenzene	RE1	0.8		0.5	"	"	"	"	524.2
m&p-Xylene	RE1	1.1		1	"	"	"	"	524.2
o-Xylene	RE1	0.4	C1, J	0.5	"	"	"	"	524.2
Styrene	RE1	ND	U	0.5	"	"	"	"	524.2
Bromoform	RE1	ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene	RE1	6.1		0.5	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	0.5	"	"	"	"	524.2
Propylbenzene	RE1	11		0.5	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene	RE1	0.6		0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	4.6		0.5	"	"	"	"	524.2
sec-Butylbenzene	RE1	4.5		0.5	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene	RE1	0.6		0.5	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	4.2		0.5	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	7.3		0.5	"	"	"	"	524.2
Butylbenzene	RE1	2.4		0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	0.5	"	"	"	"	524.2
Naphthalene	RE1	1.4		0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			100 %	*83-116%*		*B21H043*	*08/16/21*	*08/16/21*	
Surrogate: 1,2-Dichloroethane-d4	*RE1*		108 %	*83-116%*		*B21H061*	*08/24/21*	*08/24/21*	

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-03									**Water - Sampled: 08/13/21 09:10**
Sample ID: AMCO-RMW-01-17-081321									**Volatile Organic Compounds by EPA Method 524.2**
Surrogate: Toluene-d8			99 %	*81-112%*		*B21H043*	*08/16/21*	*08/16/21*	
Surrogate: Toluene-d8	*RE1*		99 %	*81-112%*		*B21H061*	*08/24/21*	*08/24/21*	
Surrogate: 4-Bromofluorobenzene			95 %	*80-110%*		*B21H043*	*08/16/21*	*08/16/21*	
Surrogate: 4-Bromofluorobenzene	*RE1*		96 %	*80-110%*		*B21H061*	*08/24/21*	*08/24/21*	
Surrogate: 1,2-Dichlorobenzene-d4			101 %	*74-113%*		*B21H043*	*08/16/21*	*08/16/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		102 %	*74-113%*		*B21H061*	*08/24/21*	*08/24/21*	
Sample ID: AMCO-RMW-01-17-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		10		1	"	B21H042	08/16/21	08/24/21	8270D
Phenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	1	"	"	"	"	8270D
2-Chlorophenol		ND	U	5	"	"	"	"	8270D
1,3-Dichlorobenzene		2.8		1	"	"	"	"	8270D
1,4-Dichlorobenzene		2.8		1	"	"	"	"	8270D
Benzyl alcohol		ND	U	5	"	"	"	"	8270D
1,2-Dichlorobenzene		4.7		1	"	"	"	"	8270D
2-Methylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	1	"	"	"	"	8270D
3&4-Methylphenol		ND	U	5	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	1	"	"	"	"	8270D
Hexachloroethane		ND	U	1	"	"	"	"	8270D
Nitrobenzene		ND	U	1	"	"	"	"	8270D
Isophorone		ND	U	1	"	"	"	"	8270D
2-Nitrophenol		ND	U	5	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	5	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	1	"	"	"	"	8270D
Naphthalene		1.0		1	"	"	"	"	8270D
4-Chloroaniline		ND	U	5	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	1	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	5	"	"	"	"	8270D
2-Methylnaphthalene	RE1	110		4	"	"	"	08/25/21	8270D
Hexachlorocyclopentadiene		ND	U	5	"	"	"	08/24/21	8270D
2,4,6-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	1	"	"	"	"	8270D
2-Nitroaniline		ND	U	5	"	"	"	"	8270D
Dimethyl phthalate		ND	U	1	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108018-03**								**Water - Sampled: 08/13/21 09:10**
Sample ID:	**AMCO-RMW-01-17-081321**								
						Semivolatile Organic Compounds by EPA Method 8270D			
2,6-Dinitrotoluene		ND	U	1	ug/L	B21H042	08/16/21	08/24/21	8270D
Acenaphthylene		ND	U	1	"	"	"	"	8270D
3-Nitroaniline		ND	U	5	"	"	"	"	8270D
Acenaphthene		1.7		1	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, C4, J, U	20	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	5	"	"	"	"	8270D
Dibenzofuran		ND	U	1	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Diethyl phthalate		ND	U	1	"	"	"	"	8270D
Fluorene		0.7	C1, J	1	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
4-Nitroaniline		ND	U	5	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	C4, J, Q3, U	5	"	"	"	"	8270D
Diphenyl amine		ND	U	1	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
Hexachlorobenzene		ND	U	1	"	"	"	"	8270D
Pentachlorophenol		ND	U	20	"	"	"	"	8270D
Phenanthrene		0.7	C1, J	1	"	"	"	"	8270D
Anthracene		ND	U	1	"	"	"	"	8270D
Carbazole		ND	U	1	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	1	"	"	"	"	8270D
Fluoranthene		ND	U	1	"	"	"	"	8270D
Pyrene		ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	1	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	5	"	"	"	"	8270D
Chrysene		ND	U	1	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		0.5	C1, J	1	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	1	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	1	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	1	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			46 %	*34-110%*		"	"	"	

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-03									**Water - Sampled: 08/13/21 09:10**
Sample ID: AMCO-RMW-01-17-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
Surrogate: 2-Fluorophenol		54 %		*54-110%*		*B21H042*	*08/16/21*	*08/24/21*	
Surrogate: Phenol-d5		57 %		*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4		59 %		*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4		55 %		*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5		57 %		*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl		54 %		*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol		73 %		*37-150%*		"	"	"	
Surrogate: Terphenyl-d14		28 %		*20-179%*		"	"	"	
Lab ID: 2108018-04									**Water - Sampled: 08/13/21 10:15**
Sample ID: AMCO-RMW-11-35-081321									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	C3, J, U	0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride		ND	U	0.5	"	"	"	"	524.2
Bromomethane		ND	U	0.5	"	"	"	"	524.2
Chloroethane		ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	"	"	"	524.2
Acetone		ND	C3, J, U	4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		1.0	C1, J	2	"	"	"	"	524.2
1,1-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
2-Butanone (MEK)		ND	U	4	"	"	"	"	524.2
Bromochloromethane		ND	U	0.5	"	"	"	"	524.2
Chloroform		ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Benzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
Trichloroethene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Dibromomethane		ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane		ND	U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108018-04 — **Water - Sampled: 08/13/21 10:15**

Sample ID: AMCO-RMW-11-35-081321

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
cis-1,3-Dichloropropene		ND	U	0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
Toluene		1.3		0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
Ethylbenzene		0.3	C1, J	0.5	"	"	"	"	524.2
m&p-Xylene		0.9	C1, J	1	"	"	"	"	524.2
o-Xylene		0.3	C1, J	0.5	"	"	"	"	524.2
Styrene		ND	U	0.5	"	"	"	"	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		ND	U	0.5	"	"	"	"	524.2
Bromobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	0.5	"	"	"	"	524.2
Propylbenzene		ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	0.5	"	"	"	"	524.2
Naphthalene		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108018-04**								**Water - Sampled: 08/13/21 10:15**
Sample ID:	**AMCO-RMW-11-35-081321**								**Volatile Organic Compounds by EPA Method 524.2**
Surrogate: 1,2-Dichloroethane-d4			112 %	*83-116%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: Toluene-d8			98 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene			98 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			99 %	*74-113%*		"	"	"	
Sample ID:	**AMCO-RMW-11-35-081321**								**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		ND	U	1	"	B21H042	08/16/21	08/23/21	8270D
Phenol		ND	U	4.8	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	1	"	"	"	"	8270D
2-Chlorophenol		ND	U	4.8	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
Benzyl alcohol		ND	U	4.8	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
2-Methylphenol		ND	U	4.8	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	1	"	"	"	"	8270D
3&4-Methylphenol		ND	U	4.8	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	1	"	"	"	"	8270D
Hexachloroethane		ND	U	1	"	"	"	"	8270D
Nitrobenzene		ND	U	1	"	"	"	"	8270D
Isophorone		ND	U	1	"	"	"	"	8270D
2-Nitrophenol		ND	U	4.8	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	4.8	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	4.8	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	1	"	"	"	"	8270D
Naphthalene		ND	U	1	"	"	"	"	8270D
4-Chloroaniline		ND	U	4.8	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	1	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	4.8	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	1	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	4.8	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	4.8	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	4.8	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	1	"	"	"	"	8270D
2-Nitroaniline		ND	U	4.8	"	"	"	"	8270D
Dimethyl phthalate		ND	U	1	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	1	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108018-04**								**Water - Sampled: 08/13/21 10:15**
Sample ID:	**AMCO-RMW-11-35-081321**								
						Semivolatile Organic Compounds by EPA Method 8270D			
Acenaphthylene		ND	U	1	ug/L	B21H042	08/16/21	08/23/21	8270D
3-Nitroaniline		ND	U	4.8	"	"	"	"	8270D
Acenaphthene		ND	U	1	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	19	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	4.8	"	"	"	"	8270D
Dibenzofuran		ND	U	1	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Diethyl phthalate		ND	U	1	"	"	"	"	8270D
Fluorene		ND	U	1	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
4-Nitroaniline		ND	U	4.8	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	4.8	"	"	"	"	8270D
Diphenyl amine		ND	U	1	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
Hexachlorobenzene		ND	U	1	"	"	"	"	8270D
Pentachlorophenol		ND	U	19	"	"	"	"	8270D
Phenanthrene		ND	U	1	"	"	"	"	8270D
Anthracene		ND	U	1	"	"	"	"	8270D
Carbazole		ND	U	1	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	1	"	"	"	"	8270D
Fluoranthene		ND	U	1	"	"	"	"	8270D
Pyrene		ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	1	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	4.8	"	"	"	"	8270D
Chrysene		ND	U	1	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		14		1	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	1	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	1	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	1	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			47 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			**52 %**	*54-110%*		"	"	"	

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Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-04									**Water - Sampled: 08/13/21 10:15**
Sample ID: AMCO-RMW-11-35-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
Surrogate: Phenol-d5			51 %	*29-127%*		*B21H042*	*08/16/21*	*08/23/21*	
Surrogate: 2-Chlorophenol-d4			55 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			51 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			55 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			55 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			89 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			55 %	*20-179%*		"	"	"	
Lab ID: 2108018-05									**Water - Sampled: 08/13/21 12:20**
Sample ID: AMCO-X-52-081321-S									**Dissolved Metals by EPA 200 Series Methods**
Iron		200		100	ug/L	B21H052	08/17/21	09/08/21	200.7_Dissolved
Manganese		350		5	"	"	"	"	200.7_Dissolved
Arsenic		5.2		0.50	"	B21H053	08/17/21	08/24/21	200.8_Dissolved
Cobalt		0.19	C1, J	0.25	"	"	"	"	200.8_Dissolved
Nickel		2.7		1	"	"	"	"	200.8_Dissolved
Selenium	RE1	0.72	C1, J	1	"	B21I006	09/07/21	09/08/21	200.8_Dissolved
Sample ID: AMCO-X-52-081321-S									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	C3, J, U	0.5	"	B21H044	08/16/21	08/16/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride	RE1	440		50	"	B21H047	08/17/21	08/17/21	524.2
Bromomethane		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2
Chloroethane	RE2	30		5	"	B21H048	08/17/21	08/17/21	524.2
Trichlorofluoromethane		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2
1,1-Dichloroethene		3.8		0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	"	"	"	524.2
Acetone		3.6	C1, C3, J	4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		20		0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		16		2	"	"	"	"	524.2
1,1-Dichloroethane	RE2	120	J, Q2	5	"	B21H048	08/17/21	08/17/21	524.2
2,2-Dichloropropane		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2
cis-1,2-Dichloroethene	RE1	560		50	"	B21H047	08/17/21	08/17/21	524.2
2-Butanone (MEK)		ND	U	4	"	B21H044	08/16/21	08/16/21	524.2
Bromochloromethane		ND	U	0.5	"	"	"	"	524.2
Chloroform		ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane	RE2	24		5	"	B21H048	08/17/21	08/17/21	524.2
Carbon tetrachloride		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2
1,1-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Benzene		6.3		0.5	"	"	"	"	524.2
1,2-Dichloroethane		0.6		0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-05									**Water - Sampled: 08/13/21 12:20**
Sample ID: AMCO-X-52-081321-S									**Volatile Organic Compounds by EPA Method 524.2**
Trichloroethene		1.5		0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
1,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Dibromomethane		ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane		ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Toluene	RE2	61		5	"	B21H048	08/17/21	08/17/21	524.2
trans-1,3-Dichloropropene		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2
1,1,2-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene		1.2		0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
Ethylbenzene		7.5		0.5	"	"	"	"	524.2
m&p-Xylene		7.0		1	"	"	"	"	524.2
o-Xylene		10		0.5	"	"	"	"	524.2
Styrene		ND	U	0.5	"	"	"	"	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		1.2		0.5	"	"	"	"	524.2
Bromobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	0.5	"	"	"	"	524.2
Propylbenzene		1.5		0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		1.0		0.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		1.6		0.5	"	"	"	"	524.2
sec-Butylbenzene		0.3	C1, J	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene		0.5		0.5	"	"	"	"	524.2
1,4-Dichlorobenzene		0.3	C1, J	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene		1.5		0.5	"	"	"	"	524.2
Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-05									**Water - Sampled: 08/13/21 12:20**
Sample ID: AMCO-X-52-081321-S									**Volatile Organic Compounds by EPA Method 524.2**
Naphthalene		0.9		0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
1,2,3-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			107 %	*83-116%*		*"*	*"*	*"*	
Surrogate: 1,2-Dichloroethane-d4	*RE1*		102 %	*83-116%*		*B21H047*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichloroethane-d4	*RE2*		93 %	*83-116%*		*B21H048*	*08/17/21*	*08/17/21*	
Surrogate: Toluene-d8			101 %	*81-112%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: Toluene-d8	*RE1*		100 %	*81-112%*		*B21H047*	*08/17/21*	*08/17/21*	
Surrogate: Toluene-d8	*RE2*		96 %	*81-112%*		*B21H048*	*08/17/21*	*08/17/21*	
Surrogate: 4-Bromofluorobenzene			99 %	*80-110%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: 4-Bromofluorobenzene	*RE1*		108 %	*80-110%*		*B21H047*	*08/17/21*	*08/17/21*	
Surrogate: 4-Bromofluorobenzene	*RE2*		93 %	*80-110%*		*B21H048*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichlorobenzene-d4			104 %	*74-113%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		95 %	*74-113%*		*B21H047*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE2*		93 %	*74-113%*		*B21H048*	*08/17/21*	*08/17/21*	
Sample ID: AMCO-X-52-081321-S									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		0.9	C1, J	1	"	B21H042	08/16/21	08/24/21	8270D
Phenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	1	"	"	"	"	8270D
2-Chlorophenol		ND	U	5	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
Benzyl alcohol		ND	U	5	"	"	"	"	8270D
1,2-Dichlorobenzene		0.8	C1, J	1	"	"	"	"	8270D
2-Methylphenol		3.3	C1, J	5	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	1	"	"	"	"	8270D
3&4-Methylphenol		ND	U	5	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	1	"	"	"	"	8270D
Hexachloroethane		ND	U	1	"	"	"	"	8270D
Nitrobenzene		ND	U	1	"	"	"	"	8270D
Isophorone		ND	U	1	"	"	"	"	8270D
2-Nitrophenol		ND	U	5	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	5	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	1	"	"	"	"	8270D
Naphthalene		ND	U	1	"	"	"	"	8270D
4-Chloroaniline		ND	U	5	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	1	"	"	"	"	8270D

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-05									**Water - Sampled: 08/13/21 12:20**
Sample ID: AMCO-X-52-081321-S									
						Semivolatile Organic Compounds by EPA Method 8270D			
4-Chloro-3-methylphenol		4.1	C1, J	5	ug/L	B21H042	08/16/21	08/24/21	8270D
2-Methylnaphthalene		ND	U	1	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	5	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	1	"	"	"	"	8270D
2-Nitroaniline		ND	U	5	"	"	"	"	8270D
Dimethyl phthalate		ND	U	1	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Acenaphthylene		ND	U	1	"	"	"	"	8270D
3-Nitroaniline		ND	U	5	"	"	"	"	8270D
Acenaphthene		ND	U	1	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	20	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	5	"	"	"	"	8270D
Dibenzofuran		ND	U	1	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Diethyl phthalate		ND	U	1	"	"	"	"	8270D
Fluorene		ND	U	1	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
4-Nitroaniline		ND	U	5	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	5	"	"	"	"	8270D
Diphenyl amine		ND	U	1	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
Hexachlorobenzene		ND	U	1	"	"	"	"	8270D
Pentachlorophenol		ND	U	20	"	"	"	"	8270D
Phenanthrene		ND	U	1	"	"	"	"	8270D
Anthracene		ND	U	1	"	"	"	"	8270D
Carbazole		ND	U	1	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	1	"	"	"	"	8270D
Fluoranthene		ND	U	1	"	"	"	"	8270D
Pyrene		ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	1	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	5	"	"	"	"	8270D
Chrysene		ND	U	1	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		1.0		1	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	1	"	"	"	"	8270D

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Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-05									**Water - Sampled: 08/13/21 12:20**
Sample ID: AMCO-X-52-081321-S									**Semivolatile Organic Compounds by EPA Method 8270D**
Benzo(b)fluoranthene		ND	U	1	ug/L	B21H042	08/16/21	08/24/21	8270D
Benzo(k)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	1	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	1	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	1	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			43 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			**49 %**	*54-110%*		"	"	"	
Surrogate: Phenol-d5			49 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			52 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			51 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			53 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			55 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			88 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			55 %	*20-179%*		"	"	"	
Lab ID: 2108018-06									**Water - Sampled: 08/13/21 12:50**
Sample ID: AMCO-X-52-081321-D									**Dissolved Metals by EPA 200 Series Methods**
Iron		77	C1, J	100	ug/L	B21H052	08/17/21	09/08/21	200.7_Dissolved
Manganese		320		5	"	"	"	"	200.7_Dissolved
Arsenic		8.0		0.50	"	B21H053	08/17/21	08/24/21	200.8_Dissolved
Cobalt		0.24	C1, J	0.25	"	"	"	"	200.8_Dissolved
Nickel		2.4		1	"	"	"	"	200.8_Dissolved
Selenium	RE1	0.60	C1, J	1	"	B21I006	09/07/21	09/08/21	200.8_Dissolved
Sample ID: AMCO-X-52-081321-D									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	C3, J, U	0.5	"	B21H044	08/16/21	08/16/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride	RE1	130		10	"	B21H049	08/17/21	08/17/21	524.2
Bromomethane		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2
Chloroethane		21		0.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene		1.1		0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	"	"	"	524.2
Acetone		ND	C3, J, U	4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		5.5		0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		14		2	"	"	"	"	524.2
1,1-Dichloroethane	RE1	36		10	"	B21H049	08/17/21	08/17/21	524.2
2,2-Dichloropropane		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2

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Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108018-06 — **Water - Sampled: 08/13/21 12:50**

Sample ID: AMCO-X-52-081321-D

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
cis-1,2-Dichloroethene	RE1	120		10	ug/L	B21H049	08/17/21	08/17/21	524.2
2-Butanone (MEK)		ND	U	4	"	B21H044	08/16/21	08/16/21	524.2
Bromochloromethane		ND	U	0.5	"	"	"	"	524.2
Chloroform		ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane		5.7		0.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Benzene		1.8		0.5	"	"	"	"	524.2
1,2-Dichloroethane		0.4	C1, J	0.5	"	"	"	"	524.2
Trichloroethene		1.7		0.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Dibromomethane		ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane		ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Toluene		2.5		0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene		0.3	C1, J	0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
Ethylbenzene		0.3	C1, J	0.5	"	"	"	"	524.2
m&p-Xylene		ND	U	1	"	"	"	"	524.2
o-Xylene		1.7		0.5	"	"	"	"	524.2
Styrene		ND	U	0.5	"	"	"	"	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		ND	U	0.5	"	"	"	"	524.2
Bromobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	0.5	"	"	"	"	524.2
Propylbenzene		ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	0.5	"	"	"	"	524.2

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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-06									**Water - Sampled: 08/13/21 12:50**
Sample ID: AMCO-X-52-081321-D									**Volatile Organic Compounds by EPA Method 524.2**
1,2,4-Trimethylbenzene		ND	U	0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
sec-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene		0.5		0.5	"	"	"	"	524.2
Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	0.5	"	"	"	"	524.2
Naphthalene		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			114 %	*83-116%*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4	*RE1*		100 %	*83-116%*		*B21H049*	*08/17/21*	*08/17/21*	
Surrogate: Toluene-d8			98 %	*81-112%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: Toluene-d8	*RE1*		97 %	*81-112%*		*B21H049*	*08/17/21*	*08/17/21*	
Surrogate: 4-Bromofluorobenzene			100 %	*80-110%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: 4-Bromofluorobenzene	*RE1*		97 %	*80-110%*		*B21H049*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichlorobenzene-d4			104 %	*74-113%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		99 %	*74-113%*		*B21H049*	*08/17/21*	*08/17/21*	
Sample ID: AMCO-X-52-081321-D									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		0.8	C1, J	1	"	B21H042	08/16/21	08/24/21	8270D
Phenol		ND	U	4.8	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	1	"	"	"	"	8270D
2-Chlorophenol		ND	U	4.8	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
Benzyl alcohol		ND	U	4.8	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
2-Methylphenol		ND	U	4.8	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	1	"	"	"	"	8270D
3&4-Methylphenol		ND	U	4.8	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	1	"	"	"	"	8270D
Hexachloroethane		ND	U	1	"	"	"	"	8270D
Nitrobenzene		ND	U	1	"	"	"	"	8270D
Isophorone		ND	U	1	"	"	"	"	8270D
2-Nitrophenol		ND	U	4.8	"	"	"	"	8270D

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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-06									**Water - Sampled: 08/13/21 12:50**
Sample ID: AMCO-X-52-081321-D									
						Semivolatile Organic Compounds by EPA Method 8270D			
2,4-Dimethylphenol		ND	U	4.8	ug/L	B21H042	08/16/21	08/24/21	8270D
Bis(2-chloroethoxy)methane		ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	4.8	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	1	"	"	"	"	8270D
Naphthalene		ND	U	1	"	"	"	"	8270D
4-Chloroaniline		ND	U	4.8	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	1	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	4.8	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	1	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	4.8	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	4.8	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	4.8	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	1	"	"	"	"	8270D
2-Nitroaniline		ND	U	4.8	"	"	"	"	8270D
Dimethyl phthalate		ND	U	1	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Acenaphthylene		ND	U	1	"	"	"	"	8270D
3-Nitroaniline		ND	U	4.8	"	"	"	"	8270D
Acenaphthene		ND	U	1	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, C4, J, U	19	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	4.8	"	"	"	"	8270D
Dibenzofuran		ND	U	1	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Diethyl phthalate		ND	U	1	"	"	"	"	8270D
Fluorene		ND	U	1	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
4-Nitroaniline		ND	U	4.8	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	C4, J, Q3, U	4.8	"	"	"	"	8270D
Diphenyl amine		ND	U	1	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
Hexachlorobenzene		ND	U	1	"	"	"	"	8270D
Pentachlorophenol		ND	U	19	"	"	"	"	8270D
Phenanthrene		ND	U	1	"	"	"	"	8270D
Anthracene		ND	U	1	"	"	"	"	8270D
Carbazole		ND	U	1	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	1	"	"	"	"	8270D

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Sample Results

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Lab ID: 2108018-06									**Water - Sampled: 08/13/21 12:50**
Sample ID: AMCO-X-52-081321-D									**Semivolatile Organic Compounds by EPA Method 8270D**
Fluoranthene		ND	U	1	ug/L	B21H042	08/16/21	08/24/21	8270D
Pyrene		ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	1	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	4.8	"	"	"	"	8270D
Chrysene		ND	U	1	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	1	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	1	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	1	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	1	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			59 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			66 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			68 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			71 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			67 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			70 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			66 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			91 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			60 %	*20-179%*		"	"	"	
Lab ID: 2108018-07									**Water - Sampled: 08/13/21 13:15**
Sample ID: AMCO-X-52-081321-I									**Dissolved Metals by EPA 200 Series Methods**
Iron		66	C1, J	100	ug/L	B21H052	08/17/21	09/08/21	200.7_Dissolved
Manganese		330		5	"	"	"	"	200.7_Dissolved
Arsenic		6.5		0.50	"	B21H053	08/17/21	08/24/21	200.8_Dissolved
Cobalt		0.22	C1, J	0.25	"	"	"	"	200.8_Dissolved
Nickel		2.4		1	"	"	"	"	200.8_Dissolved
Selenium	RE1	0.64	C1, J	1	"	B21I006	09/07/21	09/08/21	200.8_Dissolved
Sample ID: AMCO-X-52-081321-I									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	C3, J, U	0.5	"	B21H044	08/16/21	08/16/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride	RE1	290		10	"	B21H049	08/17/21	08/17/21	524.2
Bromomethane		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2
Chloroethane	RE1	32		10	"	B21H049	08/17/21	08/17/21	524.2
Trichlorofluoromethane		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108018-07 — **Water - Sampled: 08/13/21 13:15**

Sample ID: AMCO-X-52-081321-I

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,1-Dichloroethene		1.8		0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	"	"	"	524.2
Acetone		ND	C3, J, U	4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		11		0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		15		2	"	"	"	"	524.2
1,1-Dichloroethane	RE1	74		10	"	B21H049	08/17/21	08/17/21	524.2
2,2-Dichloropropane		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2
cis-1,2-Dichloroethene	RE1	230		10	"	B21H049	08/17/21	08/17/21	524.2
2-Butanone (MEK)		ND	U	4	"	B21H044	08/16/21	08/16/21	524.2
Bromochloromethane		ND	U	0.5	"	"	"	"	524.2
Chloroform		ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane		13		0.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Benzene		3.6		0.5	"	"	"	"	524.2
1,2-Dichloroethane		0.4	C1, J	0.5	"	"	"	"	524.2
Trichloroethene		1.7		0.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Dibromomethane		ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane		ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Toluene		3.9		0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene		0.7		0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
Ethylbenzene		1.1		0.5	"	"	"	"	524.2
m&p-Xylene		0.9	C1, J	1	"	"	"	"	524.2
o-Xylene		3.9		0.5	"	"	"	"	524.2
Styrene		ND	U	0.5	"	"	"	"	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		0.5		0.5	"	"	"	"	524.2
Bromobenzene		ND	U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-07									**Water - Sampled: 08/13/21 13:15**
Sample ID: AMCO-X-52-081321-I									**Volatile Organic Compounds by EPA Method 524.2**
1,1,2,2-Tetrachloroethane		ND	U	0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
1,2,3-Trichloropropane		ND	U	0.5	"	"	"	"	524.2
Propylbenzene		0.4	C1, J	0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene		0.8		0.5	"	"	"	"	524.2
Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	0.5	"	"	"	"	524.2
Naphthalene		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			114 %	*83-116%*		*"*	*"*	*"*	
Surrogate: 1,2-Dichloroethane-d4	*RE1*		101 %	*83-116%*		*B21H049*	*08/17/21*	*08/17/21*	
Surrogate: Toluene-d8			100 %	*81-112%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: Toluene-d8	*RE1*		98 %	*81-112%*		*B21H049*	*08/17/21*	*08/17/21*	
Surrogate: 4-Bromofluorobenzene			102 %	*80-110%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: 4-Bromofluorobenzene	*RE1*		98 %	*80-110%*		*B21H049*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichlorobenzene-d4			105 %	*74-113%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		100 %	*74-113%*		*B21H049*	*08/17/21*	*08/17/21*	
Sample ID: AMCO-X-52-081321-I									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		0.9	C1, J	1	"	B21H042	08/16/21	08/24/21	8270D
Phenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	1	"	"	"	"	8270D
2-Chlorophenol		ND	U	5	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
Benzyl alcohol		ND	U	5	"	"	"	"	8270D
1,2-Dichlorobenzene		0.5	C1, J	1	"	"	"	"	8270D
2-Methylphenol		ND	U	5	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108018-07 — **Water - Sampled: 08/13/21 13:15**

Sample ID: AMCO-X-52-081321-I

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Bis(2-chloro-1-methylethyl) ether		ND	U	1	ug/L	B21H042	08/16/21	08/24/21	8270D
3&4-Methylphenol		ND	U	5	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	1	"	"	"	"	8270D
Hexachloroethane		ND	U	1	"	"	"	"	8270D
Nitrobenzene		ND	U	1	"	"	"	"	8270D
Isophorone		ND	U	1	"	"	"	"	8270D
2-Nitrophenol		ND	U	5	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	5	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	1	"	"	"	"	8270D
Naphthalene		ND	U	1	"	"	"	"	8270D
4-Chloroaniline		ND	U	5	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	1	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	5	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	1	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	5	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	1	"	"	"	"	8270D
2-Nitroaniline		ND	U	5	"	"	"	"	8270D
Dimethyl phthalate		ND	U	1	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Acenaphthylene		ND	U	1	"	"	"	"	8270D
3-Nitroaniline		ND	U	5	"	"	"	"	8270D
Acenaphthene		ND	U	1	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, C4, J, U	20	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	5	"	"	"	"	8270D
Dibenzofuran		ND	U	1	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Diethyl phthalate		ND	U	1	"	"	"	"	8270D
Fluorene		ND	U	1	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
4-Nitroaniline		ND	U	5	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	C4, J, Q3, U	5	"	"	"	"	8270D
Diphenyl amine		ND	U	1	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-07									**Water - Sampled: 08/13/21 13:15**
Sample ID: AMCO-X-52-081321-I									
						Semivolatile Organic Compounds by EPA Method 8270D			
4-Bromophenyl phenyl ether		ND	U	1	ug/L	B21H042	08/16/21	08/24/21	8270D
Hexachlorobenzene		ND	U	1	"	"	"	"	8270D
Pentachlorophenol		ND	U	20	"	"	"	"	8270D
Phenanthrene		ND	U	1	"	"	"	"	8270D
Anthracene		ND	U	1	"	"	"	"	8270D
Carbazole		ND	U	1	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	1	"	"	"	"	8270D
Fluoranthene		ND	U	1	"	"	"	"	8270D
Pyrene		ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	1	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	5	"	"	"	"	8270D
Chrysene		ND	U	1	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	1	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	1	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	1	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	1	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			37 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			**45 %**	*54-110%*		"	"	"	
Surrogate: Phenol-d5			49 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			50 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			48 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			50 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			52 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			84 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			55 %	*20-179%*		"	"	"	

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108018-08 — **Water - Sampled: 08/13/21 08:50**

Sample ID: AMCO-X-01-081321

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Dichlorodifluoromethane	RE3	ND	C3, J, U	2.5	ug/L	B21H075	08/27/21	08/27/21	524.2
Chloromethane	RE3	ND	U	2.5	"	"	"	"	524.2
Vinyl chloride	RE3	ND	U	2.5	"	"	"	"	524.2
Bromomethane	RE3	ND	U	2.5	"	"	"	"	524.2
Chloroethane	RE3	ND	J, Q6, U	2.5	"	"	"	"	524.2
Trichlorofluoromethane	RE3	ND	U	2.5	"	"	"	"	524.2
1,1-Dichloroethene	RE3	ND	U	2.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE3	ND	U	2.5	"	"	"	"	524.2
Acetone	RE3	ND	C3, J, U	20	"	"	"	"	524.2
Dichloromethane	RE3	ND	U	2.5	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE3	ND	U	2.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE3	ND	U	10	"	"	"	"	524.2
1,1-Dichloroethane	RE3	ND	U	2.5	"	"	"	"	524.2
2,2-Dichloropropane	RE3	ND	U	2.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE3	ND	U	2.5	"	"	"	"	524.2
2-Butanone (MEK)	RE3	ND	U	20	"	"	"	"	524.2
Bromochloromethane	RE3	ND	U	2.5	"	"	"	"	524.2
Chloroform	RE3	ND	U	2.5	"	"	"	"	524.2
1,1,1-Trichloroethane	RE3	ND	U	2.5	"	"	"	"	524.2
Carbon tetrachloride	RE3	ND	U	2.5	"	"	"	"	524.2
1,1-Dichloropropene	RE3	ND	U	2.5	"	"	"	"	524.2
Benzene	RE3	ND	U	2.5	"	"	"	"	524.2
1,2-Dichloroethane	RE3	ND	U	2.5	"	"	"	"	524.2
Trichloroethene	RE3	ND	U	2.5	"	"	"	"	524.2
1,2-Dichloropropane	RE3	ND	U	2.5	"	"	"	"	524.2
Dibromomethane	RE3	ND	U	2.5	"	"	"	"	524.2
Bromodichloromethane	RE3	ND	U	2.5	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE3	ND	U	2.5	"	"	"	"	524.2
Toluene	RE3	ND	U	2.5	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE3	ND	U	2.5	"	"	"	"	524.2
1,1,2-Trichloroethane	RE3	ND	U	2.5	"	"	"	"	524.2
Tetrachloroethene	RE3	ND	U	2.5	"	"	"	"	524.2
1,3-Dichloropropane	RE3	ND	J, Q4, U	2.5	"	"	"	"	524.2
Chlorodibromomethane	RE3	ND	U	2.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE3	ND	U	2.5	"	"	"	"	524.2
Chlorobenzene	RE3	2.8		2.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-08									**Water - Sampled: 08/13/21 08:50**
Sample ID: AMCO-X-01-081321									**Volatile Organic Compounds by EPA Method 524.2**
1,1,1,2-Tetrachloroethane	RE3	ND	U	2.5	ug/L	B21H075	08/27/21	08/27/21	524.2
Ethylbenzene	RE3	ND	U	2.5	"	"	"	"	524.2
m&p-Xylene	RE3	ND	U	5	"	"	"	"	524.2
o-Xylene	RE3	ND	U	2.5	"	"	"	"	524.2
Styrene	RE3	ND	U	2.5	"	"	"	"	524.2
Bromoform	RE3	ND	U	2.5	"	"	"	"	524.2
Isopropylbenzene	RE3	ND	U	2.5	"	"	"	"	524.2
Bromobenzene	RE3	ND	U	2.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE3	ND	J, Q4, U	2.5	"	"	"	"	524.2
1,2,3-Trichloropropane	RE3	ND	J, Q4, Q6, U	2.5	"	"	"	"	524.2
Propylbenzene	RE3	ND	U	2.5	"	"	"	"	524.2
2-Chlorotoluene	RE3	ND	U	2.5	"	"	"	"	524.2
4-Chlorotoluene	RE3	ND	U	2.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE3	1.3	C1, J	2.5	"	"	"	"	524.2
tert-Butylbenzene	RE3	ND	U	2.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE3	ND	U	2.5	"	"	"	"	524.2
sec-Butylbenzene	RE3	ND	U	2.5	"	"	"	"	524.2
1,3-Dichlorobenzene	RE3	ND	U	2.5	"	"	"	"	524.2
p-Isopropyltoluene	RE3	ND	U	2.5	"	"	"	"	524.2
1,4-Dichlorobenzene	RE3	ND	U	2.5	"	"	"	"	524.2
1,2-Dichlorobenzene	RE3	ND	U	2.5	"	"	"	"	524.2
Butylbenzene	RE3	ND	U	2.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE3	ND	U	10	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE3	ND	U	2.5	"	"	"	"	524.2
Hexachlorobutadiene	RE3	ND	U	2.5	"	"	"	"	524.2
Naphthalene	RE3	ND	U	2.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE3	ND	U	2.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE3*		115 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE3*		99 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE3*		101 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE3*		104 %	*74-113%*		"	"	"	
Sample ID: AMCO-X-01-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE2	ND	U, J, Q4	20	"	B21H042	08/16/21	09/01/21	8270D
Phenol		ND	U	50	"	"	"	08/25/21	8270D
Bis(2-chloroethyl)ether		ND	U	10	"	"	"	"	8270D
2-Chlorophenol		ND	U	50	"	"	"	"	8270D

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-08									**Water - Sampled: 08/13/21 08:50**
Sample ID: AMCO-X-01-081321									
						Semivolatile Organic Compounds by EPA Method 8270D			
1,3-Dichlorobenzene		ND	U	10	ug/L	B21H042	08/16/21	08/25/21	8270D
1,4-Dichlorobenzene		ND	U	10	"	"	"	"	8270D
Benzyl alcohol		ND	U	50	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	10	"	"	"	"	8270D
2-Methylphenol		ND	U	50	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	C3, J, U	10	"	"	"	"	8270D
3&4-Methylphenol		ND	U	50	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	10	"	"	"	"	8270D
Hexachloroethane		ND	U	10	"	"	"	"	8270D
Nitrobenzene		ND	U	10	"	"	"	"	8270D
Isophorone		ND	U	10	"	"	"	"	8270D
2-Nitrophenol		ND	U	50	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U, C4, J	50	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	10	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	50	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	10	"	"	"	"	8270D
Naphthalene		ND	U	10	"	"	"	"	8270D
4-Chloroaniline		ND	U	50	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	10	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	50	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	10	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	C3, J, U	50	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	50	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	50	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	10	"	"	"	"	8270D
2-Nitroaniline		ND	U	50	"	"	"	"	8270D
Dimethyl phthalate		ND	U	10	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	10	"	"	"	"	8270D
Acenaphthylene		ND	C3, J, U	10	"	"	"	"	8270D
3-Nitroaniline		ND	C3, J, U	50	"	"	"	"	8270D
Acenaphthene		ND	J, Q4, U	10	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	200	"	"	"	"	8270D
4-Nitrophenol		ND	U	50	"	"	"	"	8270D
Dibenzofuran		ND	U	10	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	10	"	"	"	"	8270D
Diethyl phthalate		ND	U	10	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108018-08**								**Water - Sampled: 08/13/21 08:50**
Sample ID:	**AMCO-X-01-081321**								
						Semivolatile Organic Compounds by EPA Method 8270D			
Fluorene		ND	U	10	ug/L	B21H042	08/16/21	08/25/21	8270D
4-Chlorophenyl phenyl ether		ND	U	10	"	"	"	"	8270D
4-Nitroaniline		ND	U	50	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	50	"	"	"	"	8270D
Diphenyl amine		ND	C3, J, U	10	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	10	"	"	"	"	8270D
Hexachlorobenzene		ND	U	10	"	"	"	"	8270D
Pentachlorophenol		ND	C4, J, U	200	"	"	"	"	8270D
Phenanthrene		ND	U	10	"	"	"	"	8270D
Anthracene		ND	U	10	"	"	"	"	8270D
Carbazole		ND	U	10	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	10	"	"	"	"	8270D
Fluoranthene		ND	U	10	"	"	"	"	8270D
Pyrene		ND	U	10	"	"	"	"	8270D
Butyl benzyl phthalate		ND	J, Q3, U	10	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	10	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	C3, C4, J, U	50	"	"	"	"	8270D
Chrysene		ND	U	10	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	10	"	"	"	"	8270D
Di-n-octyl phthalate		ND	C3, J, Q3, U	10	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	10	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	10	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	10	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	10	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	10	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	10	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			60 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			69 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			67 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			71 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			63 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			73 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			79 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			78 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			31 %	*20-179%*		"	"	"	

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108018-09**								**Water - Sampled: 08/13/21 09:50**
Sample ID:	**AMCO-RMW-03-15-081321**								**Dissolved Metals by EPA 200 Series Methods**
Iron		16,000		100	ug/L	B21H052	08/17/21	09/08/21	200.7_Dissolved
Manganese		1,000		5	"	"	"	"	200.7_Dissolved
Arsenic		8.4		0.50	"	B21H053	08/17/21	08/24/21	200.8_Dissolved
Cobalt		1.1		0.25	"	"	"	"	200.8_Dissolved
Nickel		5.0		1	"	"	"	"	200.8_Dissolved
Selenium	RE1	2.2		1	"	B21I006	09/07/21	09/08/21	200.8_Dissolved
Sample ID:	**AMCO-RMW-03-15-081321**								**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	U	1	"	B21H067	08/24/21	08/24/21	524.2
Chloromethane	RE1	ND	U	1	"	"	"	"	524.2
Vinyl chloride	RE1	ND	U	1	"	"	"	"	524.2
Bromomethane	RE1	ND	U	1	"	"	"	"	524.2
Chloroethane	RE1	ND	U	1	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	1	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	1	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	1	"	"	"	"	524.2
Acetone	RE1	ND	U	8	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	1	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	ND	U	1	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	4	"	"	"	"	524.2
1,1-Dichloroethane	RE1	ND	U	1	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	1	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	ND	U	1	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	8	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	1	"	"	"	"	524.2
Chloroform	RE1	ND	U	1	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	1	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	1	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	1	"	"	"	"	524.2
Benzene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	1	"	"	"	"	524.2
Trichloroethene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	1	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	1	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	U	1	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	1	"	"	"	"	524.2
Toluene	RE1	ND	U	1	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	U	1	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: **2108018-09** — **Water - Sampled: 08/13/21 09:50**

Sample ID: **AMCO-RMW-03-15-081321**

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,1,2-Trichloroethane	RE1	ND	U	1	ug/L	B21H067	08/24/21	08/24/21	524.2
Tetrachloroethene	RE1	ND	U	1	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	1	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	1	"	"	"	"	524.2
Chlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	1	"	"	"	"	524.2
Ethylbenzene	RE1	ND	U	1	"	"	"	"	524.2
m&p-Xylene	RE1	ND	U	2	"	"	"	"	524.2
o-Xylene	RE1	ND	U	1	"	"	"	"	524.2
Styrene	RE1	ND	U	1	"	"	"	"	524.2
Bromoform	RE1	ND	U	1	"	"	"	"	524.2
Isopropylbenzene	RE1	ND	U	1	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	1	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	1	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	1	"	"	"	"	524.2
Propylbenzene	RE1	ND	U	1	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	1	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	1	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	1	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	1	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	ND	U	1	"	"	"	"	524.2
sec-Butylbenzene	RE1	ND	U	1	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
p-Isopropyltoluene	RE1	ND	U	1	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	1	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	4	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	1	"	"	"	"	524.2
Naphthalene	RE1	ND	U	1	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	1	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		113 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE1*		90 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE1*		98 %	*80-110%*		"	"	"	

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-09									**Water - Sampled: 08/13/21 09:50**
Sample ID: AMCO-RMW-03-15-081321									**Volatile Organic Compounds by EPA Method 524.2**
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		96 %	*74-113%*		*B21H067*	*08/24/21*	*08/24/21*	
Sample ID: AMCO-RMW-03-15-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE1	44		1	"	B21H042	08/16/21	08/25/21	8270D
Phenol	RE1	ND	U	5	"	"	"	"	8270D
Bis(2-chloroethyl)ether	RE1	ND	U	1	"	"	"	"	8270D
2-Chlorophenol	RE1	ND	U	5	"	"	"	"	8270D
1,3-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	8270D
1,4-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	8270D
Benzyl alcohol	RE1	ND	U	5	"	"	"	"	8270D
1,2-Dichlorobenzene	RE1	ND	U	1	"	"	"	"	8270D
2-Methylphenol	RE1	ND	U	5	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether	RE1	ND	U	1	"	"	"	"	8270D
3&4-Methylphenol	RE1	ND	U	5	"	"	"	"	8270D
N-Nitrosodipropylamine	RE1	ND	U	1	"	"	"	"	8270D
Hexachloroethane	RE1	ND	U	1	"	"	"	"	8270D
Nitrobenzene	RE1	ND	U	1	"	"	"	"	8270D
Isophorone	RE1	ND	U	1	"	"	"	"	8270D
2-Nitrophenol	RE1	ND	U	5	"	"	"	"	8270D
2,4-Dimethylphenol	RE1	ND	U	5	"	"	"	"	8270D
Bis(2-chloroethoxy)methane	RE1	ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol	RE1	ND	U	5	"	"	"	"	8270D
1,2,4-Trichlorobenzene	RE1	ND	U	1	"	"	"	"	8270D
Naphthalene	RE1	ND	U	1	"	"	"	"	8270D
4-Chloroaniline	RE1	ND	U	5	"	"	"	"	8270D
Hexachlorobutadiene	RE1	ND	U	1	"	"	"	"	8270D
4-Chloro-3-methylphenol	RE1	ND	J, Q3, U	5	"	"	"	"	8270D
2-Methylnaphthalene	RE1	ND	U	1	"	"	"	"	8270D
Hexachlorocyclopentadiene	RE1	ND	U	5	"	"	"	"	8270D
2,4,6-Trichlorophenol	RE1	ND	U	5	"	"	"	"	8270D
2,4,5-Trichlorophenol	RE1	ND	U	5	"	"	"	"	8270D
2-Chloronaphthalene	RE1	ND	U	1	"	"	"	"	8270D
2-Nitroaniline	RE1	ND	U	5	"	"	"	"	8270D
Dimethyl phthalate	RE1	ND	U	1	"	"	"	"	8270D
2,6-Dinitrotoluene	RE1	ND	U	1	"	"	"	"	8270D
Acenaphthylene	RE1	ND	U	1	"	"	"	"	8270D
3-Nitroaniline	RE1	ND	U	5	"	"	"	"	8270D
Acenaphthene	RE1	ND	U	1	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108018-09 — **Water - Sampled: 08/13/21 09:50**

Sample ID: AMCO-RMW-03-15-081321

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
2,4-Dinitrophenol	RE1	ND	C3, C4, J, U	20	ug/L	B21H042	08/16/21	08/25/21	8270D
4-Nitrophenol	RE1	ND	C3, J, U	5	"	"	"	"	8270D
Dibenzofuran	RE1	ND	U	1	"	"	"	"	8270D
2,4-Dinitrotoluene	RE1	ND	U	1	"	"	"	"	8270D
Diethyl phthalate	RE1	1.0		1	"	"	"	"	8270D
Fluorene	RE1	ND	U	1	"	"	"	"	8270D
4-Chlorophenyl phenyl ether	RE1	ND	U	1	"	"	"	"	8270D
4-Nitroaniline	RE1	ND	U	5	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol	RE1	ND	U	5	"	"	"	"	8270D
Diphenyl amine	RE1	ND	U	1	"	"	"	"	8270D
4-Bromophenyl phenyl ether	RE1	ND	U	1	"	"	"	"	8270D
Hexachlorobenzene	RE1	ND	U	1	"	"	"	"	8270D
Pentachlorophenol	RE1	ND	C4, J, U	20	"	"	"	"	8270D
Phenanthrene	RE1	ND	U	1	"	"	"	"	8270D
Anthracene	RE1	ND	U	1	"	"	"	"	8270D
Carbazole	RE1	ND	U	1	"	"	"	"	8270D
Di-n-butyl phthalate	RE1	ND	U	1	"	"	"	"	8270D
Fluoranthene	RE1	ND	U	1	"	"	"	"	8270D
Pyrene	RE1	ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate	RE1	ND	U	1	"	"	"	"	8270D
Benzo(a)anthracene	RE1	ND	U	1	"	"	"	"	8270D
3,3'-Dichlorobenzidine	RE1	ND	U	5	"	"	"	"	8270D
Chrysene	RE1	ND	U	1	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate	RE1	0.5	C1, C4, J	1	"	"	"	"	8270D
Di-n-octyl phthalate	RE1	ND	U	1	"	"	"	"	8270D
Benzo(b)fluoranthene	RE1	ND	U	1	"	"	"	"	8270D
Benzo(k)fluoranthene	RE1	ND	U	1	"	"	"	"	8270D
Benzo(a)pyrene	RE1	ND	U	1	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene	RE1	ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene	RE1	ND	U	1	"	"	"	"	8270D
Benzo(g,h,i)perylene	RE1	ND	U	1	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8	*RE1*	62 %		*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol	*RE1*	73 %		*54-110%*		"	"	"	
Surrogate: Phenol-d5	*RE1*	79 %		*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4	*RE1*	79 %		*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*	63 %		*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5	*RE1*	81 %		*35-111%*		"	"	"	

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-09									**Water - Sampled: 08/13/21 09:50**
Sample ID: AMCO-RMW-03-15-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
Surrogate: 2-Fluorobiphenyl	*RE1*		78 %	*32-115%*		*B21H042*	*08/16/21*	*08/25/21*	
Surrogate: 2,4,6-Tribromophenol	*RE1*		93 %	*37-150%*		*"*	*"*	*"*	
Surrogate: Terphenyl-d14	*RE1*		54 %	*20-179%*		*"*	*"*	*"*	
Lab ID: 2108018-10									**Water - Sampled: 08/13/21 11:00**
Sample ID: AMCO-RMW-08-15-081321									**Dissolved Metals by EPA 200 Series Methods**
Arsenic		180		20	ug/L	B21H052	08/17/21	09/08/21	200.7_Dissolved
Iron		15,000		100	"	"	"	"	200.7_Dissolved
Manganese		3,700		5	"	"	"	"	200.7_Dissolved
Cobalt		0.63		0.25	"	B21H053	08/17/21	08/24/21	200.8_Dissolved
Nickel		5.9		1	"	"	"	"	200.8_Dissolved
Selenium	RE1	1.3		1	"	B21I006	09/07/21	09/08/21	200.8_Dissolved
Sample ID: AMCO-RMW-08-15-081321									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	C3, J, U	0.5	"	B21H044	08/16/21	08/16/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride		1.1		0.5	"	"	"	"	524.2
Bromomethane		ND	U	0.5	"	"	"	"	524.2
Chloroethane		ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	"	"	"	524.2
Acetone		2.5	C1, C3, J	4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		0.5		0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene		1.4		0.5	"	"	"	"	524.2
2-Butanone (MEK)		ND	U	4	"	"	"	"	524.2
Bromochloromethane		ND	U	0.5	"	"	"	"	524.2
Chloroform		ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Benzene		4.6		0.5	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
Trichloroethene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Dibromomethane		ND	U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108018-10 — **Water - Sampled: 08/13/21 11:00**

Sample ID: AMCO-RMW-08-15-081321

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Bromodichloromethane		ND	U	0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
cis-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Toluene		ND	U	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene	RE1	1,100		100	"	B21H050	08/17/21	08/17/21	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2
Ethylbenzene		ND	U	0.5	"	"	"	"	524.2
m&p-Xylene		ND	U	1	"	"	"	"	524.2
o-Xylene		ND	U	0.5	"	"	"	"	524.2
Styrene		ND	U	0.5	"	"	"	"	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		ND	U	0.5	"	"	"	"	524.2
Bromobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	0.5	"	"	"	"	524.2
Propylbenzene		ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene		0.7		0.5	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene		6.1		0.5	"	"	"	"	524.2
1,2-Dichlorobenzene		5.1		0.5	"	"	"	"	524.2
Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	0.5	"	"	"	"	524.2
Naphthalene		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-10									**Water - Sampled: 08/13/21 11:00**
Sample ID: AMCO-RMW-08-15-081321									**Volatile Organic Compounds by EPA Method 524.2**
Surrogate: 1,2-Dichloroethane-d4			102 %	*83-116%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: 1,2-Dichloroethane-d4	*RE1*		113 %	*83-116%*		*B21H050*	*08/17/21*	*08/17/21*	
Surrogate: Toluene-d8			100 %	*81-112%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: Toluene-d8	*RE1*		98 %	*81-112%*		*B21H050*	*08/17/21*	*08/17/21*	
Surrogate: 4-Bromofluorobenzene			92 %	*80-110%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: 4-Bromofluorobenzene	*RE1*		99 %	*80-110%*		*B21H050*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichlorobenzene-d4			94 %	*74-113%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		99 %	*74-113%*		*B21H050*	*08/17/21*	*08/17/21*	
Sample ID: AMCO-RMW-08-15-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		2.9		1	"	B21H042	08/16/21	08/24/21	8270D
Phenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	1	"	"	"	"	8270D
2-Chlorophenol		5.3		5	"	"	"	"	8270D
1,3-Dichlorobenzene		0.6	C1, J	1	"	"	"	"	8270D
1,4-Dichlorobenzene		4.9		1	"	"	"	"	8270D
Benzyl alcohol		ND	U	5	"	"	"	"	8270D
1,2-Dichlorobenzene		4.2		1	"	"	"	"	8270D
2-Methylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	1	"	"	"	"	8270D
3&4-Methylphenol		ND	U	5	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	1	"	"	"	"	8270D
Hexachloroethane		ND	U	1	"	"	"	"	8270D
Nitrobenzene		ND	U	1	"	"	"	"	8270D
Isophorone		ND	U	1	"	"	"	"	8270D
2-Nitrophenol		ND	U	5	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	5	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	1	"	"	"	"	8270D
Naphthalene		ND	U	1	"	"	"	"	8270D
4-Chloroaniline		ND	U	5	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	1	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	5	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	1	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	5	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	1	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108018-10 — **Water - Sampled: 08/13/21 11:00**

Sample ID: AMCO-RMW-08-15-081321

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Semivolatile Organic Compounds by EPA Method 8270D									
2-Nitroaniline		ND	U	5	ug/L	B21H042	08/16/21	08/24/21	8270D
Dimethyl phthalate		ND	U	1	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Acenaphthylene		ND	U	1	"	"	"	"	8270D
3-Nitroaniline		ND	U	5	"	"	"	"	8270D
Acenaphthene		ND	U	1	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, C4, J, U	20	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	5	"	"	"	"	8270D
Dibenzofuran		ND	U	1	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Diethyl phthalate		ND	U	1	"	"	"	"	8270D
Fluorene		ND	U	1	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
4-Nitroaniline		ND	U	5	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U, C4, J, Q3	5	"	"	"	"	8270D
Diphenyl amine		ND	U	1	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
Hexachlorobenzene		ND	U	1	"	"	"	"	8270D
Pentachlorophenol		ND	U	20	"	"	"	"	8270D
Phenanthrene		ND	U	1	"	"	"	"	8270D
Anthracene		ND	U	1	"	"	"	"	8270D
Carbazole		ND	U	1	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	1	"	"	"	"	8270D
Fluoranthene		ND	U	1	"	"	"	"	8270D
Pyrene		ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	1	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	5	"	"	"	"	8270D
Chrysene		ND	U	1	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		0.7	C1, J	1	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	1	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	1	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-10									**Water - Sampled: 08/13/21 11:00**
Sample ID: AMCO-RMW-08-15-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
Benzo(g,h,i)perylene		ND	U	1	ug/L	B21H042	08/16/21	08/24/21	8270D
Surrogate: 1,4-Dioxane-d8			62 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			69 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			74 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			77 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			61 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			75 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			71 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			97 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			53 %	*20-179%*		"	"	"	
Lab ID: 2108018-11									**Water - Sampled: 08/13/21 12:30**
Sample ID: AMCO-RMW-08-35-081321									**Dissolved Metals by EPA 200 Series Methods**
Iron		420		100	ug/L	B21H052	08/17/21	09/08/21	200.7_Dissolved
Manganese		840		5	"	"	"	"	200.7_Dissolved
Arsenic	RE2	1.6		0.50	"	B21I006	09/07/21	09/09/21	200.8_Dissolved
Cobalt		3.8		0.25	"	B21H053	08/17/21	08/24/21	200.8_Dissolved
Nickel		23		1	"	"	"	"	200.8_Dissolved
Selenium	RE1	2.2		1	"	B21I006	09/07/21	09/08/21	200.8_Dissolved
Sample ID: AMCO-RMW-08-35-081321									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	C3, J, U	0.5	"	B21H044	08/16/21	08/16/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride		0.6		0.5	"	"	"	"	524.2
Bromomethane		ND	U	0.5	"	"	"	"	524.2
Chloroethane		ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	"	"	"	524.2
Acetone		ND	C3, J, U	4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		2.3		0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	26		12	"	B21H047	08/17/21	08/17/21	524.2
2-Butanone (MEK)		ND	U	4	"	B21H044	08/16/21	08/16/21	524.2
Bromochloromethane		ND	U	0.5	"	"	"	"	524.2
Chloroform		ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-11									**Water - Sampled: 08/13/21 12:30**
Sample ID: AMCO-RMW-08-35-081321									**Volatile Organic Compounds by EPA Method 524.2**
Carbon tetrachloride		ND	U	0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
1,1-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Benzene		1.0		0.5	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
Trichloroethene		16		0.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Dibromomethane		ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane		ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Toluene		ND	U	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene		5.4		0.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene	RE1	180		12	"	B21H047	08/17/21	08/17/21	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2
Ethylbenzene		ND	U	0.5	"	"	"	"	524.2
m&p-Xylene		ND	U	1	"	"	"	"	524.2
o-Xylene		ND	U	0.5	"	"	"	"	524.2
Styrene		ND	U	0.5	"	"	"	"	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		ND	U	0.5	"	"	"	"	524.2
Bromobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	0.5	"	"	"	"	524.2
Propylbenzene		ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene		1.2		0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-11									**Water - Sampled: 08/13/21 12:30**
Sample ID: AMCO-RMW-08-35-081321									**Volatile Organic Compounds by EPA Method 524.2**
1,2-Dichlorobenzene		6.5		0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	0.5	"	"	"	"	524.2
Naphthalene		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			105 %	*83-116%*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4	*RE1*		101 %	*83-116%*		*B21H047*	*08/17/21*	*08/17/21*	
Surrogate: Toluene-d8			102 %	*81-112%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: Toluene-d8	*RE1*		100 %	*81-112%*		*B21H047*	*08/17/21*	*08/17/21*	
Surrogate: 4-Bromofluorobenzene			96 %	*80-110%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: 4-Bromofluorobenzene	*RE1*		108 %	*80-110%*		*B21H047*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichlorobenzene-d4			97 %	*74-113%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		96 %	*74-113%*		*B21H047*	*08/17/21*	*08/17/21*	
Sample ID: AMCO-RMW-08-35-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		1.0		1	"	B21H042	08/16/21	08/24/21	8270D
Phenol		ND	U	4.8	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	1	"	"	"	"	8270D
2-Chlorophenol		ND	U	4.8	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
1,4-Dichlorobenzene		0.9	C1, J	1	"	"	"	"	8270D
Benzyl alcohol		ND	U	4.8	"	"	"	"	8270D
1,2-Dichlorobenzene		4.2		1	"	"	"	"	8270D
2-Methylphenol		ND	U	4.8	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	1	"	"	"	"	8270D
3&4-Methylphenol		ND	U	4.8	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	1	"	"	"	"	8270D
Hexachloroethane		ND	U	1	"	"	"	"	8270D
Nitrobenzene		ND	U	1	"	"	"	"	8270D
Isophorone		ND	U	1	"	"	"	"	8270D
2-Nitrophenol		ND	U	4.8	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	4.8	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	4.8	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	1	"	"	"	"	8270D
Naphthalene		ND	U	1	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108018-11**								**Water - Sampled: 08/13/21 12:30**
Sample ID:	**AMCO-RMW-08-35-081321**								
						Semivolatile Organic Compounds by EPA Method 8270D			
4-Chloroaniline		ND	U	4.8	ug/L	B21H042	08/16/21	08/24/21	8270D
Hexachlorobutadiene		ND	U	1	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	4.8	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	1	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	4.8	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	4.8	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	4.8	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	1	"	"	"	"	8270D
2-Nitroaniline		ND	U	4.8	"	"	"	"	8270D
Dimethyl phthalate		ND	U	1	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Acenaphthylene		ND	U	1	"	"	"	"	8270D
3-Nitroaniline		ND	U	4.8	"	"	"	"	8270D
Acenaphthene		ND	U	1	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, C4, J, U	19	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	4.8	"	"	"	"	8270D
Dibenzofuran		ND	U	1	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Diethyl phthalate		ND	U	1	"	"	"	"	8270D
Fluorene		ND	U	1	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
4-Nitroaniline		ND	U	4.8	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U, C4, J, Q3	4.8	"	"	"	"	8270D
Diphenyl amine		ND	U	1	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
Hexachlorobenzene		ND	U	1	"	"	"	"	8270D
Pentachlorophenol		ND	U	19	"	"	"	"	8270D
Phenanthrene		ND	U	1	"	"	"	"	8270D
Anthracene		ND	U	1	"	"	"	"	8270D
Carbazole		ND	U	1	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	1	"	"	"	"	8270D
Fluoranthene		ND	U	1	"	"	"	"	8270D
Pyrene		ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	1	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	4.8	"	"	"	"	8270D

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Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108018-11**								**Water - Sampled: 08/13/21 12:30**
Sample ID:	**AMCO-RMW-08-35-081321**								
						Semivolatile Organic Compounds by EPA Method 8270D			
Chrysene		ND	U	1	ug/L	B21H042	08/16/21	08/24/21	8270D
Bis(2-ethylhexyl) phthalate		ND	U	1	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	1	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	1	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	1	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			51 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			61 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			70 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			69 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			52 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			66 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			68 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			91 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			48 %	*20-179%*		"	"	"	
Lab ID:	**2108018-12**								**Water - Sampled: 08/13/21 13:20**
Sample ID:	**AMCO-RMW-15-15-081321**								
						Volatile Organic Compounds by EPA Method 524.2			
Dichlorodifluoromethane		ND	C3, J, U	0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride		ND	U	0.5	"	"	"	"	524.2
Bromomethane		ND	U	0.5	"	"	"	"	524.2
Chloroethane		ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	"	"	"	524.2
Acetone		2.3	C1, C3, J	4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	2	"	"	"	"	524.2
1,1-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
2-Butanone (MEK)		ND	U	4	"	"	"	"	524.2
Bromochloromethane		ND	U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108018-12 — **Water - Sampled: 08/13/21 13:20**

Sample ID: AMCO-RMW-15-15-081321

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Chloroform		ND	U	0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
1,1,1-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Benzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
Trichloroethene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Dibromomethane		ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane		ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Toluene		ND	U	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene		0.6		0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
Ethylbenzene		ND	U	0.5	"	"	"	"	524.2
m&p-Xylene		ND	U	1	"	"	"	"	524.2
o-Xylene		ND	U	0.5	"	"	"	"	524.2
Styrene		ND	U	0.5	"	"	"	"	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		ND	U	0.5	"	"	"	"	524.2
Bromobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	0.5	"	"	"	"	524.2
Propylbenzene		ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene		ND	U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108018-12**								**Water - Sampled: 08/13/21 13:20**
Sample ID:	**AMCO-RMW-15-15-081321**								**Volatile Organic Compounds by EPA Method 524.2**
1,3-Dichlorobenzene		ND	U	0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
p-Isopropyltoluene		ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	0.5	"	"	"	"	524.2
Naphthalene		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			109 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8			100 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene			100 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			99 %	*74-113%*		"	"	"	
Sample ID:	**AMCO-RMW-15-15-081321**								**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		ND	U	1	"	B21H042	08/16/21	08/24/21	8270D
Phenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	1	"	"	"	"	8270D
2-Chlorophenol		ND	U	5	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
Benzyl alcohol		ND	U	5	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
2-Methylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	1	"	"	"	"	8270D
3&4-Methylphenol		ND	U	5	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	1	"	"	"	"	8270D
Hexachloroethane		ND	U	1	"	"	"	"	8270D
Nitrobenzene		ND	U	1	"	"	"	"	8270D
Isophorone		ND	U	1	"	"	"	"	8270D
2-Nitrophenol		ND	U	5	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	5	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	1	"	"	"	"	8270D
Naphthalene		ND	U	1	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108018-12**								**Water - Sampled: 08/13/21 13:20**
Sample ID:	**AMCO-RMW-15-15-081321**								
						Semivolatile Organic Compounds by EPA Method 8270D			
4-Chloroaniline		ND	U	5	ug/L	B21H042	08/16/21	08/24/21	8270D
Hexachlorobutadiene		ND	U	1	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	5	"	"	"	"	8270D
2-Methylnaphthalene		ND	U	1	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	5	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	1	"	"	"	"	8270D
2-Nitroaniline		ND	U	5	"	"	"	"	8270D
Dimethyl phthalate		ND	U	1	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Acenaphthylene		ND	U	1	"	"	"	"	8270D
3-Nitroaniline		ND	U	5	"	"	"	"	8270D
Acenaphthene		ND	U	1	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, C4, J, U	20	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	5	"	"	"	"	8270D
Dibenzofuran		ND	U	1	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Diethyl phthalate		0.5	C1, J	1	"	"	"	"	8270D
Fluorene		ND	U	1	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
4-Nitroaniline		ND	U	5	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U, C4, J, Q3	5	"	"	"	"	8270D
Diphenyl amine		ND	U	1	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
Hexachlorobenzene		ND	U	1	"	"	"	"	8270D
Pentachlorophenol		ND	U	20	"	"	"	"	8270D
Phenanthrene		ND	U	1	"	"	"	"	8270D
Anthracene		ND	U	1	"	"	"	"	8270D
Carbazole		ND	U	1	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	1	"	"	"	"	8270D
Fluoranthene		ND	U	1	"	"	"	"	8270D
Pyrene		ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	1	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	5	"	"	"	"	8270D

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108018-12**								**Water - Sampled: 08/13/21 13:20**
Sample ID:	**AMCO-RMW-15-15-081321**								**Semivolatile Organic Compounds by EPA Method 8270D**
Chrysene		ND	U	1	ug/L	B21H042	08/16/21	08/24/21	8270D
Bis(2-ethylhexyl) phthalate		ND	U	1	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	1	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	1	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	1	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			47 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			56 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			64 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			63 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			56 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			62 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			69 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			89 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			72 %	*20-179%*		"	"	"	
Lab ID:	**2108018-13**								**Water - Sampled: 08/13/21 14:05**
Sample ID:	**AMCO-RMW-15-35-081321**								**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	C3, J, U	0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride		0.4	C1, J	0.5	"	"	"	"	524.2
Bromomethane		ND	U	0.5	"	"	"	"	524.2
Chloroethane		ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	"	"	"	524.2
Acetone		2.8	C1, C3, J	4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		1.4		0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		3.5		2	"	"	"	"	524.2
1,1-Dichloroethane		0.3	C1, J	0.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene		12		0.5	"	"	"	"	524.2
2-Butanone (MEK)		ND	U	4	"	"	"	"	524.2
Bromochloromethane		ND	U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108018-13**								**Water - Sampled: 08/13/21 14:05**
Sample ID:	**AMCO-RMW-15-35-081321**								
							Volatile Organic Compounds by EPA Method 524.2		
Chloroform		ND	U	0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
1,1,1-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Benzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
Trichloroethene		4.2		0.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Dibromomethane		ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane		ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Toluene		ND	U	0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene		0.9		0.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene		3.2		0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
Ethylbenzene		ND	U	0.5	"	"	"	"	524.2
m&p-Xylene		ND	U	1	"	"	"	"	524.2
o-Xylene		ND	U	0.5	"	"	"	"	524.2
Styrene		ND	U	0.5	"	"	"	"	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		ND	U	0.5	"	"	"	"	524.2
Bromobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	0.5	"	"	"	"	524.2
Propylbenzene		ND	U	0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108018-13**								**Water - Sampled: 08/13/21 14:05**
Sample ID:	**AMCO-RMW-15-35-081321**								**Volatile Organic Compounds by EPA Method 524.2**
p-Isopropyltoluene		ND	U	0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
1,4-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene		1.0		0.5	"	"	"	"	524.2
Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	0.5	"	"	"	"	524.2
Naphthalene		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			112 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8			100 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene			100 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			100 %	*74-113%*		"	"	"	
Sample ID:	**AMCO-RMW-15-35-081321**								**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane		1.4		1	"	B21H042	08/16/21	08/24/21	8270D
Phenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethyl)ether		ND	U	1	"	"	"	"	8270D
2-Chlorophenol		ND	U	5	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	1	"	"	"	"	8270D
Benzyl alcohol		ND	U	5	"	"	"	"	8270D
1,2-Dichlorobenzene		0.8	C1, J	1	"	"	"	"	8270D
2-Methylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	1	"	"	"	"	8270D
3&4-Methylphenol		ND	U	5	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	1	"	"	"	"	8270D
Hexachloroethane		ND	U	1	"	"	"	"	8270D
Nitrobenzene		ND	U	1	"	"	"	"	8270D
Isophorone		ND	U	1	"	"	"	"	8270D
2-Nitrophenol		ND	U	5	"	"	"	"	8270D
2,4-Dimethylphenol		ND	U	5	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	1	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	5	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	1	"	"	"	"	8270D
Naphthalene		ND	U	1	"	"	"	"	8270D
4-Chloroaniline		ND	U	5	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	1	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108018-13**								**Water - Sampled: 08/13/21 14:05**
Sample ID:	**AMCO-RMW-15-35-081321**								
						Semivolatile Organic Compounds by EPA Method 8270D			
4-Chloro-3-methylphenol		ND	U	5	ug/L	B21H042	08/16/21	08/24/21	8270D
2-Methylnaphthalene		ND	U	1	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	5	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	5	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	1	"	"	"	"	8270D
2-Nitroaniline		ND	U	5	"	"	"	"	8270D
Dimethyl phthalate		ND	U	1	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Acenaphthylene		ND	U	1	"	"	"	"	8270D
3-Nitroaniline		ND	U	5	"	"	"	"	8270D
Acenaphthene		ND	U	1	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, C4, J, U	20	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	5	"	"	"	"	8270D
Dibenzofuran		0.6	C1, J	1	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	1	"	"	"	"	8270D
Diethyl phthalate		ND	U	1	"	"	"	"	8270D
Fluorene		ND	U	1	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
4-Nitroaniline		ND	U	5	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U, C4, J, Q3	5	"	"	"	"	8270D
Diphenyl amine		ND	U	1	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	1	"	"	"	"	8270D
Hexachlorobenzene		ND	U	1	"	"	"	"	8270D
Pentachlorophenol		ND	U	20	"	"	"	"	8270D
Phenanthrene		ND	U	1	"	"	"	"	8270D
Anthracene		ND	U	1	"	"	"	"	8270D
Carbazole		ND	U	1	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	1	"	"	"	"	8270D
Fluoranthene		ND	U	1	"	"	"	"	8270D
Pyrene		ND	U	1	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	1	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	1	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	5	"	"	"	"	8270D
Chrysene		ND	U	1	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	1	"	"	"	"	8270D

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Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-13									**Water - Sampled: 08/13/21 14:05**
Sample ID: AMCO-RMW-15-35-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
Di-n-octyl phthalate		ND	U	1	ug/L	B21H042	08/16/21	08/24/21	8270D
Benzo(b)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	1	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	1	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	1	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	1	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	1	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			61 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			66 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			70 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			70 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			66 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			75 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			73 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			94 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			57 %	*20-179%*		"	"	"	
Lab ID: 2108018-14									**Water - Sampled: 08/13/21 14:25**
Sample ID: AMCO-X-14-081321									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	U	10	ug/L	B21H043	08/16/21	08/16/21	524.2
Chloromethane		ND	U	10	"	"	"	"	524.2
Vinyl chloride		ND	U	10	"	"	"	"	524.2
Bromomethane		ND	C4, J, Q2, Q3, U	10	"	"	"	"	524.2
Chloroethane		ND	U	10	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	10	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	10	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	10	"	"	"	"	524.2
Acetone		240		80	"	"	"	"	524.2
Dichloromethane		ND	U	10	"	"	"	"	524.2
trans-1,2-Dichloroethene		ND	U	10	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	40	"	"	"	"	524.2
1,1-Dichloroethane		ND	U	10	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	10	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE2	1,000		25	"	B21H050	08/17/21	08/17/21	524.2
2-Butanone (MEK)		ND	U	80	"	B21H043	08/16/21	08/16/21	524.2
Bromochloromethane		ND	U	10	"	"	"	"	524.2
Chloroform		ND	U	10	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	U	10	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-14									**Water - Sampled: 08/13/21 14:25**
Sample ID: AMCO-X-14-081321									**Volatile Organic Compounds by EPA Method 524.2**
Carbon tetrachloride		ND	U	10	ug/L	B21H043	08/16/21	08/16/21	524.2
1,1-Dichloropropene		ND	U	10	"	"	"	"	524.2
Benzene		ND	U	10	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	10	"	"	"	"	524.2
Trichloroethene		ND	U	10	"	"	"	"	524.2
1,2-Dichloropropane		ND	J, Q2, U	10	"	"	"	"	524.2
Dibromomethane		ND	J, Q2, U	10	"	"	"	"	524.2
Bromodichloromethane		ND	C3, J, U	10	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	10	"	"	"	"	524.2
Toluene		58		10	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	C3, J, U	10	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	10	"	"	"	"	524.2
Tetrachloroethene		ND	U	10	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	10	"	"	"	"	524.2
Chlorodibromomethane		ND	U	10	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	10	"	"	"	"	524.2
Chlorobenzene		27		10	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	10	"	"	"	"	524.2
Ethylbenzene		14		10	"	"	"	"	524.2
m&p-Xylene		53		20	"	"	"	"	524.2
o-Xylene		21		10	"	"	"	"	524.2
Styrene		ND	U	10	"	"	"	"	524.2
Bromoform		ND	C3, J, U	10	"	"	"	"	524.2
Isopropylbenzene		ND	U	10	"	"	"	"	524.2
Bromobenzene		ND	U	10	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	10	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	10	"	"	"	"	524.2
Propylbenzene		ND	U	10	"	"	"	"	524.2
2-Chlorotoluene		ND	U	10	"	"	"	"	524.2
4-Chlorotoluene		ND	U	10	"	"	"	"	524.2
1,3,5-Trimethylbenzene		7.0	C1, J	10	"	"	"	"	524.2
tert-Butylbenzene		ND	U	10	"	"	"	"	524.2
1,2,4-Trimethylbenzene		26		10	"	"	"	"	524.2
sec-Butylbenzene		ND	U	10	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	10	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	10	"	"	"	"	524.2
1,4-Dichlorobenzene		ND	U	10	"	"	"	"	524.2

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-14									**Water - Sampled: 08/13/21 14:25**
Sample ID: AMCO-X-14-081321									**Volatile Organic Compounds by EPA Method 524.2**
1,2-Dichlorobenzene		28		10	ug/L	B21H043	08/16/21	08/16/21	524.2
Butylbenzene		ND	U	10	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	40	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	10	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	10	"	"	"	"	524.2
Naphthalene		49		10	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	10	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			94 %	*83-116%*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4	*RE2*		110 %	*83-116%*		*B21H050*	*08/17/21*	*08/17/21*	
Surrogate: Toluene-d8			97 %	*81-112%*		*B21H043*	*08/16/21*	*08/16/21*	
Surrogate: Toluene-d8	*RE2*		101 %	*81-112%*		*B21H050*	*08/17/21*	*08/17/21*	
Surrogate: 4-Bromofluorobenzene			98 %	*80-110%*		*B21H043*	*08/16/21*	*08/16/21*	
Surrogate: 4-Bromofluorobenzene	*RE2*		102 %	*80-110%*		*B21H050*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichlorobenzene-d4			99 %	*74-113%*		*B21H043*	*08/16/21*	*08/16/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE2*		103 %	*74-113%*		*B21H050*	*08/17/21*	*08/17/21*	
Sample ID: AMCO-X-14-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE3	200	A3, J	41	"	B21I003	09/02/21	09/13/21	8270D
Phenol	RE2	ND	A3, J, U	10	"	"	"	09/08/21	8270D
Bis(2-chloroethyl)ether	RE2	ND	A3, J, U	2	"	"	"	"	8270D
2-Chlorophenol	RE2	ND	A3, J, U	10	"	"	"	"	8270D
1,3-Dichlorobenzene	RE2	ND	A3, J, U	2	"	"	"	"	8270D
1,4-Dichlorobenzene	RE2	1.8	A3, C1, J	2	"	"	"	"	8270D
Benzyl alcohol	RE2	ND	U, A3, J	10	"	"	"	"	8270D
1,2-Dichlorobenzene	RE2	28	J, A3	2	"	"	"	"	8270D
2-Methylphenol	RE2	150	A3, J	10	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether	RE2	ND	A3, C3, J, U	2	"	"	"	"	8270D
3&4-Methylphenol	RE2	ND	A3, J, U	10	"	"	"	"	8270D
N-Nitrosodipropylamine	RE2	ND	A3, J, U	2	"	"	"	"	8270D
Hexachloroethane	RE2	ND	A3, J, U	2	"	"	"	"	8270D
Nitrobenzene	RE2	ND	A3, J, U	2	"	"	"	"	8270D
Isophorone	RE2	ND	A3, J, U	2	"	"	"	"	8270D
2-Nitrophenol	RE2	ND	U, A3, J	10	"	"	"	"	8270D
2,4-Dimethylphenol	RE3	580	A3, J	200	"	"	"	09/13/21	8270D
Bis(2-chloroethoxy)methane	RE2	ND	A3, J, U	2	"	"	"	09/08/21	8270D
2,4-Dichlorophenol	RE2	ND	A3, J, U	10	"	"	"	"	8270D
1,2,4-Trichlorobenzene	RE2	ND	U, A3, J	2	"	"	"	"	8270D
Naphthalene	RE2	47	A3, J	2	"	"	"	"	8270D
4-Chloroaniline	RE2	ND	A3, J, U	10	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108018-14 — **Water - Sampled: 08/13/21 14:25**

Sample ID: AMCO-X-14-081321

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Hexachlorobutadiene	RE2	ND	A3, J, U	2	ug/L	B21I003	09/02/21	09/08/21	8270D
4-Chloro-3-methylphenol	RE2	ND	A3, J, U	10	"	"	"	"	8270D
2-Methylnaphthalene	RE2	73	A3, J	2	"	"	"	"	8270D
Hexachlorocyclopentadiene	RE2	ND	A3, J, U	10	"	"	"	"	8270D
2,4,6-Trichlorophenol	RE2	ND	A3, J, U	10	"	"	"	"	8270D
2,4,5-Trichlorophenol	RE2	ND	A3, U	10	"	"	"	"	8270D
2-Chloronaphthalene	RE2	ND	A3, J, U	2	"	"	"	"	8270D
2-Nitroaniline	RE2	ND	A3, J, U	10	"	"	"	"	8270D
Dimethyl phthalate	RE2	ND	A3, J, U	2	"	"	"	"	8270D
2,6-Dinitrotoluene	RE2	ND	A3, J, U	2	"	"	"	"	8270D
Acenaphthylene	RE2	ND	A3, J, U	2	"	"	"	"	8270D
3-Nitroaniline	RE2	ND	U, A3, J	10	"	"	"	"	8270D
Acenaphthene	RE2	ND	A3, J, U	2	"	"	"	"	8270D
2,4-Dinitrophenol	RE2	ND	A3, C3, C4, J, U	41	"	"	"	"	8270D
4-Nitrophenol	RE2	ND	A3, J, U	10	"	"	"	"	8270D
Dibenzofuran	RE2	ND	A3, J, U	2	"	"	"	"	8270D
2,4-Dinitrotoluene	RE2	ND	U, A3, J	2	"	"	"	"	8270D
Diethyl phthalate	RE2	ND	A3, J, U	2	"	"	"	"	8270D
Fluorene	RE2	ND	A3, J, U	2	"	"	"	"	8270D
4-Chlorophenyl phenyl ether	RE2	ND	A3, J, U	2	"	"	"	"	8270D
4-Nitroaniline	RE2	ND	J, A3, U	10	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol	RE2	ND	U, A3, J, Q3	10	"	"	"	"	8270D
Diphenyl amine	RE2	ND	A3, J, U	2	"	"	"	"	8270D
4-Bromophenyl phenyl ether	RE2	ND	A3, J, U	2	"	"	"	"	8270D
Hexachlorobenzene	RE2	ND	A3, J, U	2	"	"	"	"	8270D
Pentachlorophenol	RE2	ND	A3, C4, J, U	41	"	"	"	"	8270D
Phenanthrene	RE2	4.3	A3, J	2	"	"	"	"	8270D
Anthracene	RE2	ND	A3, J, U	2	"	"	"	"	8270D
Carbazole	RE2	1.9	A3, C1, J	2	"	"	"	"	8270D
Di-n-butyl phthalate	RE2	7.5	A3, J	2	"	"	"	"	8270D
Fluoranthene	RE2	ND	A3, J, U	2	"	"	"	"	8270D
Pyrene	RE2	ND	A3, J, U	2	"	"	"	"	8270D
Butyl benzyl phthalate	RE2	ND	J, A3, U	2	"	"	"	"	8270D
Benzo(a)anthracene	RE2	ND	A3, J, U	2	"	"	"	"	8270D
3,3'-Dichlorobenzidine	RE2	ND	C3, J, A3, U	10	"	"	"	"	8270D
Chrysene	RE2	ND	A3, J, U	2	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-14									**Water - Sampled: 08/13/21 14:25**
Sample ID: AMCO-X-14-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
Bis(2-ethylhexyl) phthalate	RE2	1.3	A3, C1, J	2	ug/L	B21I003	09/02/21	09/08/21	8270D
Di-n-octyl phthalate	RE2	ND	A3, J, U	2	"	"	"	"	8270D
Benzo(b)fluoranthene	RE2	ND	U, A3, J	2	"	"	"	"	8270D
Benzo(k)fluoranthene	RE2	ND	U, A3, J	2	"	"	"	"	8270D
Benzo(a)pyrene	RE2	ND	U, A3, J	2	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene	RE2	ND	J, A3, U	2	"	"	"	"	8270D
Dibenz(a,h)anthracene	RE2	ND	A3, J, U	2	"	"	"	"	8270D
Benzo(g,h,i)perylene	RE2	ND	U, A3, J	2	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8	*RE2*		70 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol	*RE2*		83 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5	*RE2*		84 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4	*RE2*		88 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE2*		82 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5	*RE2*		87 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl	*RE2*		50 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol	*RE2*		88 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14	*RE2*		33 %	*20-179%*		"	"	"	
Lab ID: 2108018-15									**Water - Sampled: 08/13/21 08:30**
Sample ID: AMCO-X-05-081321									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	U	2.5	ug/L	B21H043	08/16/21	08/16/21	524.2
Chloromethane		ND	U	2.5	"	"	"	"	524.2
Vinyl chloride		3.0		2.5	"	"	"	"	524.2
Bromomethane		ND	C4, J, Q2, Q3, U	2.5	"	"	"	"	524.2
Chloroethane		ND	U	2.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	2.5	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	2.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	2.5	"	"	"	"	524.2
Acetone		ND	U	20	"	"	"	"	524.2
Dichloromethane		ND	U	2.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		3.0		2.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	10	"	"	"	"	524.2
1,1-Dichloroethane		21		2.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	2.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	390		25	"	B21H050	08/17/21	08/17/21	524.2
2-Butanone (MEK)		ND	U	20	"	B21H043	08/16/21	08/16/21	524.2
Bromochloromethane		ND	U	2.5	"	"	"	"	524.2
Chloroform		ND	U	2.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-15									**Water - Sampled: 08/13/21 08:30**
Sample ID: AMCO-X-05-081321									**Volatile Organic Compounds by EPA Method 524.2**
1,1,1-Trichloroethane		ND	U	2.5	ug/L	B21H043	08/16/21	08/16/21	524.2
Carbon tetrachloride		ND	U	2.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	2.5	"	"	"	"	524.2
Benzene		10		2.5	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	2.5	"	"	"	"	524.2
Trichloroethene		120		2.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	J, Q2, U	2.5	"	"	"	"	524.2
Dibromomethane		ND	J, Q2, U	2.5	"	"	"	"	524.2
Bromodichloromethane		ND	C3, J, U	2.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	2.5	"	"	"	"	524.2
Toluene		26		2.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	C3, J, U	2.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	2.5	"	"	"	"	524.2
Tetrachloroethene		110		2.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	2.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	2.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	2.5	"	"	"	"	524.2
Chlorobenzene		8.8		2.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	2.5	"	"	"	"	524.2
Ethylbenzene		42		2.5	"	"	"	"	524.2
m&p-Xylene		95		5	"	"	"	"	524.2
o-Xylene	RE1	150		25	"	B21H050	08/17/21	08/17/21	524.2
Styrene		ND	U	2.5	"	B21H043	08/16/21	08/16/21	524.2
Bromoform		ND	C3, J, U	2.5	"	"	"	"	524.2
Isopropylbenzene		3.5		2.5	"	"	"	"	524.2
Bromobenzene		ND	U	2.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	2.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	2.5	"	"	"	"	524.2
Propylbenzene		8.2		2.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	2.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	2.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		54		2.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	2.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		92		2.5	"	"	"	"	524.2
sec-Butylbenzene		3.2		2.5	"	"	"	"	524.2
1,3-Dichlorobenzene		4.4		2.5	"	"	"	"	524.2
p-Isopropyltoluene		20		2.5	"	"	"	"	524.2
1,4-Dichlorobenzene		29		2.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-15									**Water - Sampled: 08/13/21 08:30**
Sample ID: AMCO-X-05-081321									**Volatile Organic Compounds by EPA Method 524.2**
1,2-Dichlorobenzene	RE1	220		25	ug/L	B21H050	08/17/21	08/17/21	524.2
Butylbenzene		9.4		2.5	"	B21H043	08/16/21	08/16/21	524.2
1,2-Dibromo-3-chloropropane		ND	U	10	"	"	"	"	524.2
1,2,4-Trichlorobenzene		2.6		2.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	2.5	"	"	"	"	524.2
Naphthalene	RE1	160		25	"	B21H050	08/17/21	08/17/21	524.2
1,2,3-Trichlorobenzene		ND	U	2.5	"	B21H043	08/16/21	08/16/21	524.2
Surrogate: 1,2-Dichloroethane-d4			102 %	*83-116%*		*"*	*"*	*"*	
Surrogate: 1,2-Dichloroethane-d4	*RE1*		112 %	*83-116%*		*B21H050*	*08/17/21*	*08/17/21*	
Surrogate: Toluene-d8			98 %	*81-112%*		*B21H043*	*08/16/21*	*08/16/21*	
Surrogate: Toluene-d8	*RE1*		99 %	*81-112%*		*B21H050*	*08/17/21*	*08/17/21*	
Surrogate: 4-Bromofluorobenzene			100 %	*80-110%*		*B21H043*	*08/16/21*	*08/16/21*	
Surrogate: 4-Bromofluorobenzene	*RE1*		99 %	*80-110%*		*B21H050*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichlorobenzene-d4			**116 %**	*74-113%*		*B21H043*	*08/16/21*	*08/16/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		106 %	*74-113%*		*B21H050*	*08/17/21*	*08/17/21*	
Sample ID: AMCO-X-05-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE2	ND	U	19	"	B21H042	08/16/21	09/01/21	8270D
Phenol		ND	U	95	"	"	"	08/25/21	8270D
Bis(2-chloroethyl)ether		ND	U	19	"	"	"	"	8270D
2-Chlorophenol		ND	U	95	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	19	"	"	"	"	8270D
1,4-Dichlorobenzene		29		19	"	"	"	"	8270D
Benzyl alcohol		ND	U	95	"	"	"	"	8270D
1,2-Dichlorobenzene		180		19	"	"	"	"	8270D
2-Methylphenol		150		95	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	19	"	"	"	"	8270D
3&4-Methylphenol		ND	U	95	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	19	"	"	"	"	8270D
Hexachloroethane		ND	U	19	"	"	"	"	8270D
Nitrobenzene		ND	U	19	"	"	"	"	8270D
Isophorone		ND	U	19	"	"	"	"	8270D
2-Nitrophenol		ND	U	95	"	"	"	"	8270D
2,4-Dimethylphenol		320		95	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	19	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	95	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	19	"	"	"	"	8270D
Naphthalene		140		19	"	"	"	"	8270D
4-Chloroaniline		ND	U	95	"	"	"	"	8270D

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108018-15 — **Water - Sampled: 08/13/21 08:30**

Sample ID: AMCO-X-05-081321

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Hexachlorobutadiene		ND	U	19	ug/L	B21H042	08/16/21	08/25/21	8270D
4-Chloro-3-methylphenol		420	J, Q3	95	"	"	"	"	8270D
2-Methylnaphthalene		340		19	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	95	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	95	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	95	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	19	"	"	"	"	8270D
2-Nitroaniline		ND	U	95	"	"	"	"	8270D
Dimethyl phthalate		ND	U	19	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	19	"	"	"	"	8270D
Acenaphthylene		ND	U	19	"	"	"	"	8270D
3-Nitroaniline		ND	U	95	"	"	"	"	8270D
Acenaphthene		ND	U	19	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, C4, J, U	380	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	95	"	"	"	"	8270D
Dibenzofuran		ND	U	19	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	19	"	"	"	"	8270D
Diethyl phthalate		ND	U	19	"	"	"	"	8270D
Fluorene		ND	U	19	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	19	"	"	"	"	8270D
4-Nitroaniline		ND	U	95	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	95	"	"	"	"	8270D
Diphenyl amine		ND	U	19	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	19	"	"	"	"	8270D
Hexachlorobenzene		ND	U	19	"	"	"	"	8270D
Pentachlorophenol		ND	J, C4, U	380	"	"	"	"	8270D
Phenanthrene		9.9	C1, J	19	"	"	"	"	8270D
Anthracene		ND	U	19	"	"	"	"	8270D
Carbazole		ND	U	19	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	19	"	"	"	"	8270D
Fluoranthene		ND	U	19	"	"	"	"	8270D
Pyrene		ND	U	19	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	19	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	19	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	95	"	"	"	"	8270D
Chrysene		ND	U	19	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	19	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-15									**Water - Sampled: 08/13/21 08:30**
Sample ID: AMCO-X-05-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
Di-n-octyl phthalate		ND	U	19	ug/L	B21H042	08/16/21	08/25/21	8270D
Benzo(b)fluoranthene		ND	U	19	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	19	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	19	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	19	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	19	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	19	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			60 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			79 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			86 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			89 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			77 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			86 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			94 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			96 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			48 %	*20-179%*		"	"	"	
Lab ID: 2108018-16									**Water - Sampled: 08/13/21 09:50**
Sample ID: AMCO-X-04-081321									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	U	2.5	ug/L	B21H048	08/17/21	08/17/21	524.2
Chloromethane	RE1	ND	U	2.5	"	"	"	"	524.2
Vinyl chloride	RE1	ND	U	2.5	"	"	"	"	524.2
Bromomethane	RE1	ND	C4, J, Q2, Q3, U	2.5	"	"	"	"	524.2
Chloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	2.5	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Acetone	RE1	ND	U	20	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	2.5	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	ND	U	2.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	10	"	"	"	"	524.2
1,1-Dichloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	1.2	C1, J	2.5	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	20	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	2.5	"	"	"	"	524.2
Chloroform	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	2.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108018-16 — **Water - Sampled: 08/13/21 09:50**

Sample ID: AMCO-X-04-081321

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Carbon tetrachloride	RE1	ND	U	2.5	ug/L	B21H048	08/17/21	08/17/21	524.2
1,1-Dichloropropene	RE1	ND	U	2.5	"	"	"	"	524.2
Benzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Trichloroethene	RE1	ND	C4, J, Q2, U	2.5	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	C4, J, Q2, Q3, U	2.5	"	"	"	"	524.2
Dibromomethane	RE1	ND	C4, J, Q2, U	2.5	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	C3, J, U	2.5	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	2.5	"	"	"	"	524.2
Toluene	RE1	1.4	C1, J	2.5	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	C3, J, U	2.5	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	2.5	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	2.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	2.5	"	"	"	"	524.2
Chlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Ethylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
m&p-Xylene	RE1	ND	U	5	"	"	"	"	524.2
o-Xylene	RE1	ND	U	2.5	"	"	"	"	524.2
Styrene	RE1	ND	U	2.5	"	"	"	"	524.2
Bromoform	RE1	ND	C3, J, U	2.5	"	"	"	"	524.2
Isopropylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
Propylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	2.5	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	2.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	6.6		2.5	"	"	"	"	524.2
sec-Butylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
p-Isopropyltoluene	RE1	ND	U	2.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-16									**Water - Sampled: 08/13/21 09:50**
Sample ID: AMCO-X-04-081321									**Volatile Organic Compounds by EPA Method 524.2**
1,4-Dichlorobenzene	RE1	ND	U	2.5	ug/L	B21H048	08/17/21	08/17/21	524.2
1,2-Dichlorobenzene	RE1	1.6	C1, J	2.5	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	10	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	2.5	"	"	"	"	524.2
Naphthalene	RE1	17		2.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		95 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE1*		97 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE1*		93 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		97 %	*74-113%*		"	"	"	
Sample ID: AMCO-X-04-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE2	ND	U	20	"	B21H042	08/16/21	09/01/21	8270D
Phenol		ND	U	50	"	"	"	08/25/21	8270D
Bis(2-chloroethyl)ether		ND	U	10	"	"	"	"	8270D
2-Chlorophenol		ND	U	50	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	10	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	10	"	"	"	"	8270D
Benzyl alcohol		ND	U	50	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	10	"	"	"	"	8270D
2-Methylphenol		ND	U	50	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	C3, J, U	10	"	"	"	"	8270D
3&4-Methylphenol		ND	U	50	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	10	"	"	"	"	8270D
Hexachloroethane		ND	U	10	"	"	"	"	8270D
Nitrobenzene		ND	U	10	"	"	"	"	8270D
Isophorone		ND	U	10	"	"	"	"	8270D
2-Nitrophenol		ND	U	50	"	"	"	"	8270D
2,4-Dimethylphenol		49	C4, J	50	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	10	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	50	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	10	"	"	"	"	8270D
Naphthalene		12		10	"	"	"	"	8270D
4-Chloroaniline		ND	U	50	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	10	"	"	"	"	8270D
4-Chloro-3-methylphenol		41	C1, J	50	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-16									**Water - Sampled: 08/13/21 09:50**
Sample ID: AMCO-X-04-081321									
						Semivolatile Organic Compounds by EPA Method 8270D			
2-Methylnaphthalene		95		10	ug/L	B21H042	08/16/21	08/25/21	8270D
Hexachlorocyclopentadiene		ND	C3, J, U	50	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	50	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	50	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	10	"	"	"	"	8270D
2-Nitroaniline		ND	U	50	"	"	"	"	8270D
Dimethyl phthalate		ND	U	10	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	10	"	"	"	"	8270D
Acenaphthylene		ND	C3, J, U	10	"	"	"	"	8270D
3-Nitroaniline		ND	U, C3, J	50	"	"	"	"	8270D
Acenaphthene		ND	U	10	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	200	"	"	"	"	8270D
4-Nitrophenol		ND	U	50	"	"	"	"	8270D
Dibenzofuran		ND	U	10	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	10	"	"	"	"	8270D
Diethyl phthalate		ND	U	10	"	"	"	"	8270D
Fluorene		ND	U	10	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	10	"	"	"	"	8270D
4-Nitroaniline		ND	U	50	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	50	"	"	"	"	8270D
Diphenyl amine		ND	C3, J, U	10	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	10	"	"	"	"	8270D
Hexachlorobenzene		ND	U	10	"	"	"	"	8270D
Pentachlorophenol		ND	C4, J, U	200	"	"	"	"	8270D
Phenanthrene		ND	U	10	"	"	"	"	8270D
Anthracene		ND	U	10	"	"	"	"	8270D
Carbazole		ND	U	10	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	10	"	"	"	"	8270D
Fluoranthene		ND	U	10	"	"	"	"	8270D
Pyrene		ND	U	10	"	"	"	"	8270D
Butyl benzyl phthalate		ND	J, Q3, U	10	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	10	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	C3, C4, J, U	50	"	"	"	"	8270D
Chrysene		ND	U	10	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	10	"	"	"	"	8270D
Di-n-octyl phthalate		ND	C3, J, Q3, U	10	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-16									**Water - Sampled: 08/13/21 09:50**
Sample ID: AMCO-X-04-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
Benzo(b)fluoranthene		ND	U	10	ug/L	B21H042	08/16/21	08/25/21	8270D
Benzo(k)fluoranthene		ND	U	10	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	10	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	10	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	10	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	10	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			48 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			68 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			69 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			68 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			61 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			67 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			71 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			86 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			30 %	*20-179%*		"	"	"	
Lab ID: 2108018-17									**Water - Sampled: 08/13/21 11:20**
Sample ID: AMCO-X-29-081321									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	C3, J, U	0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride	RE1	40		10	"	B21H048	08/17/21	08/17/21	524.2
Bromomethane		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2
Chloroethane		ND	U	0.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene	RE1	36		10	"	B21H048	08/17/21	08/17/21	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2
Acetone		170	C3, J	4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		5.4		0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		2.0		2	"	"	"	"	524.2
1,1-Dichloroethane		2.2		0.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE2	2,200		120	"	B21H050	08/17/21	08/17/21	524.2
2-Butanone (MEK)		ND	U	4	"	B21H044	08/16/21	08/16/21	524.2
Bromochloromethane		ND	U	0.5	"	"	"	"	524.2
Chloroform		ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-17									**Water - Sampled: 08/13/21 11:20**
Sample ID: AMCO-X-29-081321									**Volatile Organic Compounds by EPA Method 524.2**
Benzene		6.1		0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
1,2-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
Trichloroethene		2.0		0.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Dibromomethane		ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane		ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Toluene	RE1	400		10	"	B21H048	08/17/21	08/17/21	524.2
trans-1,3-Dichloropropene		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2
1,1,2-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene		1.4		0.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene		2.0		0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
Ethylbenzene	RE1	22		10	"	B21H048	08/17/21	08/17/21	524.2
m&p-Xylene	RE1	93		20	"	"	"	"	524.2
o-Xylene	RE1	78		10	"	"	"	"	524.2
Styrene		2.7		0.5	"	B21H044	08/16/21	08/16/21	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		6.0		0.5	"	"	"	"	524.2
Bromobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	0.5	"	"	"	"	524.2
Propylbenzene		16		0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	35		10	"	B21H048	08/17/21	08/17/21	524.2
tert-Butylbenzene		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2
1,2,4-Trimethylbenzene	RE1	120		10	"	B21H048	08/17/21	08/17/21	524.2
sec-Butylbenzene		5.4		0.5	"	B21H044	08/16/21	08/16/21	524.2
1,3-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene	RE1	25		10	"	B21H048	08/17/21	08/17/21	524.2
1,4-Dichlorobenzene		0.7		0.5	"	B21H044	08/16/21	08/16/21	524.2
1,2-Dichlorobenzene		6.2		0.5	"	"	"	"	524.2
Butylbenzene		8.6		0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	2	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-17									**Water - Sampled: 08/13/21 11:20**
Sample ID: AMCO-X-29-081321									**Volatile Organic Compounds by EPA Method 524.2**
1,2,4-Trichlorobenzene		0.6		0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
Hexachlorobutadiene		ND	U	0.5	"	"	"	"	524.2
Naphthalene	RE1	79		10	"	B21H048	08/17/21	08/17/21	524.2
1,2,3-Trichlorobenzene		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2
Surrogate: 1,2-Dichloroethane-d4			112 %	*83-116%*		*"*	*"*	*"*	
Surrogate: 1,2-Dichloroethane-d4	*RE1*		96 %	*83-116%*		*B21H048*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichloroethane-d4	*RE2*		107 %	*83-116%*		*B21H050*	*08/17/21*	*08/17/21*	
Surrogate: Toluene-d8			100 %	*81-112%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: Toluene-d8	*RE1*		97 %	*81-112%*		*B21H048*	*08/17/21*	*08/17/21*	
Surrogate: Toluene-d8	*RE2*		100 %	*81-112%*		*B21H050*	*08/17/21*	*08/17/21*	
Surrogate: 4-Bromofluorobenzene			100 %	*80-110%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: 4-Bromofluorobenzene	*RE1*		97 %	*80-110%*		*B21H048*	*08/17/21*	*08/17/21*	
Surrogate: 4-Bromofluorobenzene	*RE2*		99 %	*80-110%*		*B21H050*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichlorobenzene-d4			112 %	*74-113%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		100 %	*74-113%*		*B21H048*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE2*		101 %	*74-113%*		*B21H050*	*08/17/21*	*08/17/21*	
Sample ID: AMCO-X-29-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE2	23		20	"	B21H042	08/16/21	09/01/21	8270D
Phenol		ND	U	50	"	"	"	08/25/21	8270D
Bis(2-chloroethyl)ether		ND	U	10	"	"	"	"	8270D
2-Chlorophenol		ND	U	50	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	10	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	10	"	"	"	"	8270D
Benzyl alcohol		ND	U	50	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	10	"	"	"	"	8270D
2-Methylphenol		210		50	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	C3, J, U	10	"	"	"	"	8270D
3&4-Methylphenol		ND	U	50	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	10	"	"	"	"	8270D
Hexachloroethane		ND	U	10	"	"	"	"	8270D
Nitrobenzene		ND	U	10	"	"	"	"	8270D
Isophorone		ND	U	10	"	"	"	"	8270D
2-Nitrophenol		ND	U	50	"	"	"	"	8270D
2,4-Dimethylphenol		79	C4, J	50	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	10	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	50	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	10	"	"	"	"	8270D
Naphthalene		56		10	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-17									**Water - Sampled: 08/13/21 11:20**
Sample ID: AMCO-X-29-081321									
						Semivolatile Organic Compounds by EPA Method 8270D			
4-Chloroaniline		ND	U	50	ug/L	B21H042	08/16/21	08/25/21	8270D
Hexachlorobutadiene		ND	U	10	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	50	"	"	"	"	8270D
2-Methylnaphthalene		360		10	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	C3, J, U	50	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	50	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	50	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	10	"	"	"	"	8270D
2-Nitroaniline		ND	U	50	"	"	"	"	8270D
Dimethyl phthalate		ND	U	10	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	10	"	"	"	"	8270D
Acenaphthylene		ND	C3, J, U	10	"	"	"	"	8270D
3-Nitroaniline		ND	U, C3, J	50	"	"	"	"	8270D
Acenaphthene		ND	U	10	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	200	"	"	"	"	8270D
4-Nitrophenol		ND	U	50	"	"	"	"	8270D
Dibenzofuran		ND	U	10	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	10	"	"	"	"	8270D
Diethyl phthalate		ND	U	10	"	"	"	"	8270D
Fluorene		ND	U	10	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	10	"	"	"	"	8270D
4-Nitroaniline		ND	U	50	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	50	"	"	"	"	8270D
Diphenyl amine		ND	C3, J, U	10	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	10	"	"	"	"	8270D
Hexachlorobenzene		ND	U	10	"	"	"	"	8270D
Pentachlorophenol		ND	C4, J, U	200	"	"	"	"	8270D
Phenanthrene		ND	U	10	"	"	"	"	8270D
Anthracene		ND	U	10	"	"	"	"	8270D
Carbazole		ND	U	10	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	10	"	"	"	"	8270D
Fluoranthene		ND	U	10	"	"	"	"	8270D
Pyrene		ND	U	10	"	"	"	"	8270D
Butyl benzyl phthalate		ND	J, Q3, U	10	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	10	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	C3, C4, J, U	50	"	"	"	"	8270D

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Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-17									**Water - Sampled: 08/13/21 11:20**
Sample ID: AMCO-X-29-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
Chrysene		ND	U	10	ug/L	B21H042	08/16/21	08/25/21	8270D
Bis(2-ethylhexyl) phthalate		ND	U	10	"	"	"	"	8270D
Di-n-octyl phthalate		ND	C3, J, Q3, U	10	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	10	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	10	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	10	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	10	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	10	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	10	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			40 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			61 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			62 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			63 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			54 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			66 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			62 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			69 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			44 %	*20-179%*		"	"	"	
Lab ID: 2108018-18									**Water - Sampled: 08/13/21 13:26**
Sample ID: AMCO-X-25-081321									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE3	ND	U	25	ug/L	B21H048	08/17/21	08/17/21	524.2
Chloromethane	RE3	ND	U	25	"	"	"	"	524.2
Vinyl chloride	RE3	200		25	"	"	"	"	524.2
Bromomethane	RE3	ND	C4, J, Q2, Q3, U	25	"	"	"	"	524.2
Chloroethane	RE3	ND	U	25	"	"	"	"	524.2
Trichlorofluoromethane	RE3	ND	U	25	"	"	"	"	524.2
1,1-Dichloroethene	RE3	ND	U	25	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE3	ND	U	25	"	"	"	"	524.2
Acetone	RE3	630		200	"	"	"	"	524.2
Dichloromethane	RE3	ND	U	25	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE3	52		25	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE3	ND	U	100	"	"	"	"	524.2
1,1-Dichloroethane	RE3	28	J, Q2	25	"	"	"	"	524.2
2,2-Dichloropropane	RE3	ND	U	25	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE2	6,300		500	"	B21H047	08/17/21	08/17/21	524.2
2-Butanone (MEK)	RE3	ND	U	200	"	B21H048	08/17/21	08/17/21	524.2
Bromochloromethane	RE3	ND	U	25	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108018-18 — **Water - Sampled: 08/13/21 13:26**

Sample ID: AMCO-X-25-081321

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Chloroform	RE3	ND	U	25	ug/L	B21H048	08/17/21	08/17/21	524.2
1,1,1-Trichloroethane	RE3	ND	U	25	"	"	"	"	524.2
Carbon tetrachloride	RE3	ND	U	25	"	"	"	"	524.2
1,1-Dichloropropene	RE3	ND	U	25	"	"	"	"	524.2
Benzene	RE3	27		25	"	"	"	"	524.2
1,2-Dichloroethane	RE3	ND	U	25	"	"	"	"	524.2
Trichloroethene	RE3	ND	C4, J, Q2, U	25	"	"	"	"	524.2
1,2-Dichloropropane	RE3	ND	C4, J, Q2, Q3, U	25	"	"	"	"	524.2
Dibromomethane	RE3	ND	C4, J, Q2, U	25	"	"	"	"	524.2
Bromodichloromethane	RE3	ND	C3, J, U	25	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE3	ND	U	25	"	"	"	"	524.2
Toluene	RE2	4,500		500	"	B21H047	08/17/21	08/17/21	524.2
trans-1,3-Dichloropropene	RE3	ND	C3, J, U	25	"	B21H048	08/17/21	08/17/21	524.2
1,1,2-Trichloroethane	RE3	ND	U	25	"	"	"	"	524.2
Tetrachloroethene	RE3	ND	U	25	"	"	"	"	524.2
1,3-Dichloropropane	RE3	ND	U	25	"	"	"	"	524.2
Chlorodibromomethane	RE3	ND	U	25	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE3	ND	U	25	"	"	"	"	524.2
Chlorobenzene	RE3	30		25	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE3	ND	U	25	"	"	"	"	524.2
Ethylbenzene	RE3	77		25	"	"	"	"	524.2
m&p-Xylene	RE3	340		50	"	"	"	"	524.2
o-Xylene	RE3	200		25	"	"	"	"	524.2
Styrene	RE3	ND	U	25	"	"	"	"	524.2
Bromoform	RE3	ND	C3, J, U	25	"	"	"	"	524.2
Isopropylbenzene	RE3	ND	U	25	"	"	"	"	524.2
Bromobenzene	RE3	ND	U	25	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE3	ND	U	25	"	"	"	"	524.2
1,2,3-Trichloropropane	RE3	ND	U	25	"	"	"	"	524.2
Propylbenzene	RE3	21	C1, J	25	"	"	"	"	524.2
2-Chlorotoluene	RE3	ND	U	25	"	"	"	"	524.2
4-Chlorotoluene	RE3	ND	U	25	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE3	63		25	"	"	"	"	524.2
tert-Butylbenzene	RE3	ND	U	25	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE3	190		25	"	"	"	"	524.2
sec-Butylbenzene	RE3	ND	U	25	"	"	"	"	524.2
1,3-Dichlorobenzene	RE3	ND	U	25	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-18									**Water - Sampled: 08/13/21 13:26**
Sample ID: AMCO-X-25-081321									**Volatile Organic Compounds by EPA Method 524.2**
p-Isopropyltoluene	RE3	31		25	ug/L	B21H048	08/17/21	08/17/21	524.2
1,4-Dichlorobenzene	RE3	ND	U	25	"	"	"	"	524.2
1,2-Dichlorobenzene	RE3	62		25	"	"	"	"	524.2
Butylbenzene	RE3	ND	U	25	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE3	ND	U	100	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE3	ND	U	25	"	"	"	"	524.2
Hexachlorobutadiene	RE3	ND	U	25	"	"	"	"	524.2
Naphthalene	RE3	120		25	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE3	ND	U	25	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE2*		102 %	*83-116%*		*B21H047*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichloroethane-d4	*RE3*		94 %	*83-116%*		*B21H048*	*08/17/21*	*08/17/21*	
Surrogate: Toluene-d8	*RE2*		100 %	*81-112%*		*B21H047*	*08/17/21*	*08/17/21*	
Surrogate: Toluene-d8	*RE3*		100 %	*81-112%*		*B21H048*	*08/17/21*	*08/17/21*	
Surrogate: 4-Bromofluorobenzene	*RE2*		107 %	*80-110%*		*B21H047*	*08/17/21*	*08/17/21*	
Surrogate: 4-Bromofluorobenzene	*RE3*		93 %	*80-110%*		*B21H048*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE2*		96 %	*74-113%*		*B21H047*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE3*		94 %	*74-113%*		*B21H048*	*08/17/21*	*08/17/21*	
Sample ID: AMCO-X-25-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE1	92		40	"	B21H042	08/16/21	08/31/21	8270D
Phenol		ND	U	50	"	"	"	08/25/21	8270D
Bis(2-chloroethyl)ether		ND	U	10	"	"	"	"	8270D
2-Chlorophenol		ND	U	50	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	10	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	10	"	"	"	"	8270D
Benzyl alcohol		ND	U	50	"	"	"	"	8270D
1,2-Dichlorobenzene		51		10	"	"	"	"	8270D
2-Methylphenol		83		50	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	J, C3, U	10	"	"	"	"	8270D
3&4-Methylphenol		57		50	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	10	"	"	"	"	8270D
Hexachloroethane		ND	U	10	"	"	"	"	8270D
Nitrobenzene		ND	U	10	"	"	"	"	8270D
Isophorone		ND	U	10	"	"	"	"	8270D
2-Nitrophenol		ND	U	50	"	"	"	"	8270D
2,4-Dimethylphenol		93	C4, J	50	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	10	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	50	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	10	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108018-18 — **Water - Sampled: 08/13/21 13:26**

Sample ID: AMCO-X-25-081321

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Naphthalene		100		10	ug/L	B21H042	08/16/21	08/25/21	8270D
4-Chloroaniline		ND	U	50	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	10	"	"	"	"	8270D
4-Chloro-3-methylphenol		25	C1, J	50	"	"	"	"	8270D
2-Methylnaphthalene		370		10	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U, C3, J	50	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	50	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	50	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	10	"	"	"	"	8270D
2-Nitroaniline		ND	U	50	"	"	"	"	8270D
Dimethyl phthalate		ND	U	10	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	10	"	"	"	"	8270D
Acenaphthylene		ND	C3, J, U	10	"	"	"	"	8270D
3-Nitroaniline		ND	U, C3, J	50	"	"	"	"	8270D
Acenaphthene		ND	U	10	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	200	"	"	"	"	8270D
4-Nitrophenol		ND	U	50	"	"	"	"	8270D
Dibenzofuran		ND	U	10	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	10	"	"	"	"	8270D
Diethyl phthalate		ND	U	10	"	"	"	"	8270D
Fluorene		ND	U	10	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	10	"	"	"	"	8270D
4-Nitroaniline		ND	U	50	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	50	"	"	"	"	8270D
Diphenyl amine		ND	C3, J, U	10	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	10	"	"	"	"	8270D
Hexachlorobenzene		ND	U	10	"	"	"	"	8270D
Pentachlorophenol		ND	C4, J, U	200	"	"	"	"	8270D
Phenanthrene		ND	U	10	"	"	"	"	8270D
Anthracene		ND	U	10	"	"	"	"	8270D
Carbazole		ND	U	10	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	10	"	"	"	"	8270D
Fluoranthene		ND	U	10	"	"	"	"	8270D
Pyrene		ND	U	10	"	"	"	"	8270D
Butyl benzyl phthalate		ND	J, Q3, U	10	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	10	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	C3, C4, J, U	50	"	"	"	"	8270D

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Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-18									**Water - Sampled: 08/13/21 13:26**
Sample ID: AMCO-X-25-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
Chrysene		ND	U	10	ug/L	B21H042	08/16/21	08/25/21	8270D
Bis(2-ethylhexyl) phthalate		ND	U	10	"	"	"	"	8270D
Di-n-octyl phthalate		ND	C3, J, Q3, U	10	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	10	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	10	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	10	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	10	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	10	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	10	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			56 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			66 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			71 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			70 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			53 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			67 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			57 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			60 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			29 %	*20-179%*		"	"	"	
Lab ID: 2108018-19									**Water - Sampled: 08/13/21 08:40**
Sample ID: AMCO-X-19-081321									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	U	10	ug/L	B21H043	08/16/21	08/16/21	524.2
Chloromethane		ND	U	10	"	"	"	"	524.2
Vinyl chloride		ND	U	10	"	"	"	"	524.2
Bromomethane		ND	C4, J, Q2, Q3, U	10	"	"	"	"	524.2
Chloroethane		ND	U	10	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	10	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	10	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	10	"	"	"	"	524.2
Acetone		1,800		80	"	"	"	"	524.2
Dichloromethane		ND	U	10	"	"	"	"	524.2
trans-1,2-Dichloroethene		ND	U	10	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	40	"	"	"	"	524.2
1,1-Dichloroethane		ND	U	10	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	10	"	"	"	"	524.2
cis-1,2-Dichloroethene		27		10	"	"	"	"	524.2
2-Butanone (MEK)		380		80	"	"	"	"	524.2
Bromochloromethane		ND	U	10	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108018-19 — **Water - Sampled: 08/13/21 08:40**

Sample ID: AMCO-X-19-081321

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Chloroform		ND	U	10	ug/L	B21H043	08/16/21	08/16/21	524.2
1,1,1-Trichloroethane		ND	U	10	"	"	"	"	524.2
Carbon tetrachloride		ND	U	10	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	10	"	"	"	"	524.2
Benzene		ND	U	10	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	10	"	"	"	"	524.2
Trichloroethene		ND	U	10	"	"	"	"	524.2
1,2-Dichloropropane		ND	J, Q2, U	10	"	"	"	"	524.2
Dibromomethane		ND	J, Q2, U	10	"	"	"	"	524.2
Bromodichloromethane		ND	C3, J, U	10	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	10	"	"	"	"	524.2
Toluene		70		10	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	C3, J, U	10	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	10	"	"	"	"	524.2
Tetrachloroethene		ND	U	10	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	10	"	"	"	"	524.2
Chlorodibromomethane		ND	U	10	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	10	"	"	"	"	524.2
Chlorobenzene		ND	U	10	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	10	"	"	"	"	524.2
Ethylbenzene		10		10	"	"	"	"	524.2
m&p-Xylene		43		20	"	"	"	"	524.2
o-Xylene		26		10	"	"	"	"	524.2
Styrene		ND	U	10	"	"	"	"	524.2
Bromoform		ND	J, C3, U	10	"	"	"	"	524.2
Isopropylbenzene		ND	U	10	"	"	"	"	524.2
Bromobenzene		ND	U	10	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	10	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	10	"	"	"	"	524.2
Propylbenzene		ND	U	10	"	"	"	"	524.2
2-Chlorotoluene		ND	U	10	"	"	"	"	524.2
4-Chlorotoluene		ND	U	10	"	"	"	"	524.2
1,3,5-Trimethylbenzene		ND	U	10	"	"	"	"	524.2
tert-Butylbenzene		ND	U	10	"	"	"	"	524.2
1,2,4-Trimethylbenzene		15		10	"	"	"	"	524.2
sec-Butylbenzene		ND	U	10	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	10	"	"	"	"	524.2

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Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-19									**Water - Sampled: 08/13/21 08:40**
Sample ID: AMCO-X-19-081321									**Volatile Organic Compounds by EPA Method 524.2**
p-Isopropyltoluene		ND	U	10	ug/L	B21H043	08/16/21	08/16/21	524.2
1,4-Dichlorobenzene		ND	U	10	"	"	"	"	524.2
1,2-Dichlorobenzene		15		10	"	"	"	"	524.2
Butylbenzene		ND	U	10	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	40	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	10	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	10	"	"	"	"	524.2
Naphthalene		370		10	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	10	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			94 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8			99 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene			100 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			102 %	*74-113%*		"	"	"	
Sample ID: AMCO-X-19-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE2	48		25	"	B21H051	08/17/21	09/01/21	8270D
Phenol		ND	U	120	"	"	"	08/25/21	8270D
Bis(2-chloroethyl)ether		ND	U	25	"	"	"	"	8270D
2-Chlorophenol		ND	U	120	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	25	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	25	"	"	"	"	8270D
Benzyl alcohol		ND	U	120	"	"	"	"	8270D
1,2-Dichlorobenzene		14	C1, J	25	"	"	"	"	8270D
2-Methylphenol		120		120	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	25	"	"	"	"	8270D
3&4-Methylphenol		1,800		120	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	25	"	"	"	"	8270D
Hexachloroethane		ND	U	25	"	"	"	"	8270D
Nitrobenzene		ND	U	25	"	"	"	"	8270D
Isophorone		ND	U	25	"	"	"	"	8270D
2-Nitrophenol		ND	U	120	"	"	"	"	8270D
2,4-Dimethylphenol		370		120	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	25	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	120	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	25	"	"	"	"	8270D
Naphthalene		300		25	"	"	"	"	8270D
4-Chloroaniline		ND	U	120	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	25	"	"	"	"	8270D

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Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-19									**Water - Sampled: 08/13/21 08:40**
Sample ID: AMCO-X-19-081321									
						Semivolatile Organic Compounds by EPA Method 8270D			
4-Chloro-3-methylphenol		130	J, Q3	120	ug/L	B21H051	08/17/21	08/25/21	8270D
2-Methylnaphthalene		1,400		25	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	120	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	120	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	120	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	25	"	"	"	"	8270D
2-Nitroaniline		ND	U	120	"	"	"	"	8270D
Dimethyl phthalate		ND	U	25	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	25	"	"	"	"	8270D
Acenaphthylene		ND	U	25	"	"	"	"	8270D
3-Nitroaniline		ND	U	120	"	"	"	"	8270D
Acenaphthene		ND	U	25	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, C4, J, U	500	"	"	"	"	8270D
4-Nitrophenol		ND	C3, J, U	120	"	"	"	"	8270D
Dibenzofuran		ND	U	25	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	25	"	"	"	"	8270D
Diethyl phthalate		ND	U	25	"	"	"	"	8270D
Fluorene		ND	U	25	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	25	"	"	"	"	8270D
4-Nitroaniline		ND	U	120	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	120	"	"	"	"	8270D
Diphenyl amine		ND	U	25	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	25	"	"	"	"	8270D
Hexachlorobenzene		ND	U	25	"	"	"	"	8270D
Pentachlorophenol		ND	C4, J, U	500	"	"	"	"	8270D
Phenanthrene		ND	U	25	"	"	"	"	8270D
Anthracene		ND	U	25	"	"	"	"	8270D
Carbazole		ND	U	25	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	25	"	"	"	"	8270D
Fluoranthene		ND	U	25	"	"	"	"	8270D
Pyrene		ND	U	25	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	25	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	25	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	120	"	"	"	"	8270D
Chrysene		ND	U	25	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	25	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	25	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-19									**Water - Sampled: 08/13/21 08:40**
Sample ID: AMCO-X-19-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
Benzo(b)fluoranthene		ND	U	25	ug/L	B21H051	08/17/21	08/25/21	8270D
Benzo(k)fluoranthene		ND	U	25	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	25	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	25	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	25	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	25	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			55 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			78 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			87 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			87 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			68 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			89 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			82 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			88 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			38 %	*20-179%*		"	"	"	
Lab ID: 2108018-20									**Water - Sampled: 08/13/21 08:35**
Sample ID: AMCO-DUP1-081321									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	U	2.5	ug/L	B21H043	08/16/21	08/16/21	524.2
Chloromethane		ND	U	2.5	"	"	"	"	524.2
Vinyl chloride		3.5		2.5	"	"	"	"	524.2
Bromomethane		ND	C4, J, Q2, Q3, U	2.5	"	"	"	"	524.2
Chloroethane		ND	U	2.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	2.5	"	"	"	"	524.2
1,1-Dichloroethene		ND	U	2.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	2.5	"	"	"	"	524.2
Acetone		ND	U	20	"	"	"	"	524.2
Dichloromethane		ND	U	2.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		3.9		2.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	10	"	"	"	"	524.2
1,1-Dichloroethane		24		2.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	2.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE2	300		10	"	B21H059	08/19/21	08/19/21	524.2
2-Butanone (MEK)		ND	U	20	"	B21H043	08/16/21	08/16/21	524.2
Bromochloromethane		ND	U	2.5	"	"	"	"	524.2
Chloroform		ND	U	2.5	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	U	2.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	2.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108018-20 — **Water - Sampled: 08/13/21 08:35**

Sample ID: AMCO-DUP1-081321

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,1-Dichloropropene		ND	U	2.5	ug/L	B21H043	08/16/21	08/16/21	524.2
Benzene		11		2.5	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	2.5	"	"	"	"	524.2
Trichloroethene	RE2	100		10	"	B21H059	08/19/21	08/19/21	524.2
1,2-Dichloropropane		ND	J, Q2, U	2.5	"	B21H043	08/16/21	08/16/21	524.2
Dibromomethane		ND	J, Q2, U	2.5	"	"	"	"	524.2
Bromodichloromethane		ND	C3, J, U	2.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	2.5	"	"	"	"	524.2
Toluene		30		2.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	C3, J, U	2.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	2.5	"	"	"	"	524.2
Tetrachloroethene	RE2	95		10	"	B21H059	08/19/21	08/19/21	524.2
1,3-Dichloropropane		ND	U	2.5	"	B21H043	08/16/21	08/16/21	524.2
Chlorodibromomethane		ND	U	2.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	2.5	"	"	"	"	524.2
Chlorobenzene		10		2.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	2.5	"	"	"	"	524.2
Ethylbenzene		47		2.5	"	"	"	"	524.2
m&p-Xylene		110		5	"	"	"	"	524.2
o-Xylene	RE2	130		10	"	B21H059	08/19/21	08/19/21	524.2
Styrene		ND	U	2.5	"	B21H043	08/16/21	08/16/21	524.2
Bromoform		ND	C3, J, U	2.5	"	"	"	"	524.2
Isopropylbenzene		4.0		2.5	"	"	"	"	524.2
Bromobenzene		ND	U	2.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	2.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	2.5	"	"	"	"	524.2
Propylbenzene		9.6		2.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	2.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	2.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		64		2.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	2.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		110		2.5	"	"	"	"	524.2
sec-Butylbenzene		3.9		2.5	"	"	"	"	524.2
1,3-Dichlorobenzene		5.0		2.5	"	"	"	"	524.2
p-Isopropyltoluene		25		2.5	"	"	"	"	524.2
1,4-Dichlorobenzene		34		2.5	"	"	"	"	524.2
1,2-Dichlorobenzene	RE2	190		10	"	B21H059	08/19/21	08/19/21	524.2
Butylbenzene		12		2.5	"	B21H043	08/16/21	08/16/21	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-20									**Water - Sampled: 08/13/21 08:35**
Sample ID: AMCO-DUP1-081321									**Volatile Organic Compounds by EPA Method 524.2**
1,2-Dibromo-3-chloropropane		ND	U	10	ug/L	B21H043	08/16/21	08/16/21	524.2
1,2,4-Trichlorobenzene		3.0		2.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	2.5	"	"	"	"	524.2
Naphthalene	RE2	130		10	"	B21H059	08/19/21	08/19/21	524.2
1,2,3-Trichlorobenzene		ND	U	2.5	"	B21H043	08/16/21	08/16/21	524.2
Surrogate: 1,2-Dichloroethane-d4			93 %	*83-116%*		*"*	*"*	*"*	
Surrogate: 1,2-Dichloroethane-d4	*RE2*		99 %	*83-116%*		*B21H059*	*08/19/21*	*08/19/21*	
Surrogate: Toluene-d8			96 %	*81-112%*		*B21H043*	*08/16/21*	*08/16/21*	
Surrogate: Toluene-d8	*RE2*		97 %	*81-112%*		*B21H059*	*08/19/21*	*08/19/21*	
Surrogate: 4-Bromofluorobenzene			101 %	*80-110%*		*B21H043*	*08/16/21*	*08/16/21*	
Surrogate: 4-Bromofluorobenzene	*RE2*		101 %	*80-110%*		*B21H059*	*08/19/21*	*08/19/21*	
Surrogate: 1,2-Dichlorobenzene-d4			**124 %**	*74-113%*		*B21H043*	*08/16/21*	*08/16/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE2*		105 %	*74-113%*		*B21H059*	*08/19/21*	*08/19/21*	
Sample ID: AMCO-DUP1-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE2	11	C1, J	19	"	B21H051	08/17/21	09/01/21	8270D
Phenol		ND	U	95	"	"	"	08/25/21	8270D
Bis(2-chloroethyl)ether		ND	U	19	"	"	"	"	8270D
2-Chlorophenol		ND	U	95	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	19	"	"	"	"	8270D
1,4-Dichlorobenzene		22		19	"	"	"	"	8270D
Benzyl alcohol		ND	U	95	"	"	"	"	8270D
1,2-Dichlorobenzene		140		19	"	"	"	"	8270D
2-Methylphenol		120		95	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	C3, J, U	19	"	"	"	"	8270D
3&4-Methylphenol		ND	U	95	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	19	"	"	"	"	8270D
Hexachloroethane		ND	U	19	"	"	"	"	8270D
Nitrobenzene		ND	U	19	"	"	"	"	8270D
Isophorone		ND	U	19	"	"	"	"	8270D
2-Nitrophenol		ND	U	95	"	"	"	"	8270D
2,4-Dimethylphenol		270	C4, J	95	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	19	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	95	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	19	"	"	"	"	8270D
Naphthalene		100		19	"	"	"	"	8270D
4-Chloroaniline		ND	U	95	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	19	"	"	"	"	8270D
4-Chloro-3-methylphenol		280		95	"	"	"	"	8270D

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Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108018-20									**Water - Sampled: 08/13/21 08:35**
Sample ID: AMCO-DUP1-081321									
						Semivolatile Organic Compounds by EPA Method 8270D			
2-Methylnaphthalene		290		19	ug/L	B21H051	08/17/21	08/25/21	8270D
Hexachlorocyclopentadiene		ND	U, C3, J	95	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	95	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	95	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	19	"	"	"	"	8270D
2-Nitroaniline		ND	U	95	"	"	"	"	8270D
Dimethyl phthalate		ND	U	19	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	19	"	"	"	"	8270D
Acenaphthylene		ND	C3, J, U	19	"	"	"	"	8270D
3-Nitroaniline		ND	U, C3, J	95	"	"	"	"	8270D
Acenaphthene		ND	U	19	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	380	"	"	"	"	8270D
4-Nitrophenol		ND	U	95	"	"	"	"	8270D
Dibenzofuran		ND	U	19	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	19	"	"	"	"	8270D
Diethyl phthalate		ND	U	19	"	"	"	"	8270D
Fluorene		ND	U	19	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	19	"	"	"	"	8270D
4-Nitroaniline		ND	U	95	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	95	"	"	"	"	8270D
Diphenyl amine		ND	J, C3, U	19	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	19	"	"	"	"	8270D
Hexachlorobenzene		ND	U	19	"	"	"	"	8270D
Pentachlorophenol		ND	C4, J, U	380	"	"	"	"	8270D
Phenanthrene		11	C1, J	19	"	"	"	"	8270D
Anthracene		ND	U	19	"	"	"	"	8270D
Carbazole		ND	U	19	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	19	"	"	"	"	8270D
Fluoranthene		ND	U	19	"	"	"	"	8270D
Pyrene		ND	U	19	"	"	"	"	8270D
Butyl benzyl phthalate		ND	J, Q3, U	19	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	19	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	C3, C4, J, U	95	"	"	"	"	8270D
Chrysene		ND	U	19	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	19	"	"	"	"	8270D
Di-n-octyl phthalate		ND	C3, J, Q3, U	19	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	19	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: **2108018-20**									**Water - Sampled: 08/13/21 08:35**
Sample ID: **AMCO-DUP1-081321**									
						Semivolatile Organic Compounds by EPA Method 8270D			
Benzo(k)fluoranthene		ND	U	19	ug/L	B21H051	08/17/21	08/25/21	8270D
Benzo(a)pyrene		ND	U	19	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	19	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	19	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	19	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			56 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			73 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			70 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			72 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			74 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			82 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			66 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			81 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			85 %	*20-179%*		"	"	"	

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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H042 - 3520C CLLE - SVOCs									**Prepared: 08/16/21 Analyzed: 08/20/21**	
									Semivolatile Organic Compounds by EPA Method 8270D - Quality Control	
Blank (B21H042-BLK1)										
1,4-Dioxane	ND	U	1	ug/L						
Phenol	ND	U	5	"						
Bis(2-chloroethyl)ether	ND	U	1	"						
2-Chlorophenol	ND	U	5	"						
1,3-Dichlorobenzene	ND	U	1	"						
1,4-Dichlorobenzene	ND	U	1	"						
Benzyl alcohol	ND	U	5	"						
1,2-Dichlorobenzene	ND	U	1	"						
2-Methylphenol	ND	U	5	"						
Bis(2-chloro-1-methylethyl) ether	ND	U	1	"						
3&4-Methylphenol	ND	U	5	"						
N-Nitrosodipropylamine	ND	U	1	"						
Hexachloroethane	ND	U	1	"						
Nitrobenzene	ND	U	1	"						
Isophorone	ND	U	1	"						
2-Nitrophenol	ND	U	5	"						
2,4-Dimethylphenol	ND	U	5	"						
Bis(2-chloroethoxy)methane	ND	U	1	"						
2,4-Dichlorophenol	ND	U	5	"						
1,2,4-Trichlorobenzene	ND	U	1	"						
Naphthalene	ND	U	1	"						
4-Chloroaniline	ND	U	5	"						
Hexachlorobutadiene	ND	U	1	"						
4-Chloro-3-methylphenol	ND	U	5	"						
2-Methylnaphthalene	ND	U	1	"						
Hexachlorocyclopentadiene	ND	U	5	"						
2,4,6-Trichlorophenol	ND	U	5	"						
2,4,5-Trichlorophenol	ND	U	5	"						
2-Chloronaphthalene	ND	U	1	"						
2-Nitroaniline	ND	U	5	"						
Dimethyl phthalate	ND	U	1	"						
2,6-Dinitrotoluene	ND	U	1	"						
Acenaphthylene	ND	U	1	"						
3-Nitroaniline	ND	U	5	"						
Acenaphthene	ND	U	1	"						
2,4-Dinitrophenol	ND	U	20	"						
4-Nitrophenol	ND	U	5	"						
Dibenzofuran	ND	U	1	"						
2,4-Dinitrotoluene	ND	U	1	"						
Diethyl phthalate	ND	U	1	"						
Fluorene	ND	U	1	"						
4-Chlorophenyl phenyl ether	ND	U	1	"						

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Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H042 - 3520C CLLE - SVOCs										**Prepared: 08/16/21 Analyzed: 08/20/21**
										Semivolatile Organic Compounds by EPA Method 8270D - Quality Control
Blank (B21H042-BLK1)										
4-Nitroaniline	ND	U	5	"						
4,6-Dinitro-2-methylphenol	ND	U	5	"						
Diphenyl amine	ND	U	1	"						
4-Bromophenyl phenyl ether	ND	U	1	"						
Hexachlorobenzene	ND	U	1	"						
Pentachlorophenol	ND	U	20	"						
Phenanthrene	ND	U	1	"						
Anthracene	ND	U	1	"						
Carbazole	ND	U	1	"						
Di-n-butyl phthalate	ND	U	1	"						
Fluoranthene	ND	U	1	"						
Pyrene	ND	U	1	"						
Butyl benzyl phthalate	ND	U	1	"						
Benzo(a)anthracene	ND	U	1	"						
3,3'-Dichlorobenzidine	ND	U	5	"						
Chrysene	ND	U	1	"						
Bis(2-ethylhexyl) phthalate	ND	U	1	"						
Di-n-octyl phthalate	ND	U	1	"						
Benzo(b)fluoranthene	ND	U	1	"						
Benzo(k)fluoranthene	ND	U	1	"						
Benzo(a)pyrene	ND	U	1	"						
Indeno(1,2,3-cd)pyrene	ND	U	1	"						
Dibenz(a,h)anthracene	ND	U	1	"						
Benzo(g,h,i)perylene	ND	U	1	"						
Surrogate: 1,4-Dioxane-d8	*3.45*			*"*	*5.00*		69	*34-110*		
Surrogate: 2-Fluorophenol	*35.5*			*"*	*50.0*		71	*54-110*		
Surrogate: Phenol-d5	*34.1*			*"*	*50.0*		68	*29-127*		
Surrogate: 2-Chlorophenol-d4	*36.4*			*"*	*50.0*		73	*39-121*		
Surrogate: 1,2-Dichlorobenzene-d4	*35.3*			*"*	*50.0*		71	*31-110*		
Surrogate: Nitrobenzene-d5	*36.9*			*"*	*50.0*		74	*35-111*		
Surrogate: 2-Fluorobiphenyl	*35.0*			*"*	*50.0*		70	*32-115*		
Surrogate: 2,4,6-Tribromophenol	*39.5*			*"*	*50.0*		79	*37-150*		
Surrogate: Terphenyl-d14	*28.6*			*"*	*50.0*		57	*20-179*		
LCS (B21H042-BS1)										
1,4-Dioxane	10.7		1	ug/L	10.0		107	82-118		
Phenol	37.2		5	"	50.0		74	48-110		
Bis(2-chloroethyl)ether	8.31		1	"	10.0		83	50-114		
2-Chlorophenol	39		5	"	50.0		78	52-110		
1,3-Dichlorobenzene	7.49		1	"	10.0		75	32-110		

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Region 9 Laboratory
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Batch B21H042 - 3520C CLLE - SVOCs — **Prepared: 08/16/21 Analyzed: 08/20/21**

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
LCS (B21H042-BS1)										
1,4-Dichlorobenzene	7.65		1	"	10.0		76	32-110		
Benzyl alcohol	41.9		5	"	50.0		84	52-110		
1,2-Dichlorobenzene	7.83		1	"	10.0		78	34-110		
2-Methylphenol	38.6		5	"	50.0		77	56-110		
Bis(2-chloro-1-methylethyl) ether	8.32		1	"	10.0		83	36-132		
3&4-Methylphenol	43.3		5	"	50.0		87	59-117		
N-Nitrosodipropylamine	8.38		1	"	10.0		84	54-110		
Hexachloroethane	6.1		1	"	10.0		61	27-110		
Nitrobenzene	8.46		1	"	10.0		85	55-114		
Isophorone	7.57		1	"	10.0		76	56-110		
2-Nitrophenol	39.1		5	"	50.0		78	55-111		
2,4-Dimethylphenol	41		5	"	50.0		82	36-125		
Bis(2-chloroethoxy)methane	8.22		1	"	10.0		82	47-114		
2,4-Dichlorophenol	43.1		5	"	50.0		86	56-116		
1,2,4-Trichlorobenzene	8.01		1	"	10.0		80	32-110		
Naphthalene	8.66		1	"	10.0		87	44-110		
4-Chloroaniline	39		5	"	50.0		78	20-142		
Hexachlorobutadiene	5.76		1	"	10.0		58	26-110		
4-Chloro-3-methylphenol	42.6		5	"	50.0		85	52-121		
2-Methylnaphthalene	8.7		1	"	10.0		87	43-110		
Hexachlorocyclopentadiene	29.6		5	"	50.0		59	20-110		
2,4,6-Trichlorophenol	39.3		5	"	50.0		79	57-117		
2,4,5-Trichlorophenol	41.4		5	"	50.0		83	51-127		
2-Chloronaphthalene	8.23		1	"	10.0		82	47-110		
2-Nitroaniline	42.4		5	"	50.0		85	57-121		
Dimethyl phthalate	8.84		1	"	10.0		88	64-122		
2,6-Dinitrotoluene	9.08		1	"	10.0		91	61-116		
Acenaphthylene	7.98		1	"	10.0		80	53-110		
3-Nitroaniline	42.1		5	"	50.0		84	20-164		
Acenaphthene	11.3		1	"	10.0		113	79-146		
2,4-Dinitrophenol	53.7		20	"	50.0		107	40-141		
4-Nitrophenol	49.2		5	"	50.0		98	62-140		
Dibenzofuran	8.84		1	"	10.0		88	57-112		
2,4-Dinitrotoluene	9.63		1	"	10.0		96	60-120		
Diethyl phthalate	8.93		1	"	10.0		89	61-127		
Fluorene	8.98		1	"	10.0		90	58-117		
4-Chlorophenyl phenyl ether	9.04		1	"	10.0		90	53-112		
4-Nitroaniline	42.5		5	"	50.0		85	30-120		
4,6-Dinitro-2-methylphenol	48.8		5	"	50.0		98	60-149		
Diphenyl amine	7.97		1	"	10.0		80	21-115		
4-Bromophenyl phenyl ether	8.57		1	"	10.0		86	56-110		
Hexachlorobenzene	8.22		1	"	10.0		82	55-110		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H042 - 3520C CLLE - SVOCs									**Prepared: 08/16/21 Analyzed: 08/20/21**	
									Semivolatile Organic Compounds by EPA Method 8270D - Quality Control	
LCS (B21H042-BS1)										
Pentachlorophenol	46.2		20	"	50.0		92	56-116		
Phenanthrene	8.6		1	"	10.0		86	53-123		
Anthracene	8.64		1	"	10.0		86	54-122		
Carbazole	8.72		1	"	10.0		87	23-126		
Di-n-butyl phthalate	9.39		1	"	10.0		94	66-126		
Fluoranthene	9.44		1	"	10.0		94	59-124		
Pyrene	8.75		1	"	10.0		88	54-133		
Butyl benzyl phthalate	8.57		1	"	10.0		86	56-135		
Benzo(a)anthracene	8.1		1	"	10.0		81	55-129		
3,3'-Dichlorobenzidine	36		5	"	50.0		72	20-128		
Chrysene	8.48		1	"	10.0		85	58-129		
Bis(2-ethylhexyl) phthalate	8.39		1	"	10.0		84	53-152		
Di-n-octyl phthalate	9.1		1	"	10.0		91	33-160		
Benzo(b)fluoranthene	9.11		1	"	10.0		91	36-151		
Benzo(k)fluoranthene	9.53		1	"	10.0		95	36-155		
Benzo(a)pyrene	9.1		1	"	10.0		91	36-132		
Indeno(1,2,3-cd)pyrene	8.9		1	"	10.0		89	35-151		
Dibenz(a,h)anthracene	9.29		1	"	10.0		93	29-165		
Benzo(g,h,i)perylene	9.04		1	"	10.0		90	42-147		
Surrogate: 1,4-Dioxane-d8	*3.36*			*"*	*5.00*		67	*34-110*		
Surrogate: 2-Fluorophenol	*37.2*			*"*	*50.0*		74	*54-110*		
Surrogate: Phenol-d5	*35.9*			*"*	*50.0*		72	*29-127*		
Surrogate: 2-Chlorophenol-d4	*38.6*			*"*	*50.0*		77	*39-121*		
Surrogate: 1,2-Dichlorobenzene-d4	*36.6*			*"*	*50.0*		73	*31-110*		
Surrogate: Nitrobenzene-d5	*39.0*			*"*	*50.0*		78	*35-111*		
Surrogate: 2-Fluorobiphenyl	*35.0*			*"*	*50.0*		70	*32-115*		
Surrogate: 2,4,6-Tribromophenol	*45.7*			*"*	*50.0*		91	*37-150*		
Surrogate: Terphenyl-d14	*27.5*			*"*	*50.0*		55	*20-179*		
Matrix Spike (B21H042-MS1)		**Source: 2108018-08**								
1,4-Dioxane	204		10	ug/L	9.58	126	**811**	82-118		
Phenol	35	J	50	"	47.9	ND	73	48-110		
Bis(2-chloroethyl)ether	7.18	J	10	"	9.58	ND	75	50-114		
2-Chlorophenol	34.9	J	50	"	47.9	ND	73	52-110		
1,3-Dichlorobenzene	5.27	J	10	"	9.58	ND	55	32-110		
1,4-Dichlorobenzene	5.17	J	10	"	9.58	ND	54	32-110		
Benzyl alcohol	36.5	J	50	"	47.9	ND	76	52-110		
1,2-Dichlorobenzene	6.03	J	10	"	9.58	ND	63	34-110		
2-Methylphenol	38	J	50	"	47.9	ND	79	56-110		
Bis(2-chloro-1-methylethyl) ether	6.89	J	10	"	9.58	ND	72	36-132		

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H042 - 3520C CLLE - SVOCs									**Prepared: 08/16/21 Analyzed: 08/25/21**	
								Semivolatile Organic Compounds by EPA Method 8270D - Quality Control		
Matrix Spike (B21H042-MS1)		**Source: 2108018-08**								
3&4-Methylphenol	42.2	J	50	"	47.9	ND	88	59-117		
N-Nitrosodipropylamine	7.56	J	10	"	9.58	ND	79	54-110		
Hexachloroethane	ND	U	10	"	9.58	ND		27-110		
Nitrobenzene	8.14	J	10	"	9.58	ND	85	55-114		
Isophorone	7.09	J	10	"	9.58	ND	74	56-110		
2-Nitrophenol	36.1	J	50	"	47.9	ND	75	55-111		
2,4-Dimethylphenol	44.1	J	50	"	47.9	ND	92	36-125		
Bis(2-chloroethoxy)methane	7.66	J	10	"	9.58	ND	80	47-114		
2,4-Dichlorophenol	39.6	J	50	"	47.9	ND	83	56-116		
1,2,4-Trichlorobenzene	6.42	J	10	"	9.58	ND	67	32-110		
Naphthalene	7.28	J	10	"	9.58	ND	76	44-110		
4-Chloroaniline	ND	U	50	"	47.9	ND		20-142		
Hexachlorobutadiene	5.17	J	10	"	9.58	ND	54	26-110		
4-Chloro-3-methylphenol	43.6	J	50	"	47.9	ND	91	52-121		
2-Methylnaphthalene	7.18	J	10	"	9.58	ND	75	43-110		
Hexachlorocyclopentadiene	ND	U	50	"	47.9	ND		20-110		
2,4,6-Trichlorophenol	39.3	J	50	"	47.9	ND	82	57-117		
2,4,5-Trichlorophenol	39.5	J	50	"	47.9	ND	82	51-127		
2-Chloronaphthalene	7.09	J	10	"	9.58	ND	74	47-110		
2-Nitroaniline	39.5	J	50	"	47.9	ND	82	57-121		
Dimethyl phthalate	8.33	J	10	"	9.58	ND	87	64-122		
2,6-Dinitrotoluene	8.52	J	10	"	9.58	ND	89	61-116		
Acenaphthylene	6.61	J	10	"	9.58	ND	69	53-110		
3-Nitroaniline	ND	U	50	"	47.9	ND		20-164		
Acenaphthene	8.43	J	10	"	9.58	ND	88	79-146		
2,4-Dinitrophenol	ND	U	200	"	47.9	ND		40-141		
4-Nitrophenol	40	J	50	"	47.9	ND	84	62-140		
Dibenzofuran	7.56	J	10	"	9.58	ND	79	57-112		
2,4-Dinitrotoluene	7.66	J	10	"	9.58	ND	80	60-120		
Diethyl phthalate	9.58	J	10	"	9.58	ND	100	61-127		
Fluorene	7.76	J	10	"	9.58	ND	81	58-117		
4-Chlorophenyl phenyl ether	7.18	J	10	"	9.58	ND	75	53-112		
4-Nitroaniline	ND	U	50	"	47.9	ND		30-120		
4,6-Dinitro-2-methylphenol	39.4	J	50	"	47.9	ND	82	60-149		
Diphenyl amine	6.7	J	10	"	9.58	ND	70	21-115		
4-Bromophenyl phenyl ether	6.89	J	10	"	9.58	ND	72	56-110		
Hexachlorobenzene	6.51	J	10	"	9.58	ND	68	55-110		
Pentachlorophenol	32.8	J	200	"	47.9	ND	69	56-116		
Phenanthrene	7.37	J	10	"	9.58	ND	77	53-123		
Anthracene	6.22	J	10	"	9.58	ND	65	54-122		
Carbazole	9.19	J	10	"	9.58	ND	96	23-126		
Di-n-butyl phthalate	6.99	J	10	"	9.58	ND	73	66-126		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H042 - 3520C CLLE - SVOCs									**Prepared: 08/16/21 Analyzed: 08/25/21**	
								Semivolatile Organic Compounds by EPA Method 8270D - Quality Control		
Matrix Spike (B21H042-MS1)		**Source: 2108018-08**								
Fluoranthene	6.32	J	10	"	9.58	ND	66	59-124		
Pyrene	7.85	J	10	"	9.58	ND	82	54-133		
Butyl benzyl phthalate	8.33	J	10	"	9.58	ND	87	56-135		
Benzo(a)anthracene	7.56	J	10	"	9.58	ND	79	55-159		
3,3'-Dichlorobenzidine	ND	U	50	"	47.9	ND		20-128		
Chrysene	7.09	J	10	"	9.58	ND	74	58-129		
Bis(2-ethylhexyl) phthalate	7.76	J	10	"	9.58	ND	81	53-152		
Di-n-octyl phthalate	8.04	J	10	"	9.58	ND	84	33-160		
Benzo(b)fluoranthene	7.28	J	10	"	9.58	ND	76	36-151		
Benzo(k)fluoranthene	7.28	J	10	"	9.58	ND	76	36-155		
Benzo(a)pyrene	7.56	J	10	"	9.58	ND	79	36-132		
Indeno(1,2,3-cd)pyrene	6.8	J	10	"	9.58	ND	71	35-151		
Dibenz(a,h)anthracene	6.99	J	10	"	9.58	ND	73	29-165		
Benzo(g,h,i)perylene	7.56	J	10	"	9.58	ND	79	42-147		
Surrogate: 1,4-Dioxane-d8	*3.10*			*"*	*5.00*		62	*34-110*		
Surrogate: 2-Fluorophenol	*36.8*			*"*	*50.0*		74	*54-110*		
Surrogate: Phenol-d5	*36.6*			*"*	*50.0*		73	*29-127*		
Surrogate: 2-Chlorophenol-d4	*36.8*			*"*	*50.0*		74	*39-121*		
Surrogate: 1,2-Dichlorobenzene-d4	*28.6*			*"*	*50.0*		57	*31-110*		
Surrogate: Nitrobenzene-d5	*39.1*			*"*	*50.0*		78	*35-111*		
Surrogate: 2-Fluorobiphenyl	*34.6*			*"*	*50.0*		69	*32-115*		
Surrogate: 2,4,6-Tribromophenol	*39.4*			*"*	*50.0*		79	*37-150*		
Surrogate: Terphenyl-d14	*17.0*			*"*	*50.0*		34	*20-179*		
Matrix Spike Dup (B21H042-MSD1)		**Source: 2108018-08**								
1,4-Dioxane	245		10	ug/L	9.56	126	**NR**	82-118	19	20
Phenol	33	J	50	"	47.8	ND	69	48-110	6	20
Bis(2-chloroethyl)ether	6.41	J	10	"	9.56	ND	67	50-114	11	20
2-Chlorophenol	32.3	J	50	"	47.8	ND	68	52-110	8	20
1,3-Dichlorobenzene	5.45	J	10	"	9.56	ND	57	32-110	3	20
1,4-Dichlorobenzene	5.64	J	10	"	9.56	ND	59	32-110	9	20
Benzyl alcohol	33.1	J	50	"	47.8	ND	69	52-110	10	20
1,2-Dichlorobenzene	5.93	J	10	"	9.56	ND	62	34-110	2	20
2-Methylphenol	33.8	J	50	"	47.8	ND	71	56-110	12	20
Bis(2-chloro-1-methylethyl) ether	6.41	J	10	"	9.56	ND	67	36-132	7	20
3&4-Methylphenol	37.6	J	50	"	47.8	ND	79	59-117	12	20
N-Nitrosodipropylamine	6.79	J	10	"	9.56	ND	71	54-110	11	20
Hexachloroethane	ND	U	10	"	9.56	ND		27-110		20
Nitrobenzene	7.08	J	10	"	9.56	ND	74	55-114	14	20
Isophorone	6.5	J	10	"	9.56	ND	68	56-110	9	20

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Batch B21H042 - 3520C CLLE - SVOCs — **Prepared: 08/16/21 Analyzed: 08/25/21**

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

Matrix Spike Dup (B21H042-MSD1) — **Source: 2108018-08**

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
2-Nitrophenol	32.1	J	50	"	47.8	ND	67	55-111	12	20
2,4-Dimethylphenol	35.7	J	50	"	47.8	ND	75	36-125	**21**	20
Bis(2-chloroethoxy)methane	6.79	J	10	"	9.56	ND	71	47-114	12	20
2,4-Dichlorophenol	36.6	J	50	"	47.8	ND	77	56-116	8	20
1,2,4-Trichlorobenzene	6.03	J	10	"	9.56	ND	63	32-110	6	20
Naphthalene	6.7	J	10	"	9.56	ND	70	44-110	8	20
4-Chloroaniline	ND	U	50	"	47.8	ND		20-142		20
Hexachlorobutadiene	ND	U	10	"	9.56	ND		26-110		20
4-Chloro-3-methylphenol	38.5	J	50	"	47.8	ND	81	52-121	12	20
2-Methylnaphthalene	6.89	J	10	"	9.56	ND	72	43-110	4	20
Hexachlorocyclopentadiene	ND	U	50	"	47.8	ND		20-110		20
2,4,6-Trichlorophenol	37	J	50	"	47.8	ND	77	57-117	6	20
2,4,5-Trichlorophenol	37.1	J	50	"	47.8	ND	78	51-127	6	20
2-Chloronaphthalene	6.6	J	10	"	9.56	ND	69	47-110	7	20
2-Nitroaniline	34.4	J	50	"	47.8	ND	72	57-121	14	20
Dimethyl phthalate	7.75	J	10	"	9.56	ND	81	64-122	7	20
2,6-Dinitrotoluene	7.65	J	10	"	9.56	ND	80	61-116	11	20
Acenaphthylene	5.83	J	10	"	9.56	ND	61	53-110	12	20
3-Nitroaniline	ND	U	50	"	47.8	ND		20-164		20
Acenaphthene	7.36	J	10	"	9.56	ND	**77**	79-146	13	20
2,4-Dinitrophenol	ND	U	200	"	47.8	ND		40-141		20
4-Nitrophenol	36.4	J	50	"	47.8	ND	76	62-140	9	20
Dibenzofuran	6.89	J	10	"	9.56	ND	72	57-112	9	20
2,4-Dinitrotoluene	8.03	J	10	"	9.56	ND	84	60-120	5	20
Diethyl phthalate	8.61	J	10	"	9.56	ND	90	61-127	11	20
Fluorene	6.98	J	10	"	9.56	ND	73	58-117	11	20
4-Chlorophenyl phenyl ether	6.5	J	10	"	9.56	ND	68	53-112	10	20
4-Nitroaniline	ND	U	50	"	47.8	ND		30-120		20
4,6-Dinitro-2-methylphenol	37.2	J	50	"	47.8	ND	78	60-149	6	20
Diphenyl amine	6.22	J	10	"	9.56	ND	65	21-115	8	20
4-Bromophenyl phenyl ether	6.41	J	10	"	9.56	ND	67	56-110	7	20
Hexachlorobenzene	5.93	J	10	"	9.56	ND	62	55-110	9	20
Pentachlorophenol	30	J	200	"	47.8	ND	63	56-116	9	20
Phenanthrene	7.17	J	10	"	9.56	ND	75	53-123	3	20
Anthracene	5.45	J	10	"	9.56	ND	57	54-122	13	20
Carbazole	9.37	J	10	"	9.56	ND	98	23-126	2	20
Di-n-butyl phthalate	6.31	J	10	"	9.56	ND	66	66-126	10	20
Fluoranthene	6.03	J	10	"	9.56	ND	63	59-124	5	20
Pyrene	7.56	J	10	"	9.56	ND	79	54-133	4	20
Butyl benzyl phthalate	7.65	J	10	"	9.56	ND	80	56-135	8	20
Benzo(a)anthracene	6.98	J	10	"	9.56	ND	73	55-159	8	20
3,3'-Dichlorobenzidine	ND	U	50	"	47.8	ND		20-128		20

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H042 - 3520C CLLE - SVOCs									**Prepared: 08/16/21 Analyzed: 08/25/21**	
								Semivolatile Organic Compounds by EPA Method 8270D - Quality Control		
Matrix Spike Dup (B21H042-MSD1)		**Source: 2108018-08**								
Chrysene	6.7	J	10	"	9.56	ND	70	58-129	6	20
Bis(2-ethylhexyl) phthalate	7.27	J	10	"	9.56	ND	76	53-152	6	20
Di-n-octyl phthalate	7.65	J	10	"	9.56	ND	80	33-160	5	20
Benzo(b)fluoranthene	6.79	J	10	"	9.56	ND	71	36-151	7	20
Benzo(k)fluoranthene	7.08	J	10	"	9.56	ND	74	36-155	3	20
Benzo(a)pyrene	7.27	J	10	"	9.56	ND	76	36-132	4	20
Indeno(1,2,3-cd)pyrene	6.41	J	10	"	9.56	ND	67	35-151	6	20
Dibenz(a,h)anthracene	6.41	J	10	"	9.56	ND	67	29-165	9	20
Benzo(g,h,i)perylene	6.79	J	10	"	9.56	ND	71	42-147	11	20
Surrogate: 1,4-Dioxane-d8	*2.70*			*"*	*5.00*		54	*34-110*		
Surrogate: 2-Fluorophenol	*34.5*			*"*	*50.0*		69	*54-110*		
Surrogate: Phenol-d5	*34.0*			*"*	*50.0*		68	*29-127*		
Surrogate: 2-Chlorophenol-d4	*34.3*			*"*	*50.0*		69	*39-121*		
Surrogate: 1,2-Dichlorobenzene-d4	*29.6*			*"*	*50.0*		59	*31-110*		
Surrogate: Nitrobenzene-d5	*35.1*			*"*	*50.0*		70	*35-111*		
Surrogate: 2-Fluorobiphenyl	*33.7*			*"*	*50.0*		67	*32-115*		
Surrogate: 2,4,6-Tribromophenol	*38.2*			*"*	*50.0*		76	*37-150*		
Surrogate: Terphenyl-d14	*15.4*			*"*	*50.0*		31	*20-179*		
Batch B21H043 - 5030 P&T VOA - VOCs									**Prepared & Analyzed: 08/16/21**	
								Volatile Organic Compounds by EPA Method 524.2 - Quality Control		
Blank (B21H043-BLK1)										
Dichlorodifluoromethane	ND	U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	C4, J, Q2, Q3, U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	U	4	"						
Dichloromethane	ND	U	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H043 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H043-BLK1)										
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	J, Q2, U	0.5	"						
Dibromomethane	ND	J, Q2, U	0.5	"						
Bromodichloromethane	ND	C3, J, U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	C3, J, U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	C3, J, U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						

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Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H043 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H043-BLK1)										
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*5.48*			*"*	*5.00*		110	*83-116*		
Surrogate: Toluene-d8	*4.81*			*"*	*5.00*		96	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.47*			*"*	*5.00*		89	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.75*			*"*	*5.00*		95	*74-113*		
LCS (B21H043-BS1)										
Dichlorodifluoromethane	4.77		0.5	ug/L	5.00		95	70-128		
Chloromethane	4.24		0.5	"	5.00		85	63-123		
Vinyl chloride	4.36		0.5	"	5.00		87	70-130		
Bromomethane	1.1		0.5	"	5.00		**22**	31-150		
Chloroethane	4.76		0.5	"	5.00		95	74-119		
Trichlorofluoromethane	4.59		0.5	"	5.00		92	72-123		
1,1-Dichloroethene	4.65		0.5	"	5.00		93	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	4.6		0.5	"	5.00		92	73-129		
Acetone	38.1		4	"	40.0		95	61-114		
Dichloromethane	5.03		0.5	"	5.00		101	70-130		
trans-1,2-Dichloroethene	4.57		0.5	"	5.00		91	70-130		
tert-Butyl methyl ether (MTBE)	18.3		2	"	20.0		91	62-117		
1,1-Dichloroethane	4.78		0.5	"	5.00		96	74-115		
2,2-Dichloropropane	4.98		0.5	"	5.00		100	64-144		
cis-1,2-Dichloroethene	4.73		0.5	"	5.00		95	70-130		
2-Butanone (MEK)	41.2		4	"	40.0		103	57-121		
Bromochloromethane	4.68		0.5	"	5.00		94	71-122		
Chloroform	4.86		0.5	"	5.00		97	70-130		
1,1,1-Trichloroethane	4.79		0.5	"	5.00		96	70-130		
Carbon tetrachloride	4.88		0.5	"	5.00		98	70-130		
1,1-Dichloropropene	4.87		0.5	"	5.00		97	71-119		
Benzene	4.87		0.5	"	5.00		97	70-130		
1,2-Dichloroethane	4.81		0.5	"	5.00		96	70-130		
Trichloroethene	4.79		0.5	"	5.00		96	70-130		
1,2-Dichloropropane	3.02		0.5	"	5.00		**60**	70-130		
Dibromomethane	3.18		0.5	"	5.00		**64**	72-121		
Bromodichloromethane	3.95		0.5	"	5.00		79	70-130		
cis-1,3-Dichloropropene	5.03		0.5	"	5.00		101	68-120		
Toluene	4.91		0.5	"	5.00		98	70-130		
trans-1,3-Dichloropropene	5.06		0.5	"	5.00		101	64-126		
1,1,2-Trichloroethane	4.96		0.5	"	5.00		99	70-130		
Tetrachloroethene	4.77		0.5	"	5.00		95	70-130		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H043 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H043-BS1)										
1,3-Dichloropropane	4.94		0.5	"	5.00		99	80-114		
Chlorodibromomethane	4.92		0.5	"	5.00		98	70-130		
1,2-Dibromoethane (EDB)	4.85		0.5	"	5.00		97	80-115		
Chlorobenzene	4.69		0.5	"	5.00		94	70-130		
1,1,1,2-Tetrachloroethane	4.84		0.5	"	5.00		97	82-116		
Ethylbenzene	4.97		0.5	"	5.00		99	70-130		
m&p-Xylene	9.85		1	"	10.0		98	70-130		
o-Xylene	4.93		0.5	"	5.00		99	70-130		
Styrene	4.95		0.5	"	5.00		99	70-130		
Bromoform	4.71		0.5	"	5.00		94	70-130		
Isopropylbenzene	4.99		0.5	"	5.00		100	86-114		
Bromobenzene	4.63		0.5	"	5.00		93	84-110		
1,1,2,2-Tetrachloroethane	4.86		0.5	"	5.00		97	81-113		
1,2,3-Trichloropropane	4.93		0.5	"	5.00		99	81-114		
Propylbenzene	5.02		0.5	"	5.00		100	87-115		
2-Chlorotoluene	4.89		0.5	"	5.00		98	84-111		
4-Chlorotoluene	4.94		0.5	"	5.00		99	82-112		
1,3,5-Trimethylbenzene	4.93		0.5	"	5.00		99	85-113		
tert-Butylbenzene	4.95		0.5	"	5.00		99	86-114		
1,2,4-Trimethylbenzene	4.91		0.5	"	5.00		98	84-114		
sec-Butylbenzene	4.97		0.5	"	5.00		99	87-119		
1,3-Dichlorobenzene	4.74		0.5	"	5.00		95	85-110		
p-Isopropyltoluene	4.87		0.5	"	5.00		97	86-117		
1,4-Dichlorobenzene	4.64		0.5	"	5.00		93	70-130		
1,2-Dichlorobenzene	4.62		0.5	"	5.00		92	70-130		
Butylbenzene	5		0.5	"	5.00		100	85-118		
1,2-Dibromo-3-chloropropane	20		2	"	20.0		100	54-133		
1,2,4-Trichlorobenzene	4.59		0.5	"	5.00		92	70-130		
Hexachlorobutadiene	4.06		0.5	"	5.00		81	66-113		
Naphthalene	4.9		0.5	"	5.00		98	58-126		
1,2,3-Trichlorobenzene	4.48		0.5	"	5.00		90	65-119		
Surrogate: 1,2-Dichloroethane-d4	*5.29*			*"*	*5.00*		106	*83-116*		
Surrogate: Toluene-d8	*5.23*			*"*	*5.00*		105	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.93*			*"*	*5.00*		99	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.08*			*"*	*5.00*		102	*74-113*		
Batch B21H044 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H044-BLK1)										
Dichlorodifluoromethane	ND	C3, J, U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H044 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H044-BLK1)										
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	C3, J, U	4	"						
Dichloromethane	ND	U	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H044 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H044-BLK1)										
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*5.41*			*"*	*5.00*		108	*83-116*		
Surrogate: Toluene-d8	*4.98*			*"*	*5.00*		100	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.88*			*"*	*5.00*		98	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.82*			*"*	*5.00*		96	*74-113*		
LCS (B21H044-BS1)										
Dichlorodifluoromethane	5.7		0.5	ug/L	5.00		114	70-128		
Chloromethane	4.9		0.5	"	5.00		98	63-123		
Vinyl chloride	5.02		0.5	"	5.00		100	70-130		
Bromomethane	3.67		0.5	"	5.00		73	31-150		
Chloroethane	4.64		0.5	"	5.00		93	74-119		
Trichlorofluoromethane	5.09		0.5	"	5.00		102	72-123		
1,1-Dichloroethene	4.84		0.5	"	5.00		97	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.4		0.5	"	5.00		108	73-129		
Acetone	31		4	"	40.0		77	61-114		
Dichloromethane	4.47		0.5	"	5.00		89	70-130		
trans-1,2-Dichloroethene	4.74		0.5	"	5.00		95	70-130		
tert-Butyl methyl ether (MTBE)	17.9		2	"	20.0		90	62-117		
1,1-Dichloroethane	4.51		0.5	"	5.00		90	74-115		
2,2-Dichloropropane	4.85		0.5	"	5.00		97	64-144		
cis-1,2-Dichloroethene	4.64		0.5	"	5.00		93	70-130		
2-Butanone (MEK)	40.4		4	"	40.0		101	57-121		

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Region 9 Laboratory
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H044 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H044-BS1)										
Bromochloromethane	4.73		0.5	"	5.00		95	71-122		
Chloroform	4.78		0.5	"	5.00		96	70-130		
1,1,1-Trichloroethane	5		0.5	"	5.00		100	70-130		
Carbon tetrachloride	5.26		0.5	"	5.00		105	70-130		
1,1-Dichloropropene	5.13		0.5	"	5.00		103	71-119		
Benzene	4.87		0.5	"	5.00		97	70-130		
1,2-Dichloroethane	4.71		0.5	"	5.00		94	70-130		
Trichloroethene	4.83		0.5	"	5.00		97	70-130		
1,2-Dichloropropane	4.97		0.5	"	5.00		99	70-130		
Dibromomethane	4.92		0.5	"	5.00		98	72-121		
Bromodichloromethane	4.81		0.5	"	5.00		96	70-130		
cis-1,3-Dichloropropene	4.84		0.5	"	5.00		97	68-120		
Toluene	4.85		0.5	"	5.00		97	70-130		
trans-1,3-Dichloropropene	4.86		0.5	"	5.00		97	64-126		
1,1,2-Trichloroethane	4.97		0.5	"	5.00		99	70-130		
Tetrachloroethene	5.19		0.5	"	5.00		104	70-130		
1,3-Dichloropropane	5.04		0.5	"	5.00		101	80-114		
Chlorodibromomethane	4.8		0.5	"	5.00		96	70-130		
1,2-Dibromoethane (EDB)	4.93		0.5	"	5.00		99	80-115		
Chlorobenzene	4.81		0.5	"	5.00		96	70-130		
1,1,1,2-Tetrachloroethane	4.88		0.5	"	5.00		98	82-116		
Ethylbenzene	4.89		0.5	"	5.00		98	70-130		
m&p-Xylene	9.63		1	"	10.0		96	70-130		
o-Xylene	4.72		0.5	"	5.00		94	70-130		
Styrene	4.86		0.5	"	5.00		97	70-130		
Bromoform	4.84		0.5	"	5.00		97	70-130		
Isopropylbenzene	4.91		0.5	"	5.00		98	86-114		
Bromobenzene	4.71		0.5	"	5.00		94	84-110		
1,1,2,2-Tetrachloroethane	5.02		0.5	"	5.00		100	81-113		
1,2,3-Trichloropropane	5.06		0.5	"	5.00		101	81-114		
Propylbenzene	4.97		0.5	"	5.00		99	87-115		
2-Chlorotoluene	4.82		0.5	"	5.00		96	84-111		
4-Chlorotoluene	4.91		0.5	"	5.00		98	82-112		
1,3,5-Trimethylbenzene	4.87		0.5	"	5.00		97	85-113		
tert-Butylbenzene	4.86		0.5	"	5.00		97	86-114		
1,2,4-Trimethylbenzene	4.85		0.5	"	5.00		97	84-114		
sec-Butylbenzene	5.02		0.5	"	5.00		100	87-119		
1,3-Dichlorobenzene	4.78		0.5	"	5.00		96	85-110		
p-Isopropyltoluene	5		0.5	"	5.00		100	86-117		
1,4-Dichlorobenzene	4.74		0.5	"	5.00		95	70-130		
1,2-Dichlorobenzene	4.72		0.5	"	5.00		94	70-130		
Butylbenzene	5.03		0.5	"	5.00		101	85-118		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H044 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H044-BS1)										
1,2-Dibromo-3-chloropropane	18.6		2	"	20.0		93	54-133		
1,2,4-Trichlorobenzene	4.6		0.5	"	5.00		92	70-130		
Hexachlorobutadiene	5.16		0.5	"	5.00		103	66-113		
Naphthalene	4.62		0.5	"	5.00		92	58-126		
1,2,3-Trichlorobenzene	4.73		0.5	"	5.00		95	65-119		
Surrogate: 1,2-Dichloroethane-d4	*5.17*			*"*	*5.00*		103	*83-116*		
Surrogate: Toluene-d8	*5.06*			*"*	*5.00*		101	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.94*			*"*	*5.00*		99	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.12*			*"*	*5.00*		102	*74-113*		
Batch B21H047 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H047-BLK1)										
Dichlorodifluoromethane	ND	U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	U	4	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						

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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H047 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H047-BLK1)										
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
Hexachlorobutadiene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*5.09*			*"*	*5.00*		102	*83-116*		
Surrogate: Toluene-d8	*5.05*			*"*	*5.00*		101	*81-112*		
Surrogate: 4-Bromofluorobenzene	*5.44*			*"*	*5.00*		109	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.80*			*"*	*5.00*		96	*74-113*		
LCS (B21H047-BS1)										
Dichlorodifluoromethane	4.94		0.5	ug/L	5.00		99	70-128		
Chloromethane	5.08		0.5	"	5.00		102	63-123		
Vinyl chloride	5.02		0.5	"	5.00		100	70-130		
Bromomethane	4.48		0.5	"	5.00		90	31-150		
Chloroethane	5.03		0.5	"	5.00		101	74-119		

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Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H047 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H047-BS1)										
Trichlorofluoromethane	4.96		0.5	"	5.00		99	72-123		
1,1-Dichloroethene	4.99		0.5	"	5.00		100	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.06		0.5	"	5.00		101	73-129		
Acetone	33.8		4	"	40.0		85	61-114		
Dichloromethane	4.09		0.5	"	5.00		82	70-130		
trans-1,2-Dichloroethene	5.05		0.5	"	5.00		101	70-130		
tert-Butyl methyl ether (MTBE)	20.4		2	"	20.0		102	62-117		
1,1-Dichloroethane	5.07		0.5	"	5.00		101	74-115		
2,2-Dichloropropane	5.12		0.5	"	5.00		102	64-144		
cis-1,2-Dichloroethene	5.01		0.5	"	5.00		100	70-130		
2-Butanone (MEK)	39.3		4	"	40.0		98	57-121		
Bromochloromethane	4.92		0.5	"	5.00		98	71-122		
Chloroform	4.99		0.5	"	5.00		100	70-130		
1,1,1-Trichloroethane	4.96		0.5	"	5.00		99	70-130		
Carbon tetrachloride	4.93		0.5	"	5.00		99	70-130		
1,1-Dichloropropene	4.94		0.5	"	5.00		99	71-119		
Benzene	5.01		0.5	"	5.00		100	70-130		
1,2-Dichloroethane	4.93		0.5	"	5.00		99	70-130		
Trichloroethene	4.98		0.5	"	5.00		100	70-130		
1,2-Dichloropropane	4.99		0.5	"	5.00		100	70-130		
Dibromomethane	5.02		0.5	"	5.00		100	72-121		
Bromodichloromethane	4.99		0.5	"	5.00		100	70-130		
cis-1,3-Dichloropropene	5.13		0.5	"	5.00		103	68-120		
Toluene	4.96		0.5	"	5.00		99	70-130		
trans-1,3-Dichloropropene	4.94		0.5	"	5.00		99	64-126		
1,1,2-Trichloroethane	4.99		0.5	"	5.00		100	70-130		
Tetrachloroethene	4.85		0.5	"	5.00		97	70-130		
1,3-Dichloropropane	4.99		0.5	"	5.00		100	80-114		
Chlorodibromomethane	4.97		0.5	"	5.00		99	70-130		
1,2-Dibromoethane (EDB)	4.92		0.5	"	5.00		98	80-115		
Chlorobenzene	4.92		0.5	"	5.00		98	70-130		
1,1,1,2-Tetrachloroethane	4.97		0.5	"	5.00		99	82-116		
Ethylbenzene	4.94		0.5	"	5.00		99	70-130		
m&p-Xylene	9.9		1	"	10.0		99	70-130		
o-Xylene	4.96		0.5	"	5.00		99	70-130		
Styrene	4.96		0.5	"	5.00		99	70-130		
Bromoform	5.14		0.5	"	5.00		103	70-130		
Isopropylbenzene	5.19		0.5	"	5.00		104	86-114		
Bromobenzene	5.47		0.5	"	5.00		109	84-110		
1,1,2,2-Tetrachloroethane	5.6		0.5	"	5.00		112	81-113		
1,2,3-Trichloropropane	5.52		0.5	"	5.00		110	81-114		
Propylbenzene	5.15		0.5	"	5.00		103	87-115		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H047 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H047-BS1)										
2-Chlorotoluene	5.04		0.5	"	5.00		101	84-111		
4-Chlorotoluene	5.02		0.5	"	5.00		100	82-112		
1,3,5-Trimethylbenzene	5.02		0.5	"	5.00		100	85-113		
tert-Butylbenzene	4.94		0.5	"	5.00		99	86-114		
1,2,4-Trimethylbenzene	5.02		0.5	"	5.00		100	84-114		
sec-Butylbenzene	4.95		0.5	"	5.00		99	87-119		
1,3-Dichlorobenzene	4.94		0.5	"	5.00		99	85-110		
p-Isopropyltoluene	4.92		0.5	"	5.00		98	86-117		
1,4-Dichlorobenzene	4.94		0.5	"	5.00		99	70-130		
1,2-Dichlorobenzene	4.92		0.5	"	5.00		98	70-130		
Butylbenzene	4.76		0.5	"	5.00		95	85-118		
1,2-Dibromo-3-chloropropane	19.2		2	"	20.0		96	54-133		
1,2,4-Trichlorobenzene	4.63		0.5	"	5.00		93	70-130		
Hexachlorobutadiene	4.81		0.5	"	5.00		96	66-113		
Naphthalene	3.72		0.5	"	5.00		74	58-126		
1,2,3-Trichlorobenzene	4.58		0.5	"	5.00		92	65-119		
Surrogate: 1,2-Dichloroethane-d4	*5.08*			*"*	*5.00*		102	*83-116*		
Surrogate: Toluene-d8	*5.02*			*"*	*5.00*		100	*81-112*		
Surrogate: 4-Bromofluorobenzene	*5.40*			*"*	*5.00*		108	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.10*			*"*	*5.00*		102	*74-113*		
Batch B21H048 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H048-BLK1)										
Dichlorodifluoromethane	ND	U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	C4, J, Q2, Q3, U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	U	4	"						
Dichloromethane	0.3	C1, J	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H048 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H048-BLK1)										
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	C4, J, Q2, U	0.5	"						
1,2-Dichloropropane	ND	Q3, C4, J, Q2, U	0.5	"						
Dibromomethane	ND	C4, J, Q2, U	0.5	"						
Bromodichloromethane	ND	C3, J, U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	C3, J, U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	C3, J, U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						

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Region 9 Laboratory
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H048 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H048-BLK1)										
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*4.96*			*"*	*5.00*		99	*83-116*		
Surrogate: Toluene-d8	*4.74*			*"*	*5.00*		95	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.43*			*"*	*5.00*		89	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.56*			*"*	*5.00*		91	*74-113*		
LCS (B21H048-BS1)										
Dichlorodifluoromethane	5.69		0.5	ug/L	5.00		114	70-128		
Chloromethane	3.97		0.5	"	5.00		79	63-123		
Vinyl chloride	4.81		0.5	"	5.00		96	70-130		
Bromomethane	0.34	J	0.5	"	5.00		**7**	31-150		
Chloroethane	5.52		0.5	"	5.00		110	74-119		
Trichlorofluoromethane	5.61		0.5	"	5.00		112	72-123		
1,1-Dichloroethene	5.85		0.5	"	5.00		117	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.89		0.5	"	5.00		118	73-129		
Acetone	41.3		4	"	40.0		103	61-114		
Dichloromethane	5.97		0.5	"	5.00		119	70-130		
trans-1,2-Dichloroethene	6.16		0.5	"	5.00		123	70-130		
tert-Butyl methyl ether (MTBE)	23		2	"	20.0		115	62-117		
1,1-Dichloroethane	6.15		0.5	"	5.00		**123**	74-115		
2,2-Dichloropropane	4.89		0.5	"	5.00		98	64-144		
cis-1,2-Dichloroethene	5.09		0.5	"	5.00		102	70-130		
2-Butanone (MEK)	40.5		4	"	40.0		101	57-121		
Bromochloromethane	4.74		0.5	"	5.00		95	71-122		
Chloroform	5.05		0.5	"	5.00		101	70-130		
1,1,1-Trichloroethane	4.93		0.5	"	5.00		99	70-130		
Carbon tetrachloride	5.08		0.5	"	5.00		102	70-130		
1,1-Dichloropropene	5.07		0.5	"	5.00		101	71-119		
Benzene	5.05		0.5	"	5.00		101	70-130		
1,2-Dichloroethane	4.83		0.5	"	5.00		97	70-130		
Trichloroethene	3.37		0.5	"	5.00		**67**	70-130		
1,2-Dichloropropane	2.89		0.5	"	5.00		**58**	70-130		
Dibromomethane	3.28		0.5	"	5.00		**66**	72-121		
Bromodichloromethane	3.85		0.5	"	5.00		77	70-130		
cis-1,3-Dichloropropene	4.92		0.5	"	5.00		98	68-120		
Toluene	5.23		0.5	"	5.00		105	70-130		
trans-1,3-Dichloropropene	5.31		0.5	"	5.00		106	64-126		
1,1,2-Trichloroethane	5.18		0.5	"	5.00		104	70-130		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H048 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H048-BS1)										
Tetrachloroethene	5.24		0.5	"	5.00		105	70-130		
1,3-Dichloropropane	5.17		0.5	"	5.00		103	80-114		
Chlorodibromomethane	5.19		0.5	"	5.00		104	70-130		
1,2-Dibromoethane (EDB)	5.27		0.5	"	5.00		105	80-115		
Chlorobenzene	5.07		0.5	"	5.00		101	70-130		
1,1,1,2-Tetrachloroethane	5.21		0.5	"	5.00		104	82-116		
Ethylbenzene	5.33		0.5	"	5.00		107	70-130		
m&p-Xylene	10.3		1	"	10.0		103	70-130		
o-Xylene	5.21		0.5	"	5.00		104	70-130		
Styrene	5.27		0.5	"	5.00		105	70-130		
Bromoform	5.17		0.5	"	5.00		103	70-130		
Isopropylbenzene	5.25		0.5	"	5.00		105	86-114		
Bromobenzene	4.98		0.5	"	5.00		100	84-110		
1,1,2,2-Tetrachloroethane	5.15		0.5	"	5.00		103	81-113		
1,2,3-Trichloropropane	5.14		0.5	"	5.00		103	81-114		
Propylbenzene	5.27		0.5	"	5.00		105	87-115		
2-Chlorotoluene	5.15		0.5	"	5.00		103	84-111		
4-Chlorotoluene	5.21		0.5	"	5.00		104	82-112		
1,3,5-Trimethylbenzene	5.16		0.5	"	5.00		103	85-113		
tert-Butylbenzene	5.16		0.5	"	5.00		103	86-114		
1,2,4-Trimethylbenzene	5.19		0.5	"	5.00		104	84-114		
sec-Butylbenzene	5.21		0.5	"	5.00		104	87-119		
1,3-Dichlorobenzene	5.04		0.5	"	5.00		101	85-110		
p-Isopropyltoluene	5.1		0.5	"	5.00		102	86-117		
1,4-Dichlorobenzene	5.07		0.5	"	5.00		101	70-130		
1,2-Dichlorobenzene	4.97		0.5	"	5.00		99	70-130		
Butylbenzene	5.24		0.5	"	5.00		105	85-118		
1,2-Dibromo-3-chloropropane	21		2	"	20.0		105	54-133		
1,2,4-Trichlorobenzene	4.89		0.5	"	5.00		98	70-130		
Hexachlorobutadiene	4.4		0.5	"	5.00		88	66-113		
Naphthalene	5.15		0.5	"	5.00		103	58-126		
1,2,3-Trichlorobenzene	4.79		0.5	"	5.00		96	65-119		
Surrogate: 1,2-Dichloroethane-d4	*4.85*			*"*	*5.00*		97	*83-116*		
Surrogate: Toluene-d8	*5.04*			*"*	*5.00*		101	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.90*			*"*	*5.00*		98	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.01*			*"*	*5.00*		100	*74-113*		
Batch B21H049 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H049-BLK2)										
Dichlorodifluoromethane	ND	U	0.5	ug/L						

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H049 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H049-BLK2)										
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	C4, J, U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	U	4	"						
Dichloromethane	ND	U	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H049 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H049-BLK2)										
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*4.78*			*"*	*5.00*		96	*83-116*		
Surrogate: Toluene-d8	*5.02*			*"*	*5.00*		100	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.81*			*"*	*5.00*		96	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.01*			*"*	*5.00*		100	*74-113*		
LCS (B21H049-BS1)										
Dichlorodifluoromethane	5.31		0.5	ug/L	5.00		106	70-128		
Chloromethane	4.4		0.5	"	5.00		88	63-123		
Vinyl chloride	4.77		0.5	"	5.00		95	70-130		
Bromomethane	2.96		0.5	"	5.00		59	31-150		
Chloroethane	5.07		0.5	"	5.00		101	74-119		
Trichlorofluoromethane	5.25		0.5	"	5.00		105	72-123		
1,1-Dichloroethene	5.19		0.5	"	5.00		104	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.09		0.5	"	5.00		102	73-129		
Acetone	38.4		4	"	40.0		96	61-114		
Dichloromethane	5.37		0.5	"	5.00		107	70-130		
trans-1,2-Dichloroethene	5.17		0.5	"	5.00		103	70-130		
tert-Butyl methyl ether (MTBE)	20.3		2	"	20.0		101	62-117		
1,1-Dichloroethane	5.08		0.5	"	5.00		102	74-115		
2,2-Dichloropropane	5.24		0.5	"	5.00		105	64-144		
cis-1,2-Dichloroethene	4.98		0.5	"	5.00		100	70-130		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Batch B21H049 - 5030 P&T VOA - VOCs — **Prepared & Analyzed: 08/17/21**

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

LCS (B21H049-BS1)

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
2-Butanone (MEK)	37.9		4	"	40.0		95	57-121		
Bromochloromethane	5.06		0.5	"	5.00		101	71-122		
Chloroform	5.06		0.5	"	5.00		101	70-130		
1,1,1-Trichloroethane	5.15		0.5	"	5.00		103	70-130		
Carbon tetrachloride	5.17		0.5	"	5.00		103	70-130		
1,1-Dichloropropene	4.89		0.5	"	5.00		98	71-119		
Benzene	4.96		0.5	"	5.00		99	70-130		
1,2-Dichloroethane	5.1		0.5	"	5.00		102	70-130		
Trichloroethene	4.93		0.5	"	5.00		99	70-130		
1,2-Dichloropropane	4.93		0.5	"	5.00		99	70-130		
Dibromomethane	5.09		0.5	"	5.00		102	72-121		
Bromodichloromethane	5.05		0.5	"	5.00		101	70-130		
cis-1,3-Dichloropropene	5.13		0.5	"	5.00		103	68-120		
Toluene	4.88		0.5	"	5.00		98	70-130		
trans-1,3-Dichloropropene	4.99		0.5	"	5.00		100	64-126		
1,1,2-Trichloroethane	4.87		0.5	"	5.00		97	70-130		
Tetrachloroethene	5.03		0.5	"	5.00		101	70-130		
1,3-Dichloropropane	5		0.5	"	5.00		100	80-114		
Chlorodibromomethane	5		0.5	"	5.00		100	70-130		
1,2-Dibromoethane (EDB)	5.11		0.5	"	5.00		102	80-115		
Chlorobenzene	5.01		0.5	"	5.00		100	70-130		
1,1,1,2-Tetrachloroethane	5.03		0.5	"	5.00		101	82-116		
Ethylbenzene	5.11		0.5	"	5.00		102	70-130		
m&p-Xylene	10.1		1	"	10.0		101	70-130		
o-Xylene	5.16		0.5	"	5.00		103	70-130		
Styrene	4.99		0.5	"	5.00		100	70-130		
Bromoform	5		0.5	"	5.00		100	70-130		
Isopropylbenzene	5.15		0.5	"	5.00		103	86-114		
Bromobenzene	5.02		0.5	"	5.00		100	84-110		
1,1,2,2-Tetrachloroethane	5.5		0.5	"	5.00		110	81-113		
1,2,3-Trichloropropane	5.1		0.5	"	5.00		102	81-114		
Propylbenzene	5.12		0.5	"	5.00		102	87-115		
2-Chlorotoluene	5.13		0.5	"	5.00		103	84-111		
4-Chlorotoluene	5.13		0.5	"	5.00		103	82-112		
1,3,5-Trimethylbenzene	5.12		0.5	"	5.00		102	85-113		
tert-Butylbenzene	5.01		0.5	"	5.00		100	86-114		
1,2,4-Trimethylbenzene	5.12		0.5	"	5.00		102	84-114		
sec-Butylbenzene	5.06		0.5	"	5.00		101	87-119		
1,3-Dichlorobenzene	5.02		0.5	"	5.00		100	85-110		
p-Isopropyltoluene	5.07		0.5	"	5.00		101	86-117		
1,4-Dichlorobenzene	5.15		0.5	"	5.00		103	70-130		
1,2-Dichlorobenzene	5.09		0.5	"	5.00		102	70-130		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H049 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H049-BS1)										
Butylbenzene	5.02		0.5	"	5.00		100	85-118		
1,2-Dibromo-3-chloropropane	21.9		2	"	20.0		110	54-133		
1,2,4-Trichlorobenzene	4.94		0.5	"	5.00		99	70-130		
Hexachlorobutadiene	4.92		0.5	"	5.00		98	66-113		
Naphthalene	4.78		0.5	"	5.00		96	58-126		
1,2,3-Trichlorobenzene	4.92		0.5	"	5.00		98	65-119		
Surrogate: 1,2-Dichloroethane-d4	*5.02*			*"*	*5.00*		100	*83-116*		
Surrogate: Toluene-d8	*4.93*			*"*	*5.00*		99	*81-112*		
Surrogate: 4-Bromofluorobenzene	*5.12*			*"*	*5.00*		102	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.15*			*"*	*5.00*		103	*74-113*		
Batch B21H050 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H050-BLK1)										
Dichlorodifluoromethane	ND	C3, J, U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	C4, J, U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	C3, J, U	4	"						
Dichloromethane	1		0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						
Bromodichloromethane	ND	U	0.5	"						

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H050 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H050-BLK1)										
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*5.54*			*"*	*5.00*		111	*83-116*		
Surrogate: Toluene-d8	*4.87*			*"*	*5.00*		97	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.95*			*"*	*5.00*		99	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.84*			*"*	*5.00*		97	*74-113*		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Batch B21H050 - 5030 P&T VOA - VOCs — **Prepared & Analyzed: 08/17/21**

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

LCS (B21H050-BS1)

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Dichlorodifluoromethane	5.75		0.5	ug/L	5.00		115	70-128		
Chloromethane	4.94		0.5	"	5.00		99	63-123		
Vinyl chloride	5.16		0.5	"	5.00		103	70-130		
Bromomethane	2.82		0.5	"	5.00		56	31-150		
Chloroethane	4.9		0.5	"	5.00		98	74-119		
Trichlorofluoromethane	5.27		0.5	"	5.00		105	72-123		
1,1-Dichloroethene	5.13		0.5	"	5.00		103	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.4		0.5	"	5.00		108	73-129		
Acetone	32.1		4	"	40.0		80	61-114		
Dichloromethane	4.8		0.5	"	5.00		96	70-130		
trans-1,2-Dichloroethene	4.78		0.5	"	5.00		96	70-130		
tert-Butyl methyl ether (MTBE)	17.5		2	"	20.0		87	62-117		
1,1-Dichloroethane	4.66		0.5	"	5.00		93	74-115		
2,2-Dichloropropane	4.76		0.5	"	5.00		95	64-144		
cis-1,2-Dichloroethene	4.76		0.5	"	5.00		95	70-130		
2-Butanone (MEK)	42.5		4	"	40.0		106	57-121		
Bromochloromethane	4.78		0.5	"	5.00		96	71-122		
Chloroform	4.86		0.5	"	5.00		97	70-130		
1,1,1-Trichloroethane	5		0.5	"	5.00		100	70-130		
Carbon tetrachloride	5.21		0.5	"	5.00		104	70-130		
1,1-Dichloropropene	5.14		0.5	"	5.00		103	71-119		
Benzene	4.94		0.5	"	5.00		99	70-130		
1,2-Dichloroethane	4.73		0.5	"	5.00		95	70-130		
Trichloroethene	4.92		0.5	"	5.00		98	70-130		
1,2-Dichloropropane	5.05		0.5	"	5.00		101	70-130		
Dibromomethane	4.95		0.5	"	5.00		99	72-121		
Bromodichloromethane	4.72		0.5	"	5.00		94	70-130		
cis-1,3-Dichloropropene	4.75		0.5	"	5.00		95	68-120		
Toluene	5.04		0.5	"	5.00		101	70-130		
trans-1,3-Dichloropropene	4.7		0.5	"	5.00		94	64-126		
1,1,2-Trichloroethane	5.17		0.5	"	5.00		103	70-130		
Tetrachloroethene	5.33		0.5	"	5.00		107	70-130		
1,3-Dichloropropane	5.03		0.5	"	5.00		101	80-114		
Chlorodibromomethane	4.69		0.5	"	5.00		94	70-130		
1,2-Dibromoethane (EDB)	5.02		0.5	"	5.00		100	80-115		
Chlorobenzene	4.98		0.5	"	5.00		100	70-130		
1,1,1,2-Tetrachloroethane	4.75		0.5	"	5.00		95	82-116		
Ethylbenzene	5.05		0.5	"	5.00		101	70-130		
m&p-Xylene	9.99		1	"	10.0		100	70-130		
o-Xylene	4.92		0.5	"	5.00		98	70-130		
Styrene	4.96		0.5	"	5.00		99	70-130		
Bromoform	4.86		0.5	"	5.00		97	70-130		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H050 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H050-BS1)										
Isopropylbenzene	5.03		0.5	"	5.00		101	86-114		
Bromobenzene	4.85		0.5	"	5.00		97	84-110		
1,1,2,2-Tetrachloroethane	5.15		0.5	"	5.00		103	81-113		
1,2,3-Trichloropropane	5.05		0.5	"	5.00		101	81-114		
Propylbenzene	5.15		0.5	"	5.00		103	87-115		
2-Chlorotoluene	4.96		0.5	"	5.00		99	84-111		
4-Chlorotoluene	5.05		0.5	"	5.00		101	82-112		
1,3,5-Trimethylbenzene	4.95		0.5	"	5.00		99	85-113		
tert-Butylbenzene	5.06		0.5	"	5.00		101	86-114		
1,2,4-Trimethylbenzene	4.87		0.5	"	5.00		97	84-114		
sec-Butylbenzene	5.14		0.5	"	5.00		103	87-119		
1,3-Dichlorobenzene	4.92		0.5	"	5.00		98	85-110		
p-Isopropyltoluene	5.08		0.5	"	5.00		102	86-117		
1,4-Dichlorobenzene	4.85		0.5	"	5.00		97	70-130		
1,2-Dichlorobenzene	4.81		0.5	"	5.00		96	70-130		
Butylbenzene	5.14		0.5	"	5.00		103	85-118		
1,2-Dibromo-3-chloropropane	19.8		2	"	20.0		99	54-133		
1,2,4-Trichlorobenzene	4.62		0.5	"	5.00		92	70-130		
Hexachlorobutadiene	5.01		0.5	"	5.00		100	66-113		
Naphthalene	4.72		0.5	"	5.00		94	58-126		
1,2,3-Trichlorobenzene	4.67		0.5	"	5.00		93	65-119		
Surrogate: 1,2-Dichloroethane-d4	*5.08*			*"*	*5.00*		102	*83-116*		
Surrogate: Toluene-d8	*5.12*			*"*	*5.00*		102	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.89*			*"*	*5.00*		98	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.95*			*"*	*5.00*		99	*74-113*		
Batch B21H051 - 3520C CLLE - SVOCs										**Prepared: 08/17/21 Analyzed: 08/20/21**
										Semivolatile Organic Compounds by EPA Method 8270D - Quality Control
Blank (B21H051-BLK1)										
1,4-Dioxane	ND	U	1	ug/L						
Phenol	ND	U	5	"						
Bis(2-chloroethyl)ether	ND	U	1	"						
2-Chlorophenol	ND	U	5	"						
1,3-Dichlorobenzene	ND	U	1	"						
1,4-Dichlorobenzene	ND	U	1	"						
Benzyl alcohol	ND	U	5	"						
1,2-Dichlorobenzene	ND	U	1	"						
2-Methylphenol	ND	U	5	"						
Bis(2-chloro-1-methylethyl) ether	ND	U	1	"						
3&4-Methylphenol	ND	U	5	"						
N-Nitrosodipropylamine	ND	U	1	"						

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H051 - 3520C CLLE - SVOCs									**Prepared: 08/17/21 Analyzed: 08/20/21**	
									Semivolatile Organic Compounds by EPA Method 8270D - Quality Control	
Blank (B21H051-BLK1)										
Hexachloroethane	ND	U	1	"						
Nitrobenzene	ND	U	1	"						
Isophorone	ND	U	1	"						
2-Nitrophenol	ND	U	5	"						
2,4-Dimethylphenol	ND	U	5	"						
Bis(2-chloroethoxy)methane	ND	U	1	"						
2,4-Dichlorophenol	ND	U	5	"						
1,2,4-Trichlorobenzene	ND	U	1	"						
Naphthalene	ND	U	1	"						
4-Chloroaniline	ND	U	5	"						
Hexachlorobutadiene	ND	U	1	"						
4-Chloro-3-methylphenol	ND	U	5	"						
2-Methylnaphthalene	ND	U	1	"						
Hexachlorocyclopentadiene	ND	U	5	"						
2,4,6-Trichlorophenol	ND	U	5	"						
2,4,5-Trichlorophenol	ND	U	5	"						
2-Chloronaphthalene	ND	U	1	"						
2-Nitroaniline	ND	U	5	"						
Dimethyl phthalate	ND	U	1	"						
2,6-Dinitrotoluene	ND	U	1	"						
Acenaphthylene	ND	U	1	"						
3-Nitroaniline	ND	U	5	"						
Acenaphthene	ND	U	1	"						
2,4-Dinitrophenol	ND	U	20	"						
4-Nitrophenol	ND	U	5	"						
Dibenzofuran	ND	U	1	"						
2,4-Dinitrotoluene	ND	U	1	"						
Diethyl phthalate	ND	U	1	"						
Fluorene	ND	U	1	"						
4-Chlorophenyl phenyl ether	ND	U	1	"						
4-Nitroaniline	ND	U	5	"						
4,6-Dinitro-2-methylphenol	ND	U	5	"						
Diphenyl amine	ND	U	1	"						
4-Bromophenyl phenyl ether	ND	U	1	"						
Hexachlorobenzene	ND	U	1	"						
Pentachlorophenol	ND	U	20	"						
Phenanthrene	ND	U	1	"						
Anthracene	ND	U	1	"						
Carbazole	ND	U	1	"						
Di-n-butyl phthalate	ND	U	1	"						
Fluoranthene	ND	U	1	"						
Pyrene	ND	U	1	"						

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H051 - 3520C CLLE - SVOCs									**Prepared: 08/17/21 Analyzed: 08/20/21**	
									Semivolatile Organic Compounds by EPA Method 8270D - Quality Control	
Blank (B21H051-BLK1)										
Butyl benzyl phthalate	ND	U	1	"						
Benzo(a)anthracene	ND	U	1	"						
3,3'-Dichlorobenzidine	ND	U	5	"						
Chrysene	ND	U	1	"						
Bis(2-ethylhexyl) phthalate	ND	U	1	"						
Di-n-octyl phthalate	ND	U	1	"						
Benzo(b)fluoranthene	ND	U	1	"						
Benzo(k)fluoranthene	ND	U	1	"						
Benzo(a)pyrene	ND	U	1	"						
Indeno(1,2,3-cd)pyrene	ND	U	1	"						
Dibenz(a,h)anthracene	ND	U	1	"						
Benzo(g,h,i)perylene	ND	U	1	"						
Surrogate: 1,4-Dioxane-d8	*3.50*			*"*	*5.00*		70	*34-110*		
Surrogate: 2-Fluorophenol	*36.9*			*"*	*50.0*		74	*54-110*		
Surrogate: Phenol-d5	*36.3*			*"*	*50.0*		73	*29-127*		
Surrogate: 2-Chlorophenol-d4	*38.5*			*"*	*50.0*		77	*39-121*		
Surrogate: 1,2-Dichlorobenzene-d4	*37.3*			*"*	*50.0*		75	*31-110*		
Surrogate: Nitrobenzene-d5	*39.0*			*"*	*50.0*		78	*35-111*		
Surrogate: 2-Fluorobiphenyl	*36.7*			*"*	*50.0*		73	*32-115*		
Surrogate: 2,4,6-Tribromophenol	*42.0*			*"*	*50.0*		84	*37-150*		
Surrogate: Terphenyl-d14	*53.4*			*"*	*50.0*		107	*20-179*		
LCS (B21H051-BS1)										
1,4-Dioxane	10.6		1	ug/L	10.0		106	82-118		
Phenol	33.9		5	"	50.0		68	48-110		
Bis(2-chloroethyl)ether	7.58		1	"	10.0		76	50-114		
2-Chlorophenol	35.5		5	"	50.0		71	52-110		
1,3-Dichlorobenzene	6.76		1	"	10.0		68	32-110		
1,4-Dichlorobenzene	6.98		1	"	10.0		70	32-110		
Benzyl alcohol	39.8		5	"	50.0		80	52-110		
1,2-Dichlorobenzene	7.17		1	"	10.0		72	34-110		
2-Methylphenol	35.8		5	"	50.0		72	56-110		
Bis(2-chloro-1-methylethyl) ether	7.73		1	"	10.0		77	36-132		
3&4-Methylphenol	41.4		5	"	50.0		83	59-117		
N-Nitrosodipropylamine	8.18		1	"	10.0		82	54-110		
Hexachloroethane	5.36		1	"	10.0		54	27-110		
Nitrobenzene	8.05		1	"	10.0		80	55-114		
Isophorone	7.49		1	"	10.0		75	56-110		
2-Nitrophenol	37.6		5	"	50.0		75	55-111		
2,4-Dimethylphenol	41.7		5	"	50.0		83	36-125		

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H051 - 3520C CLLE - SVOCs									**Prepared: 08/17/21 Analyzed: 08/20/21**	
									Semivolatile Organic Compounds by EPA Method 8270D - Quality Control	
LCS (B21H051-BS1)										
Bis(2-chloroethoxy)methane	7.26		1	"	10.0		73	47-114		
2,4-Dichlorophenol	41.5		5	"	50.0		83	56-116		
1,2,4-Trichlorobenzene	7.58		1	"	10.0		76	32-110		
Naphthalene	8.22		1	"	10.0		82	44-110		
4-Chloroaniline	37		5	"	50.0		74	20-142		
Hexachlorobutadiene	4.95		1	"	10.0		50	26-110		
4-Chloro-3-methylphenol	42.5		5	"	50.0		85	52-121		
2-Methylnaphthalene	8.48		1	"	10.0		85	43-110		
Hexachlorocyclopentadiene	26.8		5	"	50.0		54	20-110		
2,4,6-Trichlorophenol	39.2		5	"	50.0		78	57-117		
2,4,5-Trichlorophenol	40.6		5	"	50.0		81	51-127		
2-Chloronaphthalene	8.09		1	"	10.0		81	47-110		
2-Nitroaniline	42.5		5	"	50.0		85	57-121		
Dimethyl phthalate	8.95		1	"	10.0		90	64-122		
2,6-Dinitrotoluene	9.12		1	"	10.0		91	61-116		
Acenaphthylene	7.67		1	"	10.0		77	53-110		
3-Nitroaniline	43		5	"	50.0		86	20-164		
Acenaphthene	11.4		1	"	10.0		114	79-146		
2,4-Dinitrophenol	56.1		20	"	50.0		112	40-141		
4-Nitrophenol	52.3		5	"	50.0		105	62-140		
Dibenzofuran	8.92		1	"	10.0		89	57-112		
2,4-Dinitrotoluene	9.9		1	"	10.0		99	60-120		
Diethyl phthalate	9.17		1	"	10.0		92	61-127		
Fluorene	9.04		1	"	10.0		90	58-117		
4-Chlorophenyl phenyl ether	9.19		1	"	10.0		92	53-112		
4-Nitroaniline	42.5		5	"	50.0		85	30-120		
4,6-Dinitro-2-methylphenol	50.5		5	"	50.0		101	60-149		
Diphenyl amine	6.62		1	"	10.0		66	21-115		
4-Bromophenyl phenyl ether	8.75		1	"	10.0		88	56-110		
Hexachlorobenzene	8.54		1	"	10.0		85	55-110		
Pentachlorophenol	47.9		20	"	50.0		96	56-116		
Phenanthrene	8.89		1	"	10.0		89	53-123		
Anthracene	8.85		1	"	10.0		89	54-122		
Carbazole	7.13		1	"	10.0		71	23-126		
Di-n-butyl phthalate	9.98		1	"	10.0		100	66-126		
Fluoranthene	9.9		1	"	10.0		99	59-124		
Pyrene	8.88		1	"	10.0		89	54-133		
Butyl benzyl phthalate	8.82		1	"	10.0		88	56-135		
Benzo(a)anthracene	8.6		1	"	10.0		86	55-129		
3,3'-Dichlorobenzidine	18.5		5	"	50.0		37	20-128		
Chrysene	9.01		1	"	10.0		90	58-129		
Bis(2-ethylhexyl) phthalate	10.5		1	"	10.0		105	53-152		

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H051 - 3520C CLLE - SVOCs									**Prepared: 08/17/21 Analyzed: 08/20/21**	
									Semivolatile Organic Compounds by EPA Method 8270D - Quality Control	
LCS (B21H051-BS1)										
Di-n-octyl phthalate	9.56		1	"	10.0		96	33-160		
Benzo(b)fluoranthene	9.6		1	"	10.0		96	36-151		
Benzo(k)fluoranthene	10.1		1	"	10.0		101	36-155		
Benzo(a)pyrene	8.52		1	"	10.0		85	36-132		
Indeno(1,2,3-cd)pyrene	9.25		1	"	10.0		92	35-151		
Dibenz(a,h)anthracene	9.63		1	"	10.0		96	29-165		
Benzo(g,h,i)perylene	9.38		1	"	10.0		94	42-147		
Surrogate: 1,4-Dioxane-d8	*2.97*			*"*	*5.00*		59	*34-110*		
Surrogate: 2-Fluorophenol	*33.9*			*"*	*50.0*		68	*54-110*		
Surrogate: Phenol-d5	*33.3*			*"*	*50.0*		67	*29-127*		
Surrogate: 2-Chlorophenol-d4	*35.6*			*"*	*50.0*		71	*39-121*		
Surrogate: 1,2-Dichlorobenzene-d4	*34.1*			*"*	*50.0*		68	*31-110*		
Surrogate: Nitrobenzene-d5	*37.2*			*"*	*50.0*		74	*35-111*		
Surrogate: 2-Fluorobiphenyl	*33.9*			*"*	*50.0*		68	*32-115*		
Surrogate: 2,4,6-Tribromophenol	*47.5*			*"*	*50.0*		95	*37-150*		
Surrogate: Terphenyl-d14	*52.5*			*"*	*50.0*		105	*20-179*		
Batch B21H052 - 200 Series Digest - Metals by 200.7, Dissolved									**Prepared: 08/17/21 Analyzed: 09/03/21**	
									Dissolved Metals by EPA 200 Series Methods - Quality Control	
Blank (B21H052-BLK1)										
Arsenic	ND	U	20	ug/L						
Cobalt	ND	U	5	"						
Iron	ND	U	100	"						
Manganese	ND	U	5	"						
Nickel	ND	U	10	"						
Selenium	ND	U	20	"						
Blank (B21H052-BLK2)										
Arsenic	ND	U	20	ug/L						
Cobalt	ND	U	5	"						
Iron	ND	U	100	"						
Manganese	ND	U	5	"						
Nickel	ND	U	10	"						
Selenium	ND	U	20	"						
LCS (B21H052-BS1)										
Arsenic	704		20	ug/L	800		88	85-115		
Iron	2,700		100	"	3000		90	85-115		
Manganese	178		5	"	200		89	85-115		
Nickel	432		10	"	500		86	85-115		
Duplicate (B21H052-DUP1)		**Source: 2108018-02**								
Iron	3,020		100	ug/L		3,150			4	20

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Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H052 - 200 Series Digest - Metals by 200.7, Dissolved									**Prepared: 08/17/21 Analyzed: 09/08/21**	
									Dissolved Metals by EPA 200 Series Methods - Quality Control	
Duplicate (B21H052-DUP1)		**Source: 2108018-02**								
Manganese	740		5	"		770			4	20
Nickel	86.4		10	"		89.9			4	20
Matrix Spike (B21H052-MS1)		**Source: 2108018-02**								
Iron	5,650		100	ug/L	3000	3,150	83	70-130		
Manganese	923		5	"	200	770	76	70-130		
Nickel	478		10	"	500	89.9	78	70-130		
Matrix Spike Dup (B21H052-MSD1)		**Source: 2108018-02**								
Iron	5,580		100	ug/L	3000	3,150	81	70-130	1	20
Manganese	904		5	"	200	770	**67**	70-130	2	20
Nickel	491		10	"	500	89.9	80	70-130	3	20
Batch B21H053 - 200 Series Digest - Metals, ICP/MS, Dissolved									**Prepared: 08/17/21 Analyzed: 08/24/21**	
									Dissolved Metals by EPA 200 Series Methods - Quality Control	
Blank (B21H053-BLK1)										
Arsenic	0.93		0.5	ug/L						
Cobalt	ND	U	0.25	"						
Manganese	ND	U	2	"						
Nickel	ND	U	1	"						
Selenium	0.73	J	1	"						
Blank (B21H053-BLK2)										
Arsenic	0.86		0.5	ug/L						
Cobalt	ND	U	0.25	"						
Manganese	ND	U	2	"						
Nickel	ND	U	1	"						
Selenium	0.68	J	1	"						
LCS (B21H053-BS1)										
Arsenic	43		0.5	ug/L	40.0		107	85-115		
Cobalt	38.3		0.25	"	40.0		96	85-115		
Nickel	39.5		1	"	40.0		99	85-115		
LCS (B21H053-BS2)										
Selenium	42.1		1	ug/L	40.0		105	85-115		
Matrix Spike (B21H053-MS1)		**Source: 2108018-02**								
Arsenic	53		0.5	ug/L	40.0	11.4	104	70-130		
Cobalt	39.8		0.25	"	40.0	2.06	94	70-130		
Matrix Spike (B21H053-MS3)		**Source: 2108018-02RE1**								
Selenium	40.3		1	ug/L	40.0	7.21	83	70-130		
Matrix Spike Dup (B21H053-MSD1)		**Source: 2108018-02**								
Arsenic	53.2		0.5	ug/L	40.0	11.4	104	70-130	0.3	20
Cobalt	40.1		0.25	"	40.0	2.06	95	70-130	0.8	20
Matrix Spike Dup (B21H053-MSD3)		**Source: 2108018-02RE1**								
Selenium	40.5		1	ug/L	40.0	7.21	83	70-130	0.4	20

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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H054 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/18/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H054-BLK1)										
Dichlorodifluoromethane	ND	U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	U	4	"						
Dichloromethane	ND	C3, J, U	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	J, Q3, U	0.5	"						

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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H054 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/18/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H054-BLK1)										
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	C3, C4, J, U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*5.19*			*"*	*5.00*		104	*83-116*		
Surrogate: Toluene-d8	*4.98*			*"*	*5.00*		100	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.09*			*"*	*5.00*		82	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.59*			*"*	*5.00*		92	*74-113*		
LCS (B21H054-BS1)										
Dichlorodifluoromethane	4.82		0.5	ug/L	5.00		96	70-128		
Chloromethane	4.98		0.5	"	5.00		100	63-123		
Vinyl chloride	5.06		0.5	"	5.00		101	70-130		
Bromomethane	4.1		0.5	"	5.00		82	31-150		
Chloroethane	5.09		0.5	"	5.00		102	74-119		
Trichlorofluoromethane	4.91		0.5	"	5.00		98	72-123		
1,1-Dichloroethene	4.95		0.5	"	5.00		99	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.08		0.5	"	5.00		102	73-129		
Acetone	33.3		4	"	40.0		83	61-114		
Dichloromethane	3.98		0.5	"	5.00		80	70-130		
trans-1,2-Dichloroethene	5.1		0.5	"	5.00		102	70-130		
tert-Butyl methyl ether (MTBE)	19.3		2	"	20.0		96	62-117		
1,1-Dichloroethane	5.1		0.5	"	5.00		102	74-115		
2,2-Dichloropropane	4.74		0.5	"	5.00		95	64-144		

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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H054 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/18/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H054-BS1)										
cis-1,2-Dichloroethene	5.15		0.5	"	5.00		103	70-130		
2-Butanone (MEK)	38.5		4	"	40.0		96	57-121		
Bromochloromethane	4.77		0.5	"	5.00		95	71-122		
Chloroform	5.11		0.5	"	5.00		102	70-130		
1,1,1-Trichloroethane	4.96		0.5	"	5.00		99	70-130		
Carbon tetrachloride	4.9		0.5	"	5.00		98	70-130		
1,1-Dichloropropene	5.05		0.5	"	5.00		101	71-119		
Benzene	5.1		0.5	"	5.00		102	70-130		
1,2-Dichloroethane	4.99		0.5	"	5.00		100	70-130		
Trichloroethene	5.01		0.5	"	5.00		100	70-130		
1,2-Dichloropropane	5.14		0.5	"	5.00		103	70-130		
Dibromomethane	4.89		0.5	"	5.00		98	72-121		
Bromodichloromethane	5.08		0.5	"	5.00		102	70-130		
cis-1,3-Dichloropropene	4.92		0.5	"	5.00		98	68-120		
Toluene	4.92		0.5	"	5.00		98	70-130		
trans-1,3-Dichloropropene	4.65		0.5	"	5.00		93	64-126		
1,1,2-Trichloroethane	4.89		0.5	"	5.00		98	70-130		
Tetrachloroethene	4.73		0.5	"	5.00		95	70-130		
1,3-Dichloropropane	4.94		0.5	"	5.00		99	80-114		
Chlorodibromomethane	4.93		0.5	"	5.00		99	70-130		
1,2-Dibromoethane (EDB)	4.75		0.5	"	5.00		95	80-115		
Chlorobenzene	4.77		0.5	"	5.00		95	70-130		
1,1,1,2-Tetrachloroethane	4.76		0.5	"	5.00		95	82-116		
Ethylbenzene	4.89		0.5	"	5.00		98	70-130		
m&p-Xylene	9.79		1	"	10.0		98	70-130		
o-Xylene	4.81		0.5	"	5.00		96	70-130		
Styrene	4.82		0.5	"	5.00		96	70-130		
Bromoform	4.75		0.5	"	5.00		95	70-130		
Isopropylbenzene	4.28		0.5	"	5.00		86	86-114		
Bromobenzene	4.3		0.5	"	5.00		86	84-110		
1,1,2,2-Tetrachloroethane	4.38		0.5	"	5.00		88	81-113		
1,2,3-Trichloropropane	4.44		0.5	"	5.00		89	81-114		
Propylbenzene	4.66		0.5	"	5.00		93	87-115		
2-Chlorotoluene	4.88		0.5	"	5.00		98	84-111		
4-Chlorotoluene	4.84		0.5	"	5.00		97	82-112		
1,3,5-Trimethylbenzene	4.82		0.5	"	5.00		96	85-113		
tert-Butylbenzene	4.82		0.5	"	5.00		96	86-114		
1,2,4-Trimethylbenzene	4.76		0.5	"	5.00		95	84-114		
sec-Butylbenzene	4.8		0.5	"	5.00		96	87-119		
1,3-Dichlorobenzene	4.69		0.5	"	5.00		94	85-110		
p-Isopropyltoluene	4.72		0.5	"	5.00		94	86-117		
1,4-Dichlorobenzene	4.69		0.5	"	5.00		94	70-130		

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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H054 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/18/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H054-BS1)										
1,2-Dichlorobenzene	4.67		0.5	"	5.00		93	70-130		
Butylbenzene	4.44		0.5	"	5.00		89	85-118		
1,2-Dibromo-3-chloropropane	17.9		2	"	20.0		89	54-133		
1,2,4-Trichlorobenzene	4.05		0.5	"	5.00		81	70-130		
Hexachlorobutadiene	4.43		0.5	"	5.00		89	66-113		
Naphthalene	2.77		0.5	"	5.00		**55**	58-126		
1,2,3-Trichlorobenzene	4		0.5	"	5.00		80	65-119		
Surrogate: 1,2-Dichloroethane-d4	*5.18*			*"*	*5.00*		104	*83-116*		
Surrogate: Toluene-d8	*5.00*			*"*	*5.00*		100	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.29*			*"*	*5.00*		86	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.91*			*"*	*5.00*		98	*74-113*		
Batch B21H059 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/19/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H059-BLK1)										
Dichlorodifluoromethane	ND	U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	C4, J, U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	U	4	"						
Dichloromethane	ND	U	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						

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Batch B21H059 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/19/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H059-BLK1)										
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*5.02*			*"*	*5.00*		100	*83-116*		
Surrogate: Toluene-d8	*4.83*			*"*	*5.00*		97	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.89*			*"*	*5.00*		98	*80-110*		

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H059 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/19/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H059-BLK1)										
Surrogate: 1,2-Dichlorobenzene-d4	*4.95*			*"*	*5.00*		99	*74-113*		
LCS (B21H059-BS1)										
Dichlorodifluoromethane	5.16		0.5	ug/L	5.00		103	70-128		
Chloromethane	4.1		0.5	"	5.00		82	63-123		
Vinyl chloride	4.8		0.5	"	5.00		96	70-130		
Bromomethane	3.14		0.5	"	5.00		63	31-150		
Chloroethane	4.87		0.5	"	5.00		97	74-119		
Trichlorofluoromethane	5.27		0.5	"	5.00		105	72-123		
1,1-Dichloroethene	5.19		0.5	"	5.00		104	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.13		0.5	"	5.00		103	73-129		
Acetone	36.8		4	"	40.0		92	61-114		
Dichloromethane	5.02		0.5	"	5.00		100	70-130		
trans-1,2-Dichloroethene	5.16		0.5	"	5.00		103	70-130		
tert-Butyl methyl ether (MTBE)	19.4		2	"	20.0		97	62-117		
1,1-Dichloroethane	5.04		0.5	"	5.00		101	74-115		
2,2-Dichloropropane	5.37		0.5	"	5.00		107	64-144		
cis-1,2-Dichloroethene	4.98		0.5	"	5.00		100	70-130		
2-Butanone (MEK)	36.2		4	"	40.0		91	57-121		
Bromochloromethane	4.95		0.5	"	5.00		99	71-122		
Chloroform	5.09		0.5	"	5.00		102	70-130		
1,1,1-Trichloroethane	5.12		0.5	"	5.00		102	70-130		
Carbon tetrachloride	5.2		0.5	"	5.00		104	70-130		
1,1-Dichloropropene	4.87		0.5	"	5.00		97	71-119		
Benzene	4.94		0.5	"	5.00		99	70-130		
1,2-Dichloroethane	4.99		0.5	"	5.00		100	70-130		
Trichloroethene	4.98		0.5	"	5.00		100	70-130		
1,2-Dichloropropane	4.88		0.5	"	5.00		98	70-130		
Dibromomethane	4.95		0.5	"	5.00		99	72-121		
Bromodichloromethane	4.95		0.5	"	5.00		99	70-130		
cis-1,3-Dichloropropene	4.96		0.5	"	5.00		99	68-120		
Toluene	4.78		0.5	"	5.00		96	70-130		
trans-1,3-Dichloropropene	4.89		0.5	"	5.00		98	64-126		
1,1,2-Trichloroethane	4.87		0.5	"	5.00		97	70-130		
Tetrachloroethene	5.04		0.5	"	5.00		101	70-130		
1,3-Dichloropropane	4.84		0.5	"	5.00		97	80-114		
Chlorodibromomethane	4.8		0.5	"	5.00		96	70-130		
1,2-Dibromoethane (EDB)	4.9		0.5	"	5.00		98	80-115		
Chlorobenzene	4.96		0.5	"	5.00		99	70-130		
1,1,1,2-Tetrachloroethane	4.94		0.5	"	5.00		99	82-116		
Ethylbenzene	5.07		0.5	"	5.00		101	70-130		
m&p-Xylene	10		1	"	10.0		100	70-130		

United States Environmental Protection Agency
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H059 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/19/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H059-BS1)										
o-Xylene	5.09		0.5	"	5.00		102	70-130		
Styrene	4.97		0.5	"	5.00		99	70-130		
Bromoform	4.75		0.5	"	5.00		95	70-130		
Isopropylbenzene	5.14		0.5	"	5.00		103	86-114		
Bromobenzene	5.02		0.5	"	5.00		100	84-110		
1,1,2,2-Tetrachloroethane	5.37		0.5	"	5.00		107	81-113		
1,2,3-Trichloropropane	4.92		0.5	"	5.00		98	81-114		
Propylbenzene	5.14		0.5	"	5.00		103	87-115		
2-Chlorotoluene	5.16		0.5	"	5.00		103	84-111		
4-Chlorotoluene	5.09		0.5	"	5.00		102	82-112		
1,3,5-Trimethylbenzene	5.08		0.5	"	5.00		102	85-113		
tert-Butylbenzene	5		0.5	"	5.00		100	86-114		
1,2,4-Trimethylbenzene	5.07		0.5	"	5.00		101	84-114		
sec-Butylbenzene	5.05		0.5	"	5.00		101	87-119		
1,3-Dichlorobenzene	5.04		0.5	"	5.00		101	85-110		
p-Isopropyltoluene	4.99		0.5	"	5.00		100	86-117		
1,4-Dichlorobenzene	5.06		0.5	"	5.00		101	70-130		
1,2-Dichlorobenzene	5		0.5	"	5.00		100	70-130		
Butylbenzene	5.02		0.5	"	5.00		100	85-118		
1,2-Dibromo-3-chloropropane	20.7		2	"	20.0		104	54-133		
1,2,4-Trichlorobenzene	4.87		0.5	"	5.00		97	70-130		
Hexachlorobutadiene	5.04		0.5	"	5.00		101	66-113		
Naphthalene	4.54		0.5	"	5.00		91	58-126		
1,2,3-Trichlorobenzene	4.79		0.5	"	5.00		96	65-119		
Surrogate: 1,2-Dichloroethane-d4	*4.96*			*"*	*5.00*		99	*83-116*		
Surrogate: Toluene-d8	*4.83*			*"*	*5.00*		97	*81-112*		
Surrogate: 4-Bromofluorobenzene	*5.07*			*"*	*5.00*		101	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.07*			*"*	*5.00*		101	*74-113*		
Batch B21H061 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/24/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H061-BLK1)										
Dichlorodifluoromethane	ND	C3, J, U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	C3, J, U	4	"						

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**		**WorkOrder:**	2108018
Project Number:	R21S29	**75 Hawthorne Street**		**Reported:**	09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**			

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H061 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/24/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H061-BLK1)										
Dichloromethane	ND	U	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H061 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/24/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H061-BLK1)										
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*5.63*			*"*	*5.00*		113	*83-116*		
Surrogate: Toluene-d8	*4.86*			*"*	*5.00*		97	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.86*			*"*	*5.00*		97	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.99*			*"*	*5.00*		100	*74-113*		
LCS (B21H061-BS1)										
Dichlorodifluoromethane	5.56		0.5	ug/L	5.00		111	70-128		
Chloromethane	5.42		0.5	"	5.00		108	63-123		
Vinyl chloride	5.05		0.5	"	5.00		101	70-130		
Bromomethane	3.44		0.5	"	5.00		69	31-150		
Chloroethane	4.78		0.5	"	5.00		96	74-119		
Trichlorofluoromethane	5.09		0.5	"	5.00		102	72-123		
1,1-Dichloroethene	4.87		0.5	"	5.00		97	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.15		0.5	"	5.00		103	73-129		
Acetone	29.3		4	"	40.0		73	61-114		
Dichloromethane	4.33		0.5	"	5.00		87	70-130		
trans-1,2-Dichloroethene	4.65		0.5	"	5.00		93	70-130		
tert-Butyl methyl ether (MTBE)	16.4		2	"	20.0		82	62-117		
1,1-Dichloroethane	4.53		0.5	"	5.00		91	74-115		
2,2-Dichloropropane	4.93		0.5	"	5.00		99	64-144		
cis-1,2-Dichloroethene	4.79		0.5	"	5.00		96	70-130		
2-Butanone (MEK)	41.2		4	"	40.0		103	57-121		
Bromochloromethane	4.91		0.5	"	5.00		98	71-122		
Chloroform	4.98		0.5	"	5.00		100	70-130		
1,1,1-Trichloroethane	5.15		0.5	"	5.00		103	70-130		
Carbon tetrachloride	5.48		0.5	"	5.00		110	70-130		
1,1-Dichloropropene	5.22		0.5	"	5.00		104	71-119		
Benzene	5.03		0.5	"	5.00		101	70-130		
1,2-Dichloroethane	4.7		0.5	"	5.00		94	70-130		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H061 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/24/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H061-BS1)										
Trichloroethene	5.04		0.5	"	5.00		101	70-130		
1,2-Dichloropropane	5.17		0.5	"	5.00		103	70-130		
Dibromomethane	4.99		0.5	"	5.00		100	72-121		
Bromodichloromethane	4.82		0.5	"	5.00		96	70-130		
cis-1,3-Dichloropropene	4.84		0.5	"	5.00		97	68-120		
Toluene	4.87		0.5	"	5.00		97	70-130		
trans-1,3-Dichloropropene	4.68		0.5	"	5.00		94	64-126		
1,1,2-Trichloroethane	4.84		0.5	"	5.00		97	70-130		
Tetrachloroethene	5.24		0.5	"	5.00		105	70-130		
1,3-Dichloropropane	4.8		0.5	"	5.00		96	80-114		
Chlorodibromomethane	4.68		0.5	"	5.00		94	70-130		
1,2-Dibromoethane (EDB)	4.7		0.5	"	5.00		94	80-115		
Chlorobenzene	4.72		0.5	"	5.00		94	70-130		
1,1,1,2-Tetrachloroethane	4.76		0.5	"	5.00		95	82-116		
Ethylbenzene	4.87		0.5	"	5.00		97	70-130		
m&p-Xylene	9.67		1	"	10.0		97	70-130		
o-Xylene	4.73		0.5	"	5.00		95	70-130		
Styrene	4.77		0.5	"	5.00		95	70-130		
Bromoform	4.82		0.5	"	5.00		96	70-130		
Isopropylbenzene	4.85		0.5	"	5.00		97	86-114		
Bromobenzene	4.65		0.5	"	5.00		93	84-110		
1,1,2,2-Tetrachloroethane	4.89		0.5	"	5.00		98	81-113		
1,2,3-Trichloropropane	4.86		0.5	"	5.00		97	81-114		
Propylbenzene	4.97		0.5	"	5.00		99	87-115		
2-Chlorotoluene	4.75		0.5	"	5.00		95	84-111		
4-Chlorotoluene	4.79		0.5	"	5.00		96	82-112		
1,3,5-Trimethylbenzene	4.81		0.5	"	5.00		96	85-113		
tert-Butylbenzene	4.85		0.5	"	5.00		97	86-114		
1,2,4-Trimethylbenzene	4.74		0.5	"	5.00		95	84-114		
sec-Butylbenzene	5.02		0.5	"	5.00		100	87-119		
1,3-Dichlorobenzene	4.73		0.5	"	5.00		95	85-110		
p-Isopropyltoluene	4.98		0.5	"	5.00		100	86-117		
1,4-Dichlorobenzene	4.7		0.5	"	5.00		94	70-130		
1,2-Dichlorobenzene	4.71		0.5	"	5.00		94	70-130		
Butylbenzene	4.97		0.5	"	5.00		99	85-118		
1,2-Dibromo-3-chloropropane	18.2		2	"	20.0		91	54-133		
1,2,4-Trichlorobenzene	4.37		0.5	"	5.00		87	70-130		
Hexachlorobutadiene	5.12		0.5	"	5.00		102	66-113		
Naphthalene	4.28		0.5	"	5.00		86	58-126		
1,2,3-Trichlorobenzene	4.49		0.5	"	5.00		90	65-119		

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H061 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/24/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H061-BS1)										
Surrogate: 1,2-Dichloroethane-d4	*5.12*			*"*	*5.00*		102	*83-116*		
Surrogate: Toluene-d8	*4.87*			*"*	*5.00*		97	*81-112*		
Surrogate: 4-Bromofluorobenzene	*5.01*			*"*	*5.00*		100	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.18*			*"*	*5.00*		104	*74-113*		
Batch B21H067 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/24/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H067-BLK1)										
Dichlorodifluoromethane	ND	U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	U	4	"						
Dichloromethane	ND	U	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H067 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/24/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H067-BLK1)										
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*5.09*			*"*	*5.00*		102	*83-116*		
Surrogate: Toluene-d8	*4.87*			*"*	*5.00*		97	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.93*			*"*	*5.00*		99	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.96*			*"*	*5.00*		99	*74-113*		
LCS (B21H067-BS1)										
Dichlorodifluoromethane	4.72		0.5	ug/L	5.00		94	70-128		
Chloromethane	3.68		0.5	"	5.00		74	63-123		
Vinyl chloride	4.28		0.5	"	5.00		86	70-130		
Bromomethane	3.33		0.5	"	5.00		67	31-150		
Chloroethane	4.45		0.5	"	5.00		89	74-119		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Batch B21H067 - 5030 P&T VOA - VOCs — **Prepared & Analyzed: 08/24/21**

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
LCS (B21H067-BS1)										
Trichlorofluoromethane	4.66		0.5	"	5.00		93	72-123		
1,1-Dichloroethene	4.65		0.5	"	5.00		93	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	4.44		0.5	"	5.00		89	73-129		
Acetone	32.5		4	"	40.0		81	61-114		
Dichloromethane	4.54		0.5	"	5.00		91	70-130		
trans-1,2-Dichloroethene	4.64		0.5	"	5.00		93	70-130		
tert-Butyl methyl ether (MTBE)	18		2	"	20.0		90	62-117		
1,1-Dichloroethane	4.47		0.5	"	5.00		89	74-115		
2,2-Dichloropropane	5.31		0.5	"	5.00		106	64-144		
cis-1,2-Dichloroethene	4.78		0.5	"	5.00		96	70-130		
2-Butanone (MEK)	35.8		4	"	40.0		89	57-121		
Bromochloromethane	4.93		0.5	"	5.00		99	71-122		
Chloroform	4.93		0.5	"	5.00		99	70-130		
1,1,1-Trichloroethane	4.98		0.5	"	5.00		100	70-130		
Carbon tetrachloride	5.02		0.5	"	5.00		100	70-130		
1,1-Dichloropropene	4.67		0.5	"	5.00		93	71-119		
Benzene	4.75		0.5	"	5.00		95	70-130		
1,2-Dichloroethane	4.79		0.5	"	5.00		96	70-130		
Trichloroethene	4.8		0.5	"	5.00		96	70-130		
1,2-Dichloropropane	4.77		0.5	"	5.00		95	70-130		
Dibromomethane	4.82		0.5	"	5.00		96	72-121		
Bromodichloromethane	4.87		0.5	"	5.00		97	70-130		
cis-1,3-Dichloropropene	4.97		0.5	"	5.00		99	68-120		
Toluene	4.81		0.5	"	5.00		96	70-130		
trans-1,3-Dichloropropene	5.14		0.5	"	5.00		103	64-126		
1,1,2-Trichloroethane	4.79		0.5	"	5.00		96	70-130		
Tetrachloroethene	5.03		0.5	"	5.00		101	70-130		
1,3-Dichloropropane	4.87		0.5	"	5.00		97	80-114		
Chlorodibromomethane	4.85		0.5	"	5.00		97	70-130		
1,2-Dibromoethane (EDB)	5		0.5	"	5.00		100	80-115		
Chlorobenzene	5.04		0.5	"	5.00		101	70-130		
1,1,1,2-Tetrachloroethane	5.04		0.5	"	5.00		101	82-116		
Ethylbenzene	5.13		0.5	"	5.00		103	70-130		
m&p-Xylene	10		1	"	10.0		100	70-130		
o-Xylene	5.09		0.5	"	5.00		102	70-130		
Styrene	5.05		0.5	"	5.00		101	70-130		
Bromoform	5.11		0.5	"	5.00		102	70-130		
Isopropylbenzene	5.17		0.5	"	5.00		103	86-114		
Bromobenzene	5.03		0.5	"	5.00		101	84-110		
1,1,2,2-Tetrachloroethane	5.48		0.5	"	5.00		110	81-113		
1,2,3-Trichloropropane	4.96		0.5	"	5.00		99	81-114		
Propylbenzene	5.2		0.5	"	5.00		104	87-115		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H067 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/24/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H067-BS1)										
2-Chlorotoluene	5.19		0.5	"	5.00		104	84-111		
4-Chlorotoluene	5.16		0.5	"	5.00		103	82-112		
1,3,5-Trimethylbenzene	5.14		0.5	"	5.00		103	85-113		
tert-Butylbenzene	5.04		0.5	"	5.00		101	86-114		
1,2,4-Trimethylbenzene	5.14		0.5	"	5.00		103	84-114		
sec-Butylbenzene	5.08		0.5	"	5.00		102	87-119		
1,3-Dichlorobenzene	5.07		0.5	"	5.00		101	85-110		
p-Isopropyltoluene	5.08		0.5	"	5.00		102	86-117		
1,4-Dichlorobenzene	5.16		0.5	"	5.00		103	70-130		
1,2-Dichlorobenzene	5.16		0.5	"	5.00		103	70-130		
Butylbenzene	5.06		0.5	"	5.00		101	85-118		
1,2-Dibromo-3-chloropropane	21.4		2	"	20.0		107	54-133		
1,2,4-Trichlorobenzene	5.01		0.5	"	5.00		100	70-130		
Hexachlorobutadiene	5.15		0.5	"	5.00		103	66-113		
Naphthalene	4.71		0.5	"	5.00		94	58-126		
1,2,3-Trichlorobenzene	4.99		0.5	"	5.00		100	65-119		
Surrogate: 1,2-Dichloroethane-d4	*4.91*			*"*	*5.00*		98	*83-116*		
Surrogate: Toluene-d8	*4.89*			*"*	*5.00*		98	*81-112*		
Surrogate: 4-Bromofluorobenzene	*5.08*			*"*	*5.00*		102	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.11*			*"*	*5.00*		102	*74-113*		
Batch B21H075 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/27/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H075-BLK1)										
Dichlorodifluoromethane	ND	C3, J, U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	C3, J, U	4	"						
Dichloromethane	ND	U	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H075 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/27/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H075-BLK1)										
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H075 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/27/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H075-BLK1)										
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*6.02*			*"*	*5.00*		**120**	*83-116*		
Surrogate: Toluene-d8	*4.78*			*"*	*5.00*		96	*81-112*		
Surrogate: 4-Bromofluorobenzene	*5.06*			*"*	*5.00*		101	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.17*			*"*	*5.00*		103	*74-113*		
Blank (B21H075-BLK2)										
Dichlorodifluoromethane	ND	C3, J, U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	C3, J, U	4	"						
Dichloromethane	ND	U	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						

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Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H075 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/27/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H075-BLK2)										
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*5.73*			*"*	*5.00*		115	*83-116*		
Surrogate: Toluene-d8	*4.88*			*"*	*5.00*		98	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.98*			*"*	*5.00*		100	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.99*			*"*	*5.00*		100	*74-113*		
LCS (B21H075-BS1)										
Dichlorodifluoromethane	5.31		0.5	ug/L	5.00		106	70-128		
Chloromethane	4.97		0.5	"	5.00		99	63-123		
Vinyl chloride	4.94		0.5	"	5.00		99	70-130		

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Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H075 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/27/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H075-BS1)										
Bromomethane	3.5		0.5	"	5.00		70	31-150		
Chloroethane	4.6		0.5	"	5.00		92	74-119		
Trichlorofluoromethane	4.91		0.5	"	5.00		98	72-123		
1,1-Dichloroethene	4.77		0.5	"	5.00		95	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.01		0.5	"	5.00		100	73-129		
Acetone	29.6		4	"	40.0		74	61-114		
Dichloromethane	4.25		0.5	"	5.00		85	70-130		
trans-1,2-Dichloroethene	4.52		0.5	"	5.00		90	70-130		
tert-Butyl methyl ether (MTBE)	16.7		2	"	20.0		84	62-117		
1,1-Dichloroethane	4.43		0.5	"	5.00		89	74-115		
2,2-Dichloropropane	4.54		0.5	"	5.00		91	64-144		
cis-1,2-Dichloroethene	4.55		0.5	"	5.00		91	70-130		
2-Butanone (MEK)	40		4	"	40.0		100	57-121		
Bromochloromethane	4.57		0.5	"	5.00		91	71-122		
Chloroform	4.66		0.5	"	5.00		93	70-130		
1,1,1-Trichloroethane	4.76		0.5	"	5.00		95	70-130		
Carbon tetrachloride	5.03		0.5	"	5.00		101	70-130		
1,1-Dichloropropene	4.92		0.5	"	5.00		98	71-119		
Benzene	4.72		0.5	"	5.00		94	70-130		
1,2-Dichloroethane	4.49		0.5	"	5.00		90	70-130		
Trichloroethene	4.77		0.5	"	5.00		95	70-130		
1,2-Dichloropropane	4.88		0.5	"	5.00		98	70-130		
Dibromomethane	4.53		0.5	"	5.00		91	72-121		
Bromodichloromethane	4.53		0.5	"	5.00		91	70-130		
cis-1,3-Dichloropropene	4.6		0.5	"	5.00		92	68-120		
Toluene	4.78		0.5	"	5.00		96	70-130		
trans-1,3-Dichloropropene	4.64		0.5	"	5.00		93	64-126		
1,1,2-Trichloroethane	5.01		0.5	"	5.00		100	70-130		
Tetrachloroethene	5.11		0.5	"	5.00		102	70-130		
1,3-Dichloropropane	4.94		0.5	"	5.00		99	80-114		
Chlorodibromomethane	4.84		0.5	"	5.00		97	70-130		
1,2-Dibromoethane (EDB)	4.85		0.5	"	5.00		97	80-115		
Chlorobenzene	4.74		0.5	"	5.00		95	70-130		
1,1,1,2-Tetrachloroethane	4.81		0.5	"	5.00		96	82-116		
Ethylbenzene	4.79		0.5	"	5.00		96	70-130		
m&p-Xylene	9.46		1	"	10.0		95	70-130		
o-Xylene	4.67		0.5	"	5.00		93	70-130		
Styrene	4.77		0.5	"	5.00		95	70-130		
Bromoform	4.85		0.5	"	5.00		97	70-130		
Isopropylbenzene	4.79		0.5	"	5.00		96	86-114		
Bromobenzene	4.71		0.5	"	5.00		94	84-110		
1,1,2,2-Tetrachloroethane	5.07		0.5	"	5.00		101	81-113		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H075 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/27/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H075-BS1)										
1,2,3-Trichloropropane	4.93		0.5	"	5.00		99	81-114		
Propylbenzene	4.91		0.5	"	5.00		98	87-115		
2-Chlorotoluene	4.74		0.5	"	5.00		95	84-111		
4-Chlorotoluene	4.85		0.5	"	5.00		97	82-112		
1,3,5-Trimethylbenzene	4.8		0.5	"	5.00		96	85-113		
tert-Butylbenzene	4.79		0.5	"	5.00		96	86-114		
1,2,4-Trimethylbenzene	4.74		0.5	"	5.00		95	84-114		
sec-Butylbenzene	4.96		0.5	"	5.00		99	87-119		
1,3-Dichlorobenzene	4.72		0.5	"	5.00		94	85-110		
p-Isopropyltoluene	4.93		0.5	"	5.00		99	86-117		
1,4-Dichlorobenzene	4.76		0.5	"	5.00		95	70-130		
1,2-Dichlorobenzene	4.7		0.5	"	5.00		94	70-130		
Butylbenzene	4.99		0.5	"	5.00		100	85-118		
1,2-Dibromo-3-chloropropane	18.4		2	"	20.0		92	54-133		
1,2,4-Trichlorobenzene	4.5		0.5	"	5.00		90	70-130		
Hexachlorobutadiene	5.1		0.5	"	5.00		102	66-113		
Naphthalene	4.41		0.5	"	5.00		88	58-126		
1,2,3-Trichlorobenzene	4.55		0.5	"	5.00		91	65-119		
Surrogate: 1,2-Dichloroethane-d4	*5.22*			*"*	*5.00*		104	*83-116*		
Surrogate: Toluene-d8	*4.99*			*"*	*5.00*		100	*81-112*		
Surrogate: 4-Bromofluorobenzene	*5.02*			*"*	*5.00*		100	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.15*			*"*	*5.00*		103	*74-113*		
Matrix Spike (B21H075-MS2)		**Source: 2108018-08RE3**								
Dichlorodifluoromethane	26		2.5	ug/L	25.0	ND	104	62-142		
Chloromethane	23.9		2.5	"	25.0	ND	96	54-144		
Vinyl chloride	25.1		2.5	"	25.0	ND	100	62-141		
Bromomethane	12		2.5	"	25.0	ND	48	32-150		
Chloroethane	31.2		2.5	"	25.0	ND	125	68-136		
Trichlorofluoromethane	24.8		2.5	"	25.0	ND	99	66-142		
1,1-Dichloroethene	24.4		2.5	"	25.0	ND	98	73-134		
1,1,2-Trichloro-1,2,2-trifluoroethane	24.6		2.5	"	25.0	ND	99	65-148		
Acetone	158		20	"	200	ND	79	20-150		
Dichloromethane	22.1		2.5	"	25.0	ND	88	65-126		
trans-1,2-Dichloroethene	24		2.5	"	25.0	ND	96	70-134		
tert-Butyl methyl ether (MTBE)	96.4		10	"	100	ND	96	56-128		
1,1-Dichloroethane	23.3		2.5	"	25.0	ND	93	67-134		
2,2-Dichloropropane	26		2.5	"	25.0	ND	104	41-150		
cis-1,2-Dichloroethene	26.7		2.5	"	25.0	ND	107	63-137		
2-Butanone (MEK)	251		20	"	200	ND	126	48-142		
Bromochloromethane	25.6		2.5	"	25.0	ND	102	70-132		

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Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Batch B21H075 - 5030 P&T VOA - VOCs — **Prepared & Analyzed: 08/27/21**

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Matrix Spike (B21H075-MS2) — **Source: 2108018-08RE3**

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Chloroform	26.5		2.5	"	25.0	ND	106	65-141		
1,1,1-Trichloroethane	25		2.5	"	25.0	ND	100	69-116		
Carbon tetrachloride	25.8		2.5	"	25.0	ND	103	65-130		
1,1-Dichloropropene	25.6		2.5	"	25.0	ND	103	71-116		
Benzene	26.1		2.5	"	25.0	ND	104	77-115		
1,2-Dichloroethane	24.7		2.5	"	25.0	ND	99	71-112		
Trichloroethene	25.5		2.5	"	25.0	ND	102	65-124		
1,2-Dichloropropane	26.8		2.5	"	25.0	ND	107	73-118		
Dibromomethane	26.3		2.5	"	25.0	ND	105	65-123		
Bromodichloromethane	24.4		2.5	"	25.0	ND	97	72-118		
cis-1,3-Dichloropropene	24.4		2.5	"	25.0	ND	98	69-113		
Toluene	26.8		2.5	"	25.0	ND	107	84-115		
trans-1,3-Dichloropropene	25		2.5	"	25.0	ND	100	67-117		
1,1,2-Trichloroethane	28.7		2.5	"	25.0	ND	115	81-115		
Tetrachloroethene	27.2		2.5	"	25.0	ND	109	81-115		
1,3-Dichloropropane	28.4		2.5	"	25.0	ND	**114**	82-113		
Chlorodibromomethane	26.2		2.5	"	25.0	ND	105	82-116		
1,2-Dibromoethane (EDB)	28.8		2.5	"	25.0	ND	115	83-115		
Chlorobenzene	28.7		2.5	"	25.0	2.8	104	82-110		
1,1,1,2-Tetrachloroethane	25.8		2.5	"	25.0	ND	103	77-116		
Ethylbenzene	26.4		2.5	"	25.0	ND	106	85-112		
m&p-Xylene	52.2		5	"	50.0	ND	104	84-113		
o-Xylene	26.1		2.5	"	25.0	ND	104	82-110		
Styrene	26.3		2.5	"	25.0	ND	105	25-150		
Bromoform	26.8		2.5	"	25.0	ND	107	69-121		
Isopropylbenzene	26.2		2.5	"	25.0	ND	105	80-117		
Bromobenzene	25.4		2.5	"	25.0	ND	102	84-110		
1,1,2,2-Tetrachloroethane	30		2.5	"	25.0	ND	**120**	77-117		
1,2,3-Trichloropropane	29.9		2.5	"	25.0	ND	**120**	78-115		
Propylbenzene	27.6		2.5	"	25.0	ND	111	83-116		
2-Chlorotoluene	25.8		2.5	"	25.0	ND	103	83-110		
4-Chlorotoluene	26.6		2.5	"	25.0	ND	106	82-110		
1,3,5-Trimethylbenzene	27.8		2.5	"	25.0	1.3	106	82-112		
tert-Butylbenzene	26		2.5	"	25.0	ND	104	81-115		
1,2,4-Trimethylbenzene	26.2		2.5	"	25.0	ND	105	81-113		
sec-Butylbenzene	26.7		2.5	"	25.0	ND	107	79-122		
1,3-Dichlorobenzene	25.8		2.5	"	25.0	ND	103	82-110		
p-Isopropyltoluene	26.9		2.5	"	25.0	ND	108	78-120		
1,4-Dichlorobenzene	26.1		2.5	"	25.0	ND	104	81-110		
1,2-Dichlorobenzene	26.6		2.5	"	25.0	ND	107	82-110		
Butylbenzene	26.9		2.5	"	25.0	ND	108	72-122		
1,2-Dibromo-3-chloropropane	106		10	"	100	ND	106	47-131		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H075 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/27/21**
								Volatile Organic Compounds by EPA Method 524.2 - Quality Control		
Matrix Spike (B21H075-MS2)		**Source: 2108018-08RE3**								
1,2,4-Trichlorobenzene	24.6		2.5	"	25.0	ND	99	62-115		
Hexachlorobutadiene	26.4		2.5	"	25.0	ND	106	51-116		
Naphthalene	26		2.5	"	25.0	ND	104	47-137		
1,2,3-Trichlorobenzene	26.2		2.5	"	25.0	ND	105	62-117		
Surrogate: 1,2-Dichloroethane-d4	*5.25*			*"*	*5.00*		105	*83-116*		
Surrogate: Toluene-d8	*5.06*			*"*	*5.00*		101	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.93*			*"*	*5.00*		99	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.09*			*"*	*5.00*		102	*74-113*		
Matrix Spike Dup (B21H075-MSD2)		**Source: 2108018-08RE3**								
Dichlorodifluoromethane	26.2		2.5	ug/L	25.0	ND	105	62-142	0.6	21
Chloromethane	23.8		2.5	"	25.0	ND	95	54-144	0.4	20
Vinyl chloride	24.8		2.5	"	25.0	ND	99	62-141	1	19
Bromomethane	13.2		2.5	"	25.0	ND	53	32-150	10	20
Chloroethane	24.6		2.5	"	25.0	ND	98	68-136	**23**	17
Trichlorofluoromethane	24.7		2.5	"	25.0	ND	99	66-142	0.4	19
1,1-Dichloroethene	24		2.5	"	25.0	ND	96	73-134	2	18
1,1,2-Trichloro-1,2,2-trifluoroethane	24.3		2.5	"	25.0	ND	97	65-148	1	19
Acetone	158		20	"	200	ND	79	20-150	0.03	31
Dichloromethane	21.5		2.5	"	25.0	ND	86	65-126	3	16
trans-1,2-Dichloroethene	23.6		2.5	"	25.0	ND	94	70-134	1	19
tert-Butyl methyl ether (MTBE)	91.8		10	"	100	ND	92	56-128	5	22
1,1-Dichloroethane	22.9		2.5	"	25.0	ND	92	67-134	2	19
2,2-Dichloropropane	22.6		2.5	"	25.0	ND	91	41-150	14	40
cis-1,2-Dichloroethene	24.4		2.5	"	25.0	ND	98	63-137	9	46
2-Butanone (MEK)	228		20	"	200	ND	114	48-142	10	34
Bromochloromethane	24.5		2.5	"	25.0	ND	98	70-132	4	21
Chloroform	24.4		2.5	"	25.0	ND	98	65-141	8	23
1,1,1-Trichloroethane	24.6		2.5	"	25.0	ND	98	69-116	2	14
Carbon tetrachloride	25.6		2.5	"	25.0	ND	102	65-130	0.8	14
1,1-Dichloropropene	25.4		2.5	"	25.0	ND	101	71-116	1	15
Benzene	25.6		2.5	"	25.0	ND	103	77-115	2	13
1,2-Dichloroethane	24.2		2.5	"	25.0	ND	97	71-112	2	14
Trichloroethene	25		2.5	"	25.0	ND	100	65-124	2	15
1,2-Dichloropropane	25.6		2.5	"	25.0	ND	102	73-118	5	14
Dibromomethane	25.3		2.5	"	25.0	ND	101	65-123	4	16
Bromodichloromethane	23.4		2.5	"	25.0	ND	93	72-118	4	16
cis-1,3-Dichloropropene	24		2.5	"	25.0	ND	96	69-113	2	19
Toluene	26.2		2.5	"	25.0	ND	105	84-115	2	15
trans-1,3-Dichloropropene	23.8		2.5	"	25.0	ND	95	67-117	5	19
1,1,2-Trichloroethane	27.5		2.5	"	25.0	ND	110	81-115	4	20

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H075 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/27/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Matrix Spike Dup (B21H075-MSD2)		**Source: 2108018-08RE3**								
Tetrachloroethene	26.6		2.5	"	25.0	ND	106	81-115	2	14
1,3-Dichloropropane	27.6		2.5	"	25.0	ND	111	82-113	3	18
Chlorodibromomethane	25.1		2.5	"	25.0	ND	100	82-116	4	18
1,2-Dibromoethane (EDB)	26.4		2.5	"	25.0	ND	106	83-115	9	20
Chlorobenzene	27.6		2.5	"	25.0	2.8	99	82-110	4	13
1,1,1,2-Tetrachloroethane	24.4		2.5	"	25.0	ND	98	77-116	6	17
Ethylbenzene	25.6		2.5	"	25.0	ND	102	85-112	3	13
m&p-Xylene	50.8		5	"	50.0	ND	102	84-113	3	13
o-Xylene	25.4		2.5	"	25.0	ND	101	82-110	3	13
Styrene	25.1		2.5	"	25.0	ND	100	25-150	5	29
Bromoform	26.2		2.5	"	25.0	ND	105	69-121	2	17
Isopropylbenzene	25.6		2.5	"	25.0	ND	102	80-117	2	14
Bromobenzene	24.9		2.5	"	25.0	ND	100	84-110	2	14
1,1,2,2-Tetrachloroethane	28.8		2.5	"	25.0	ND	115	77-117	4	15
1,2,3-Trichloropropane	29		2.5	"	25.0	ND	**116**	78-115	3	13
Propylbenzene	26.7		2.5	"	25.0	ND	107	83-116	3	12
2-Chlorotoluene	24.9		2.5	"	25.0	ND	100	83-110	4	12
4-Chlorotoluene	25.6		2.5	"	25.0	ND	102	82-110	4	12
1,3,5-Trimethylbenzene	26.9		2.5	"	25.0	1.3	102	82-112	3	13
tert-Butylbenzene	25.5		2.5	"	25.0	ND	102	81-115	2	16
1,2,4-Trimethylbenzene	25.4		2.5	"	25.0	ND	101	81-113	3	13
sec-Butylbenzene	25.8		2.5	"	25.0	ND	103	79-122	3	14
1,3-Dichlorobenzene	25.3		2.5	"	25.0	ND	101	82-110	2	12
p-Isopropyltoluene	26.1		2.5	"	25.0	ND	104	78-120	3	13
1,4-Dichlorobenzene	25.4		2.5	"	25.0	ND	102	81-110	3	11
1,2-Dichlorobenzene	25.6		2.5	"	25.0	ND	102	82-110	4	12
Butylbenzene	26.2		2.5	"	25.0	ND	105	72-122	3	10
1,2-Dibromo-3-chloropropane	98.4		10	"	100	ND	98	47-131	8	15
1,2,4-Trichlorobenzene	23.7		2.5	"	25.0	ND	95	62-115	4	13
Hexachlorobutadiene	25.5		2.5	"	25.0	ND	102	51-116	4	14
Naphthalene	25		2.5	"	25.0	ND	100	47-137	4	16
1,2,3-Trichlorobenzene	24.8		2.5	"	25.0	ND	99	62-117	5	17
Surrogate: 1,2-Dichloroethane-d4	*5.20*			*"*	*5.00*		104	*83-116*		
Surrogate: Toluene-d8	*5.03*			*"*	*5.00*		101	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.92*			*"*	*5.00*		98	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.14*			*"*	*5.00*		103	*74-113*		
Batch B21I003 - 3520C CLLE - SVOCs										**Prepared: 09/02/21 Analyzed: 09/08/21**
										Semivolatile Organic Compounds by EPA Method 8270D - Quality Control
Blank (B21I003-BLK1)										
1,4-Dioxane	ND	U	1	ug/L						

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Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21I003 - 3520C CLLE - SVOCs									**Prepared: 09/02/21 Analyzed: 09/08/21**	
									Semivolatile Organic Compounds by EPA Method 8270D - Quality Control	
Blank (B21I003-BLK1)										
Phenol	ND	U	5	"						
Bis(2-chloroethyl)ether	ND	U	1	"						
2-Chlorophenol	ND	U	5	"						
1,3-Dichlorobenzene	ND	U	1	"						
1,4-Dichlorobenzene	ND	U	1	"						
Benzyl alcohol	ND	U	5	"						
1,2-Dichlorobenzene	ND	U	1	"						
2-Methylphenol	ND	U	5	"						
Bis(2-chloro-1-methylethyl) ether	ND	U	1	"						
3&4-Methylphenol	ND	U	5	"						
N-Nitrosodipropylamine	ND	U	1	"						
Hexachloroethane	ND	U	1	"						
Nitrobenzene	ND	U	1	"						
Isophorone	ND	U	1	"						
2-Nitrophenol	ND	U	5	"						
2,4-Dimethylphenol	ND	U	5	"						
Bis(2-chloroethoxy)methane	ND	U	1	"						
2,4-Dichlorophenol	ND	U	5	"						
1,2,4-Trichlorobenzene	ND	U	1	"						
Naphthalene	ND	U	1	"						
4-Chloroaniline	ND	U	5	"						
Hexachlorobutadiene	ND	U	1	"						
4-Chloro-3-methylphenol	ND	U	5	"						
2-Methylnaphthalene	ND	U	1	"						
Hexachlorocyclopentadiene	ND	U	5	"						
2,4,6-Trichlorophenol	ND	U	5	"						
2,4,5-Trichlorophenol	ND	U	5	"						
2-Chloronaphthalene	ND	U	1	"						
2-Nitroaniline	ND	U	5	"						
Dimethyl phthalate	ND	U	1	"						
2,6-Dinitrotoluene	ND	U	1	"						
Acenaphthylene	ND	U	1	"						
3-Nitroaniline	ND	U	5	"						
Acenaphthene	ND	U	1	"						
2,4-Dinitrophenol	ND	U	20	"						
4-Nitrophenol	ND	U	5	"						
Dibenzofuran	ND	U	1	"						
2,4-Dinitrotoluene	ND	U	1	"						
Diethyl phthalate	ND	U	1	"						
Fluorene	ND	U	1	"						
4-Chlorophenyl phenyl ether	ND	U	1	"						
4-Nitroaniline	ND	U	5	"						

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108018
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21I003 - 3520C CLLE - SVOCs									**Prepared: 09/02/21 Analyzed: 09/08/21**	
									Semivolatile Organic Compounds by EPA Method 8270D - Quality Control	
Blank (B21I003-BLK1)										
4,6-Dinitro-2-methylphenol	ND	U	5	"						
Diphenyl amine	ND	U	1	"						
4-Bromophenyl phenyl ether	ND	U	1	"						
Hexachlorobenzene	ND	U	1	"						
Pentachlorophenol	ND	U	20	"						
Phenanthrene	ND	U	1	"						
Anthracene	ND	U	1	"						
Carbazole	ND	U	1	"						
Di-n-butyl phthalate	ND	U	1	"						
Fluoranthene	ND	U	1	"						
Pyrene	ND	U	1	"						
Butyl benzyl phthalate	ND	U	1	"						
Benzo(a)anthracene	ND	U	1	"						
3,3'-Dichlorobenzidine	ND	U	5	"						
Chrysene	ND	U	1	"						
Bis(2-ethylhexyl) phthalate	ND	U	1	"						
Di-n-octyl phthalate	ND	U	1	"						
Benzo(b)fluoranthene	ND	U	1	"						
Benzo(k)fluoranthene	ND	U	1	"						
Benzo(a)pyrene	ND	U	1	"						
Indeno(1,2,3-cd)pyrene	ND	U	1	"						
Dibenz(a,h)anthracene	ND	U	1	"						
Benzo(g,h,i)perylene	ND	U	1	"						
Surrogate: 1,4-Dioxane-d8	*3.58*			*"*	*5.00*		72	*34-110*		
Surrogate: 2-Fluorophenol	*40.1*			*"*	*50.0*		80	*54-110*		
Surrogate: Phenol-d5	*39.6*			*"*	*50.0*		79	*29-127*		
Surrogate: 2-Chlorophenol-d4	*42.0*			*"*	*50.0*		84	*39-121*		
Surrogate: 1,2-Dichlorobenzene-d4	*41.0*			*"*	*50.0*		82	*31-110*		
Surrogate: Nitrobenzene-d5	*43.0*			*"*	*50.0*		86	*35-111*		
Surrogate: 2-Fluorobiphenyl	*42.0*			*"*	*50.0*		84	*32-115*		
Surrogate: 2,4,6-Tribromophenol	*44.9*			*"*	*50.0*		90	*37-150*		
Surrogate: Terphenyl-d14	*38.0*			*"*	*50.0*		76	*20-179*		
LCS (B21I003-BS1)										
1,4-Dioxane	10.8		1	ug/L	10.0		108	82-118		
Phenol	40.5		5	"	50.0		81	48-110		
Bis(2-chloroethyl)ether	9.03		1	"	10.0		90	50-114		
2-Chlorophenol	41.5		5	"	50.0		83	52-110		
1,3-Dichlorobenzene	7.43		1	"	10.0		74	32-110		
1,4-Dichlorobenzene	7.82		1	"	10.0		78	32-110		

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Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21I003 - 3520C CLLE - SVOCs									**Prepared: 09/02/21 Analyzed: 09/08/21**	
									Semivolatile Organic Compounds by EPA Method 8270D - Quality Control	
LCS (B21I003-BS1)										
Benzyl alcohol	40.8		5	"	50.0		82	52-110		
1,2-Dichlorobenzene	8.02		1	"	10.0		80	34-110		
2-Methylphenol	42		5	"	50.0		84	56-110		
Bis(2-chloro-1-methylethyl) ether	8.27		1	"	10.0		83	36-132		
3&4-Methylphenol	45		5	"	50.0		90	59-117		
N-Nitrosodipropylamine	8.26		1	"	10.0		83	54-110		
Hexachloroethane	5.88		1	"	10.0		59	27-110		
Nitrobenzene	9.21		1	"	10.0		92	55-114		
Isophorone	8.16		1	"	10.0		82	56-110		
2-Nitrophenol	43.5		5	"	50.0		87	55-111		
2,4-Dimethylphenol	42.4		5	"	50.0		85	36-125		
Bis(2-chloroethoxy)methane	9.03		1	"	10.0		90	47-114		
2,4-Dichlorophenol	45.1		5	"	50.0		90	56-116		
1,2,4-Trichlorobenzene	8.03		1	"	10.0		80	32-110		
Naphthalene	9.3		1	"	10.0		93	44-110		
4-Chloroaniline	42.5		5	"	50.0		85	20-142		
Hexachlorobutadiene	5.78		1	"	10.0		58	26-110		
4-Chloro-3-methylphenol	43		5	"	50.0		86	52-121		
2-Methylnaphthalene	9.22		1	"	10.0		92	43-110		
Hexachlorocyclopentadiene	28.5		5	"	50.0		57	20-110		
2,4,6-Trichlorophenol	43.8		5	"	50.0		88	57-117		
2,4,5-Trichlorophenol	45.6		5	"	50.0		91	51-127		
2-Chloronaphthalene	9.11		1	"	10.0		91	47-110		
2-Nitroaniline	48.7		5	"	50.0		97	57-121		
Dimethyl phthalate	10.4		1	"	10.0		104	64-122		
2,6-Dinitrotoluene	10.2		1	"	10.0		102	61-116		
Acenaphthylene	8.79		1	"	10.0		88	53-110		
3-Nitroaniline	48.5		5	"	50.0		97	20-164		
Acenaphthene	11.5		1	"	10.0		115	79-146		
2,4-Dinitrophenol	49.1		20	"	50.0		98	40-141		
4-Nitrophenol	51.9		5	"	50.0		104	62-140		
Dibenzofuran	9.47		1	"	10.0		95	57-112		
2,4-Dinitrotoluene	10.6		1	"	10.0		106	60-120		
Diethyl phthalate	10.1		1	"	10.0		101	61-127		
Fluorene	9.37		1	"	10.0		94	58-117		
4-Chlorophenyl phenyl ether	9.2		1	"	10.0		92	53-112		
4-Nitroaniline	49.6		5	"	50.0		99	30-120		
4,6-Dinitro-2-methylphenol	52.7		5	"	50.0		105	60-149		
Diphenyl amine	8.53		1	"	10.0		85	21-115		
4-Bromophenyl phenyl ether	9.5		1	"	10.0		95	56-110		
Hexachlorobenzene	9.4		1	"	10.0		94	55-110		
Pentachlorophenol	38		20	"	50.0		76	56-116		

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Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/20/21 12:36
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21I003 - 3520C CLLE - SVOCs									**Prepared: 09/02/21 Analyzed: 09/08/21**	
									Semivolatile Organic Compounds by EPA Method 8270D - Quality Control	
LCS (B21I003-BS1)										
Phenanthrene	9.88		1	"	10.0		99	53-123		
Anthracene	9.66		1	"	10.0		97	54-122		
Carbazole	9.64		1	"	10.0		96	23-126		
Di-n-butyl phthalate	10.7		1	"	10.0		107	66-126		
Fluoranthene	10.8		1	"	10.0		108	59-124		
Pyrene	9.94		1	"	10.0		99	54-133		
Butyl benzyl phthalate	10.3		1	"	10.0		103	56-135		
Benzo(a)anthracene	9.76		1	"	10.0		98	55-129		
3,3'-Dichlorobenzidine	41.2		5	"	50.0		82	20-128		
Chrysene	10.1		1	"	10.0		101	58-129		
Bis(2-ethylhexyl) phthalate	10.4		1	"	10.0		104	53-152		
Di-n-octyl phthalate	10.1		1	"	10.0		101	33-160		
Benzo(b)fluoranthene	9.82		1	"	10.0		98	36-151		
Benzo(k)fluoranthene	10.2		1	"	10.0		102	36-155		
Benzo(a)pyrene	9.32		1	"	10.0		93	36-132		
Indeno(1,2,3-cd)pyrene	9.35		1	"	10.0		94	35-151		
Dibenz(a,h)anthracene	9.64		1	"	10.0		96	29-165		
Benzo(g,h,i)perylene	9.7		1	"	10.0		97	42-147		
Surrogate: 1,4-Dioxane-d8	*3.55*			*"*	*5.00*		71	*34-110*		
Surrogate: 2-Fluorophenol	*39.9*			*"*	*50.0*		80	*54-110*		
Surrogate: Phenol-d5	*39.1*			*"*	*50.0*		78	*29-127*		
Surrogate: 2-Chlorophenol-d4	*42.2*			*"*	*50.0*		84	*39-121*		
Surrogate: 1,2-Dichlorobenzene-d4	*37.5*			*"*	*50.0*		75	*31-110*		
Surrogate: Nitrobenzene-d5	*42.6*			*"*	*50.0*		85	*35-111*		
Surrogate: 2-Fluorobiphenyl	*41.0*			*"*	*50.0*		82	*32-115*		
Surrogate: 2,4,6-Tribromophenol	*52.4*			*"*	*50.0*		105	*37-150*		
Surrogate: Terphenyl-d14	*35.1*			*"*	*50.0*		70	*20-179*		
Batch B21I006 - 200 Series Digest - Metals, ICP/MS, Dissolved									**Prepared: 09/07/21 Analyzed: 09/08/21**	
									Dissolved Metals by EPA 200 Series Methods - Quality Control	
Blank (B21I006-BLK1)										
Arsenic	ND	U	0.5	ug/L						
Cobalt	ND	U	0.25	"						
Manganese	ND	U	2	"						
Nickel	ND	U	1	"						
Selenium	ND	U	1	"						
LCS (B21I006-BS1)										
Arsenic	39.7		0.5	ug/L	40.0		99	85-115		
Selenium	39.4		1	"	40.0		98	85-115		

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**		**WorkOrder:**	2108018
Project Number:	R21S29	**75 Hawthorne Street**		**Reported:**	09/20/21 12:36
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**			

Qualifiers and Comments

Q6	Matrix spike/matrix spike duplicate precision criteria were not met for this analyte (see MS/MSD results for this batch in QC summary).
Q4	The matrix spike and/or matrix spike duplicate associated with this sample did not meet recovery criteria for this analyte (see MS/MSD results for this batch in QC summary)
Q3	The quantitation limit standard did not meet recovery criteria for this analyte.
Q2	The laboratory control standard associated with this sample did not meet recovery criteria for this analyte (see LCS results for this batch in QC summary).
J	The reported result for this analyte should be considered an estimated value.
C4	The calibration verification check did not meet % difference criteria for this analyte.
C3	The initial calibration for this analyte did not meet calibration criteria.
C1	The reported concentration for this analyte is below the quantitation limit.
A3	The sample was prepped/analyzed past the recommended holding time.
U	Not Detected
NR	Not Reported
RE1, RE2, etc:	Result is from a sample re-analysis.

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street Building 201
Richmond, CA 94804

Date: **9/17/2021**

Subject: **Analytical Testing Results - Project R21S29**
WorkOrder: 2108019

From: **Peter Husby, Director**
EPA Region 9 Laboratory
LSS-2

To: **Fatima Ty**
California Site Cleanup Section 2
SFD-7-2

Attached are the results from the analysis of samples from the **AMCO August 2021 Groundwater Monitoring** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Audrey Johnson at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Cynthia Williams, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

Dissolved Metals by ICP	Dissolved Metals by ICP/MS
Semivolatile Organic Compounds by GC/MS	Volatile Organic Compounds by GC/MS

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
AMCO-DUP2-081321	2108019-01	Water	08/13/21 11:20	08/13/21 16:45
AMCO-DUP3-081321	2108019-02	Water	08/13/21 13:31	08/13/21 16:45
AMCO-X-13-081321	2108019-03	Water	08/13/21 10:04	08/13/21 16:45
AMCO-X-21-081321	2108019-04	Water	08/13/21 10:51	08/13/21 16:45
AMCO-X-15-081321	2108019-05	Water	08/13/21 11:40	08/13/21 16:45
AMCO-X-33-081321-D	2108019-06	Water	08/13/21 13:23	08/13/21 16:45
AMCO-X-33-081321-I	2108019-07	Water	08/13/21 13:53	08/13/21 16:45
AMCO-X-33-081321-S	2108019-08	Water	08/13/21 14:20	08/13/21 16:45
AMCO-MW-02-081321	2108019-09	Water	08/13/21 14:51	08/13/21 16:45
AMCO-X-52-081321-PDB-I	2108019-10	Water	08/13/21 11:15	08/13/21 16:45
AMCO-X-52-081321-PDB-D	2108019-11	Water	08/13/21 11:20	08/13/21 16:45
AMCO-X-52-081321-PDB-S	2108019-12	Water	08/13/21 11:05	08/13/21 16:45

Work Order 2108019

Received two 500mL poly HNO3 containers for sample AMCO-X-15-081321, but dissolved metals analysis not selected on COC. Logged in containers for metals analysis.

Dissolved metals analysis is requested on COC for sample AMCO-MW-02-081321, but received no metals samples for analysis.

Sample AMCO-DUP2-081321 COC time is 11:20 while sample label has 11:25. Logged in per COC.

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Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108019-01 — **Water - Sampled: 08/13/21 11:20**

Sample ID: AMCO-DUP2-081321

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Dichlorodifluoromethane		ND	U	2.5	ug/L	B21H041	08/16/21	08/16/21	524.2
Chloromethane		ND	U	2.5	"	"	"	"	524.2
Vinyl chloride		33		2.5	"	"	"	"	524.2
Bromomethane		ND	U	2.5	"	"	"	"	524.2
Chloroethane		ND	U	2.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	2.5	"	"	"	"	524.2
1,1-Dichloroethene		31		2.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	2.5	"	"	"	"	524.2
Acetone		190	J, Q3	20	"	"	"	"	524.2
Dichloromethane		ND	U	2.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		2.8		2.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	10	"	"	"	"	524.2
1,1-Dichloroethane		1.9	C1, J	2.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	2.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	2,200		50	"	B21H047	08/17/21	08/17/21	524.2
2-Butanone (MEK)		ND	U	20	"	B21H041	08/16/21	08/16/21	524.2
Bromochloromethane		ND	U	2.5	"	"	"	"	524.2
Chloroform		ND	U	2.5	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	U	2.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	2.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	2.5	"	"	"	"	524.2
Benzene		5.3		2.5	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	2.5	"	"	"	"	524.2
Trichloroethene		1.9	C1, J	2.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	2.5	"	"	"	"	524.2
Dibromomethane		ND	U	2.5	"	"	"	"	524.2
Bromodichloromethane		ND	U	2.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	2.5	"	"	"	"	524.2
Toluene	RE2	420		12	"	B21H050	08/17/21	08/17/21	524.2
trans-1,3-Dichloropropene		ND	U	2.5	"	B21H041	08/16/21	08/16/21	524.2
1,1,2-Trichloroethane		ND	U	2.5	"	"	"	"	524.2
Tetrachloroethene		ND	U	2.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	2.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	2.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	2.5	"	"	"	"	524.2
Chlorobenzene		1.6	C1, J	2.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	2.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108019-01 — **Water - Sampled: 08/13/21 11:20**

Sample ID: AMCO-DUP2-081321

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Ethylbenzene		23		2.5	ug/L	B21H041	08/16/21	08/16/21	524.2
m&p-Xylene		96		5	"	"	"	"	524.2
o-Xylene		78		2.5	"	"	"	"	524.2
Styrene		ND	U	2.5	"	"	"	"	524.2
Bromoform		ND	U	2.5	"	"	"	"	524.2
Isopropylbenzene		5.2		2.5	"	"	"	"	524.2
Bromobenzene		ND	U	2.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	2.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	2.5	"	"	"	"	524.2
Propylbenzene		14		2.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	2.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	2.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		38		2.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	2.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE2	140		12	"	B21H050	08/17/21	08/17/21	524.2
sec-Butylbenzene		4.6		2.5	"	B21H041	08/16/21	08/16/21	524.2
1,3-Dichlorobenzene		ND	U	2.5	"	"	"	"	524.2
p-Isopropyltoluene		30		2.5	"	"	"	"	524.2
1,4-Dichlorobenzene		ND	U	2.5	"	"	"	"	524.2
1,2-Dichlorobenzene		5.3		2.5	"	"	"	"	524.2
Butylbenzene		6.8		2.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	10	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	2.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	2.5	"	"	"	"	524.2
Naphthalene		89		2.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	2.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			102 %	*83-116%*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4	*RE1*		101 %	*83-116%*		*B21H047*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichloroethane-d4	*RE2*		111 %	*83-116%*		*B21H050*	"	*08/17/21*	
Surrogate: Toluene-d8			100 %	*81-112%*		*B21H041*	*08/16/21*	*08/16/21*	
Surrogate: Toluene-d8	*RE1*		101 %	*81-112%*		*B21H047*	*08/17/21*	*08/17/21*	
Surrogate: Toluene-d8	*RE2*		98 %	*81-112%*		*B21H050*	"	*08/17/21*	
Surrogate: 4-Bromofluorobenzene			100 %	*80-110%*		*B21H041*	*08/16/21*	*08/16/21*	
Surrogate: 4-Bromofluorobenzene	*RE1*		84 %	*80-110%*		*B21H047*	*08/17/21*	*08/17/21*	
Surrogate: 4-Bromofluorobenzene	*RE2*		98 %	*80-110%*		*B21H050*	"	*08/17/21*	
Surrogate: 1,2-Dichlorobenzene-d4			106 %	*74-113%*		*B21H041*	*08/16/21*	*08/16/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		95 %	*74-113%*		*B21H047*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE2*		104 %	*74-113%*		*B21H050*	"	*08/17/21*	

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108019-01 — **Water - Sampled: 08/13/21 11:20**

Sample ID: AMCO-DUP2-081321

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,4-Dioxane	RE2	25		19	ug/L	B21H051	08/17/21	09/01/21	8270D
Phenol		ND	U	48	"	"	"	08/25/21	8270D
Bis(2-chloroethyl)ether		ND	U	9.5	"	"	"	"	8270D
2-Chlorophenol		ND	U	48	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	9.5	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	9.5	"	"	"	"	8270D
Benzyl alcohol		ND	U	48	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	9.5	"	"	"	"	8270D
2-Methylphenol		220		48	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	C3, J, U	9.5	"	"	"	"	8270D
3&4-Methylphenol		ND	U	48	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	9.5	"	"	"	"	8270D
Hexachloroethane		ND	U	9.5	"	"	"	"	8270D
Nitrobenzene		ND	U	9.5	"	"	"	"	8270D
Isophorone		ND	U	9.5	"	"	"	"	8270D
2-Nitrophenol		ND	U	48	"	"	"	"	8270D
2,4-Dimethylphenol		84	C4, J	48	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		26		9.5	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	48	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	9.5	"	"	"	"	8270D
Naphthalene		59		9.5	"	"	"	"	8270D
4-Chloroaniline		ND	U	48	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	9.5	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	48	"	"	"	"	8270D
2-Methylnaphthalene		400		9.5	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	C3, J, U	48	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	48	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	48	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	9.5	"	"	"	"	8270D
2-Nitroaniline		ND	U	48	"	"	"	"	8270D
Dimethyl phthalate		ND	U	9.5	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	9.5	"	"	"	"	8270D
Acenaphthylene		ND	C3, J, U	9.5	"	"	"	"	8270D
3-Nitroaniline		ND	C3, J, U	48	"	"	"	"	8270D
Acenaphthene		ND	U	9.5	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, J, U	190	"	"	"	"	8270D
4-Nitrophenol		ND	U	48	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108019-01**								**Water - Sampled: 08/13/21 11:20**
Sample ID:	**AMCO-DUP2-081321**								
						Semivolatile Organic Compounds by EPA Method 8270D			
Dibenzofuran		ND	U	9.5	ug/L	B21H051	08/17/21	08/25/21	8270D
2,4-Dinitrotoluene		ND	U	9.5	"	"	"	"	8270D
Diethyl phthalate		ND	U	9.5	"	"	"	"	8270D
Fluorene		ND	U	9.5	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	9.5	"	"	"	"	8270D
4-Nitroaniline		ND	U	48	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	48	"	"	"	"	8270D
Diphenyl amine		ND	C3, J, U	9.5	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	9.5	"	"	"	"	8270D
Hexachlorobenzene		ND	U	9.5	"	"	"	"	8270D
Pentachlorophenol		ND	C4, J, U	190	"	"	"	"	8270D
Phenanthrene		ND	U	9.5	"	"	"	"	8270D
Anthracene		ND	U	9.5	"	"	"	"	8270D
Carbazole		ND	U	9.5	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	9.5	"	"	"	"	8270D
Fluoranthene		ND	U	9.5	"	"	"	"	8270D
Pyrene		ND	U	9.5	"	"	"	"	8270D
Butyl benzyl phthalate		ND	J, Q3, U	9.5	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	9.5	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	C3, C4, J, U	48	"	"	"	"	8270D
Chrysene		ND	U	9.5	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	9.5	"	"	"	"	8270D
Di-n-octyl phthalate		ND	C3, J, Q3, U	9.5	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	9.5	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	9.5	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	9.5	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	9.5	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	9.5	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	9.5	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			56 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			67 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			64 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			65 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			55 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			69 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			71 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			83 %	*37-150%*		"	"	"	

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108019-01									**Water - Sampled: 08/13/21 11:20**
Sample ID: AMCO-DUP2-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
Surrogate: Terphenyl-d14			91 %	*20-179%*		*B21H051*	*08/17/21*	*08/25/21*	
Lab ID: 2108019-02									**Water - Sampled: 08/13/21 13:31**
Sample ID: AMCO-DUP3-081321									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	U	10	ug/L	B21H048	08/17/21	08/17/21	524.2
Chloromethane		ND	U	10	"	"	"	"	524.2
Vinyl chloride		190		10	"	"	"	"	524.2
Bromomethane		ND	C4, J, Q2, Q3, U	10	"	"	"	"	524.2
Chloroethane		ND	U	10	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	10	"	"	"	"	524.2
1,1-Dichloroethene		6.4	C1, J	10	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	10	"	"	"	"	524.2
Acetone		580		80	"	"	"	"	524.2
Dichloromethane		ND	U	10	"	"	"	"	524.2
trans-1,2-Dichloroethene		80		10	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		ND	U	40	"	"	"	"	524.2
1,1-Dichloroethane		28	J, Q2	10	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	10	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	6,500		500	"	B21H057	08/18/21	08/18/21	524.2
2-Butanone (MEK)		330		80	"	B21H048	08/17/21	08/17/21	524.2
Bromochloromethane		ND	U	10	"	"	"	"	524.2
Chloroform		ND	U	10	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	U	10	"	"	"	"	524.2
Carbon tetrachloride		ND	U	10	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	10	"	"	"	"	524.2
Benzene		29		10	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	10	"	"	"	"	524.2
Trichloroethene		12	C4, J, Q2	10	"	"	"	"	524.2
1,2-Dichloropropane		ND	Q2, Q3, C4, J, U	10	"	"	"	"	524.2
Dibromomethane		ND	C4, J, Q2, U	10	"	"	"	"	524.2
Bromodichloromethane		ND	C3, J, U	10	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	10	"	"	"	"	524.2
Toluene	RE2	5,100		120	"	B21H057	08/18/21	08/18/21	524.2
trans-1,3-Dichloropropene		ND	C3, J, U	10	"	B21H048	08/17/21	08/17/21	524.2
1,1,2-Trichloroethane		ND	U	10	"	"	"	"	524.2
Tetrachloroethene		ND	U	10	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	10	"	"	"	"	524.2
Chlorodibromomethane		ND	U	10	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108019-02 — **Water - Sampled: 08/13/21 13:31**

Sample ID: AMCO-DUP3-081321

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,2-Dibromoethane (EDB)		ND	U	10	ug/L	B21H048	08/17/21	08/17/21	524.2
Chlorobenzene		33		10	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	10	"	"	"	"	524.2
Ethylbenzene		89		10	"	"	"	"	524.2
m&p-Xylene		400		20	"	"	"	"	524.2
o-Xylene		230		10	"	"	"	"	524.2
Styrene		6.4	C1, J	10	"	"	"	"	524.2
Bromoform		ND	C3, J, U	10	"	"	"	"	524.2
Isopropylbenzene		11		10	"	"	"	"	524.2
Bromobenzene		ND	U	10	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	10	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	10	"	"	"	"	524.2
Propylbenzene		25		10	"	"	"	"	524.2
2-Chlorotoluene		ND	U	10	"	"	"	"	524.2
4-Chlorotoluene		ND	U	10	"	"	"	"	524.2
1,3,5-Trimethylbenzene		75		10	"	"	"	"	524.2
tert-Butylbenzene		ND	U	10	"	"	"	"	524.2
1,2,4-Trimethylbenzene		220		10	"	"	"	"	524.2
sec-Butylbenzene		5.2	C1, J	10	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	10	"	"	"	"	524.2
p-Isopropyltoluene		38		10	"	"	"	"	524.2
1,4-Dichlorobenzene		5.0	C1, J	10	"	"	"	"	524.2
1,2-Dichlorobenzene		69		10	"	"	"	"	524.2
Butylbenzene		8.0	C1, J	10	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	40	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	10	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	10	"	"	"	"	524.2
Naphthalene		140		10	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	10	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			96 %	*83-116%*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4	*RE1*		111 %	*83-116%*		*B21H057*	*08/18/21*	*08/18/21*	
Surrogate: 1,2-Dichloroethane-d4	*RE2*		110 %	*83-116%*		"	"	*08/18/21*	
Surrogate: Toluene-d8			100 %	*81-112%*		*B21H048*	*08/17/21*	*08/17/21*	
Surrogate: Toluene-d8	*RE1*		99 %	*81-112%*		*B21H057*	*08/18/21*	*08/18/21*	
Surrogate: Toluene-d8	*RE2*		100 %	*81-112%*		"	"	*08/18/21*	
Surrogate: 4-Bromofluorobenzene			93 %	*80-110%*		*B21H048*	*08/17/21*	*08/17/21*	
Surrogate: 4-Bromofluorobenzene	*RE1*		99 %	*80-110%*		*B21H057*	*08/18/21*	*08/18/21*	
Surrogate: 4-Bromofluorobenzene	*RE2*		98 %	*80-110%*		"	"	*08/18/21*	

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108019-02									**Water - Sampled: 08/13/21 13:31**
Sample ID: AMCO-DUP3-081321									**Volatile Organic Compounds by EPA Method 524.2**
Surrogate: 1,2-Dichlorobenzene-d4			96 %	*74-113%*		*B21H048*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		105 %	*74-113%*		*B21H057*	*08/18/21*	*08/18/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE2*		102 %	*74-113%*		*"*	*"*	*08/18/21*	
Sample ID: AMCO-DUP3-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE1	100		48	"	B21H051	08/17/21	08/31/21	8270D
Phenol		ND	U	48	"	"	"	08/25/21	8270D
Bis(2-chloroethyl)ether		ND	U	9.5	"	"	"	"	8270D
2-Chlorophenol		ND	U	48	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	9.5	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	9.5	"	"	"	"	8270D
Benzyl alcohol		28	C1, J	48	"	"	"	"	8270D
1,2-Dichlorobenzene		58		9.5	"	"	"	"	8270D
2-Methylphenol		88		48	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	C3, J, U	9.5	"	"	"	"	8270D
3&4-Methylphenol		60		48	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	9.5	"	"	"	"	8270D
Hexachloroethane		29		9.5	"	"	"	"	8270D
Nitrobenzene		11		9.5	"	"	"	"	8270D
Isophorone		6.9	C1, J	9.5	"	"	"	"	8270D
2-Nitrophenol		ND	U	48	"	"	"	"	8270D
2,4-Dimethylphenol		98	C4, J	48	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		170		9.5	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	48	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	9.5	"	"	"	"	8270D
Naphthalene		120		9.5	"	"	"	"	8270D
4-Chloroaniline		39	C1, J	48	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	9.5	"	"	"	"	8270D
4-Chloro-3-methylphenol		27	C1, J	48	"	"	"	"	8270D
2-Methylnaphthalene		420		9.5	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	C3, J, U	48	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	48	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	48	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	9.5	"	"	"	"	8270D
2-Nitroaniline		ND	U	48	"	"	"	"	8270D
Dimethyl phthalate		ND	U	9.5	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	9.5	"	"	"	"	8270D
Acenaphthylene		ND	C3, J, U	9.5	"	"	"	"	8270D
3-Nitroaniline		ND	C3, J, U	48	"	"	"	"	8270D

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108019-02**								**Water - Sampled: 08/13/21 13:31**
Sample ID:	**AMCO-DUP3-081321**								
						Semivolatile Organic Compounds by EPA Method 8270D			
Acenaphthene		ND	U	9.5	ug/L	B21H051	08/17/21	08/25/21	8270D
2,4-Dinitrophenol		ND	C3, J, U	190	"	"	"	"	8270D
4-Nitrophenol		25	C1, J	48	"	"	"	"	8270D
Dibenzofuran		ND	U	9.5	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	9.5	"	"	"	"	8270D
Diethyl phthalate		ND	U	9.5	"	"	"	"	8270D
Fluorene		ND	U	9.5	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	9.5	"	"	"	"	8270D
4-Nitroaniline		ND	U	48	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	48	"	"	"	"	8270D
Diphenyl amine		ND	C3, J, U	9.5	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	9.5	"	"	"	"	8270D
Hexachlorobenzene		ND	U	9.5	"	"	"	"	8270D
Pentachlorophenol		ND	C4, J, U	190	"	"	"	"	8270D
Phenanthrene		5.0	C1, J	9.5	"	"	"	"	8270D
Anthracene		ND	U	9.5	"	"	"	"	8270D
Carbazole		ND	U	9.5	"	"	"	"	8270D
Di-n-butyl phthalate		5.1	C1, J	9.5	"	"	"	"	8270D
Fluoranthene		ND	U	9.5	"	"	"	"	8270D
Pyrene		ND	U	9.5	"	"	"	"	8270D
Butyl benzyl phthalate		ND	J, Q3, U	9.5	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	9.5	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	C3, C4, J, U	48	"	"	"	"	8270D
Chrysene		ND	U	9.5	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	9.5	"	"	"	"	8270D
Di-n-octyl phthalate		ND	C3, J, Q3, U	9.5	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	9.5	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	9.5	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	9.5	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	9.5	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	9.5	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	9.5	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8		64 %		*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol		79 %		*54-110%*		"	"	"	
Surrogate: Phenol-d5		79 %		*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4		77 %		*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4		66 %		*31-110%*		"	"	"	

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108019-02									**Water - Sampled: 08/13/21 13:31**
Sample ID: AMCO-DUP3-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
Surrogate: Nitrobenzene-d5		75 %		*35-111%*		*B21H051*	*08/17/21*	*08/25/21*	
Surrogate: 2-Fluorobiphenyl		64 %		*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol		66 %		*37-150%*		"	"	"	
Surrogate: Terphenyl-d14		92 %		*20-179%*		"	"	"	
Lab ID: 2108019-03									**Water - Sampled: 08/13/21 10:04**
Sample ID: AMCO-X-13-081321									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE3	ND	U	5	ug/L	B21H059	08/19/21	08/19/21	524.2
Chloromethane	RE3	ND	U	5	"	"	"	"	524.2
Vinyl chloride	RE3	ND	U	5	"	"	"	"	524.2
Bromomethane	RE3	ND	C4, J, U	5	"	"	"	"	524.2
Chloroethane	RE3	3.6	C1, J	5	"	"	"	"	524.2
Trichlorofluoromethane	RE3	ND	U	5	"	"	"	"	524.2
1,1-Dichloroethene	RE3	ND	U	5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE3	ND	U	5	"	"	"	"	524.2
Acetone	RE3	ND	U	40	"	"	"	"	524.2
Dichloromethane	RE3	ND	U	5	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE3	ND	U	5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE3	ND	U	20	"	"	"	"	524.2
1,1-Dichloroethane	RE3	ND	U	5	"	"	"	"	524.2
2,2-Dichloropropane	RE3	ND	U	5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE3	5.6		5	"	"	"	"	524.2
2-Butanone (MEK)	RE3	ND	U	40	"	"	"	"	524.2
Bromochloromethane	RE3	ND	U	5	"	"	"	"	524.2
Chloroform	RE3	ND	U	5	"	"	"	"	524.2
1,1,1-Trichloroethane	RE3	ND	U	5	"	"	"	"	524.2
Carbon tetrachloride	RE3	ND	U	5	"	"	"	"	524.2
1,1-Dichloropropene	RE3	ND	U	5	"	"	"	"	524.2
Benzene	RE3	ND	U	5	"	"	"	"	524.2
1,2-Dichloroethane	RE3	ND	U	5	"	"	"	"	524.2
Trichloroethene	RE3	ND	U	5	"	"	"	"	524.2
1,2-Dichloropropane	RE3	ND	U	5	"	"	"	"	524.2
Dibromomethane	RE3	ND	U	5	"	"	"	"	524.2
Bromodichloromethane	RE3	ND	U	5	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE3	ND	U	5	"	"	"	"	524.2
Toluene	RE3	5.2		5	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE3	ND	U	5	"	"	"	"	524.2
1,1,2-Trichloroethane	RE3	ND	U	5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108019-03 — **Water - Sampled: 08/13/21 10:04**

Sample ID: AMCO-X-13-081321 — **Volatile Organic Compounds by EPA Method 524.2**

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Tetrachloroethene	RE3	ND	U	5	ug/L	B21H059	08/19/21	08/19/21	524.2
1,3-Dichloropropane	RE3	ND	U	5	"	"	"	"	524.2
Chlorodibromomethane	RE3	ND	U	5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE3	ND	U	5	"	"	"	"	524.2
Chlorobenzene	RE3	ND	U	5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE3	ND	U	5	"	"	"	"	524.2
Ethylbenzene	RE3	ND	U	5	"	"	"	"	524.2
m&p-Xylene	RE3	ND	U	10	"	"	"	"	524.2
o-Xylene	RE3	ND	U	5	"	"	"	"	524.2
Styrene	RE3	ND	U	5	"	"	"	"	524.2
Bromoform	RE3	ND	U	5	"	"	"	"	524.2
Isopropylbenzene	RE3	ND	U	5	"	"	"	"	524.2
Bromobenzene	RE3	ND	U	5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE3	ND	U	5	"	"	"	"	524.2
1,2,3-Trichloropropane	RE3	ND	U	5	"	"	"	"	524.2
Propylbenzene	RE3	ND	U	5	"	"	"	"	524.2
2-Chlorotoluene	RE3	ND	U	5	"	"	"	"	524.2
4-Chlorotoluene	RE3	ND	U	5	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE3	ND	U	5	"	"	"	"	524.2
tert-Butylbenzene	RE3	ND	U	5	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE3	2.8	C1, J	5	"	"	"	"	524.2
sec-Butylbenzene	RE3	ND	U	5	"	"	"	"	524.2
1,3-Dichlorobenzene	RE3	ND	U	5	"	"	"	"	524.2
p-Isopropyltoluene	RE3	ND	U	5	"	"	"	"	524.2
1,4-Dichlorobenzene	RE3	ND	U	5	"	"	"	"	524.2
1,2-Dichlorobenzene	RE3	ND	U	5	"	"	"	"	524.2
Butylbenzene	RE3	ND	U	5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE3	ND	U	20	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE3	ND	U	5	"	"	"	"	524.2
Hexachlorobutadiene	RE3	ND	U	5	"	"	"	"	524.2
Naphthalene	RE3	6.6		5	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE3	ND	U	5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE3*	103 %		*83-116%*		"	"	"	
Surrogate: Toluene-d8	*RE3*	100 %		*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene	*RE3*	97 %		*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*RE3*	99 %		*74-113%*		"	"	"	

Sample ID: AMCO-X-13-081321 — **Semivolatile Organic Compounds by EPA Method 8270D**

United States Environmental Protection Agency
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108019-03 — **Water - Sampled: 08/13/21 10:04**

Sample ID: AMCO-X-13-081321

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,4-Dioxane	RE2	16	C1, J	19	ug/L	B21H051	08/17/21	09/01/21	8270D
Phenol		ND	U	47	"	"	"	08/25/21	8270D
Bis(2-chloroethyl)ether		ND	U	9.3	"	"	"	"	8270D
2-Chlorophenol		ND	U	47	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	9.3	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	9.3	"	"	"	"	8270D
Benzyl alcohol		ND	U	47	"	"	"	"	8270D
1,2-Dichlorobenzene		ND	U	9.3	"	"	"	"	8270D
2-Methylphenol		ND	U	47	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	9.3	"	"	"	"	8270D
3&4-Methylphenol		ND	U	47	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	9.3	"	"	"	"	8270D
Hexachloroethane		ND	U	9.3	"	"	"	"	8270D
Nitrobenzene		ND	U	9.3	"	"	"	"	8270D
Isophorone		ND	U	9.3	"	"	"	"	8270D
2-Nitrophenol		ND	U	47	"	"	"	"	8270D
2,4-Dimethylphenol		270		47	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	9.3	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	47	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	9.3	"	"	"	"	8270D
Naphthalene		8.5	C1, J	9.3	"	"	"	"	8270D
4-Chloroaniline		ND	U	47	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	9.3	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U, J, Q3	47	"	"	"	"	8270D
2-Methylnaphthalene		58		9.3	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	47	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	47	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	47	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	9.3	"	"	"	"	8270D
2-Nitroaniline		ND	U	47	"	"	"	"	8270D
Dimethyl phthalate		ND	U	9.3	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	9.3	"	"	"	"	8270D
Acenaphthylene		ND	U	9.3	"	"	"	"	8270D
3-Nitroaniline		ND	U	47	"	"	"	"	8270D
Acenaphthene		ND	U	9.3	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, C4, J, U	190	"	"	"	"	8270D
4-Nitrophenol		ND	U, C3, J	47	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108019-03 — **Water - Sampled: 08/13/21 10:04**

Sample ID: AMCO-X-13-081321

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Dibenzofuran		ND	U	9.3	ug/L	B21H051	08/17/21	08/25/21	8270D
2,4-Dinitrotoluene		ND	U	9.3	"	"	"	"	8270D
Diethyl phthalate		ND	U	9.3	"	"	"	"	8270D
Fluorene		ND	U	9.3	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	9.3	"	"	"	"	8270D
4-Nitroaniline		ND	U	47	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	47	"	"	"	"	8270D
Diphenyl amine		ND	U	9.3	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	9.3	"	"	"	"	8270D
Hexachlorobenzene		ND	U	9.3	"	"	"	"	8270D
Pentachlorophenol		ND	C4, J, U	190	"	"	"	"	8270D
Phenanthrene		6.4	C1, J	9.3	"	"	"	"	8270D
Anthracene		ND	U	9.3	"	"	"	"	8270D
Carbazole		ND	U	9.3	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	9.3	"	"	"	"	8270D
Fluoranthene		ND	U	9.3	"	"	"	"	8270D
Pyrene		ND	U	9.3	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	9.3	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	9.3	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	47	"	"	"	"	8270D
Chrysene		ND	U	9.3	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	9.3	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	9.3	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	9.3	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	9.3	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	9.3	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	9.3	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	9.3	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	9.3	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8		48 %		*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol		74 %		*54-110%*		"	"	"	
Surrogate: Phenol-d5		84 %		*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4		82 %		*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4		61 %		*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5		82 %		*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl		83 %		*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol		97 %		*37-150%*		"	"	"	

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108019-03									**Water - Sampled: 08/13/21 10:04**
Sample ID: AMCO-X-13-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
Surrogate: Terphenyl-d14			130 %	*20-179%*		*B21H051*	*08/17/21*	*08/25/21*	
Lab ID: 2108019-04									**Water - Sampled: 08/13/21 10:51**
Sample ID: AMCO-X-21-081321									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE2	ND	C3, J, U	25	ug/L	B21H057	08/18/21	08/18/21	524.2
Chloromethane	RE2	ND	U	25	"	"	"	"	524.2
Vinyl chloride	RE2	100		25	"	"	"	"	524.2
Bromomethane	RE2	ND	U	25	"	"	"	"	524.2
Chloroethane	RE2	ND	U	25	"	"	"	"	524.2
Trichlorofluoromethane	RE2	ND	U	25	"	"	"	"	524.2
1,1-Dichloroethene	RE2	ND	U	25	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE2	ND	U	25	"	"	"	"	524.2
Acetone	RE2	ND	C3, J, U	200	"	"	"	"	524.2
Dichloromethane	RE2	16	B1, C1, J	25	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE2	13	C1, J	25	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE2	ND	U	100	"	"	"	"	524.2
1,1-Dichloroethane	RE2	ND	U	25	"	"	"	"	524.2
2,2-Dichloropropane	RE2	ND	U	25	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	4,800		120	"	"	"	08/18/21	524.2
2-Butanone (MEK)	RE2	ND	U	200	"	"	"	08/18/21	524.2
Bromochloromethane	RE2	ND	U	25	"	"	"	"	524.2
Chloroform	RE2	ND	U	25	"	"	"	"	524.2
1,1,1-Trichloroethane	RE2	ND	U	25	"	"	"	"	524.2
Carbon tetrachloride	RE2	ND	U	25	"	"	"	"	524.2
1,1-Dichloropropene	RE2	ND	U	25	"	"	"	"	524.2
Benzene	RE2	22	C1, J	25	"	"	"	"	524.2
1,2-Dichloroethane	RE2	ND	U	25	"	"	"	"	524.2
Trichloroethene	RE2	ND	U	25	"	"	"	"	524.2
1,2-Dichloropropane	RE2	ND	U	25	"	"	"	"	524.2
Dibromomethane	RE2	ND	U	25	"	"	"	"	524.2
Bromodichloromethane	RE2	ND	U	25	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE2	ND	U	25	"	"	"	"	524.2
Toluene	RE1	2,300		120	"	"	"	08/18/21	524.2
trans-1,3-Dichloropropene	RE2	ND	U	25	"	"	"	08/18/21	524.2
1,1,2-Trichloroethane	RE2	ND	U	25	"	"	"	"	524.2
Tetrachloroethene	RE2	ND	U	25	"	"	"	"	524.2
1,3-Dichloropropane	RE2	ND	U	25	"	"	"	"	524.2
Chlorodibromomethane	RE2	ND	U	25	"	"	"	"	524.2

United States Environmental Protection Agency
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108019-04 — **Water - Sampled: 08/13/21 10:51**

Sample ID: AMCO-X-21-081321

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,2-Dibromoethane (EDB)	RE2	ND	U	25	ug/L	B21H057	08/18/21	08/18/21	524.2
Chlorobenzene	RE2	ND	U	25	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE2	ND	U	25	"	"	"	"	524.2
Ethylbenzene	RE2	99		25	"	"	"	"	524.2
m&p-Xylene	RE2	330		50	"	"	"	"	524.2
o-Xylene	RE2	140		25	"	"	"	"	524.2
Styrene	RE2	ND	U	25	"	"	"	"	524.2
Bromoform	RE2	ND	U	25	"	"	"	"	524.2
Isopropylbenzene	RE2	ND	U	25	"	"	"	"	524.2
Bromobenzene	RE2	ND	U	25	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE2	ND	U	25	"	"	"	"	524.2
1,2,3-Trichloropropane	RE2	ND	U	25	"	"	"	"	524.2
Propylbenzene	RE2	14	C1, J	25	"	"	"	"	524.2
2-Chlorotoluene	RE2	ND	U	25	"	"	"	"	524.2
4-Chlorotoluene	RE2	ND	U	25	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE2	43		25	"	"	"	"	524.2
tert-Butylbenzene	RE2	ND	U	25	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE2	160		25	"	"	"	"	524.2
sec-Butylbenzene	RE2	ND	U	25	"	"	"	"	524.2
1,3-Dichlorobenzene	RE2	ND	U	25	"	"	"	"	524.2
p-Isopropyltoluene	RE2	28		25	"	"	"	"	524.2
1,4-Dichlorobenzene	RE2	ND	U	25	"	"	"	"	524.2
1,2-Dichlorobenzene	RE2	16	C1, J	25	"	"	"	"	524.2
Butylbenzene	RE2	ND	U	25	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE2	ND	U	100	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE2	ND	U	25	"	"	"	"	524.2
Hexachlorobutadiene	RE2	ND	U	25	"	"	"	"	524.2
Naphthalene	RE2	160		25	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE2	ND	U	25	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		108 %	*83-116%*		"	"	*08/18/21*	
Surrogate: 1,2-Dichloroethane-d4	*RE2*		108 %	*83-116%*		"	"	*08/18/21*	
Surrogate: Toluene-d8	*RE1*		99 %	*81-112%*		"	"	*08/18/21*	
Surrogate: Toluene-d8	*RE2*		100 %	*81-112%*		"	"	*08/18/21*	
Surrogate: 4-Bromofluorobenzene	*RE1*		98 %	*80-110%*		"	"	*08/18/21*	
Surrogate: 4-Bromofluorobenzene	*RE2*		100 %	*80-110%*		"	"	*08/18/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		102 %	*74-113%*		"	"	*08/18/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE2*		106 %	*74-113%*		"	"	*08/18/21*	

Sample ID: AMCO-X-21-081321 — **Semivolatile Organic Compounds by EPA Method 8270D**

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108019-04 — **Water - Sampled: 08/13/21 10:51**

Sample ID: AMCO-X-21-081321

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,4-Dioxane	RE2	40		19	ug/L	B21H051	08/17/21	09/01/21	8270D
Phenol		ND	U	47	"	"	"	08/25/21	8270D
Bis(2-chloroethyl)ether		ND	U	9.4	"	"	"	"	8270D
2-Chlorophenol		ND	U	47	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	9.4	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	9.4	"	"	"	"	8270D
Benzyl alcohol		ND	U	47	"	"	"	"	8270D
1,2-Dichlorobenzene		11		9.4	"	"	"	"	8270D
2-Methylphenol	RE1	1,300		230	"	"	"	08/31/21	8270D
Bis(2-chloro-1-methylethyl) ether		ND	U	9.4	"	"	"	08/25/21	8270D
3&4-Methylphenol		ND	U	47	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	9.4	"	"	"	"	8270D
Hexachloroethane		ND	U	9.4	"	"	"	"	8270D
Nitrobenzene		ND	U	9.4	"	"	"	"	8270D
Isophorone		ND	U	9.4	"	"	"	"	8270D
2-Nitrophenol		ND	U	47	"	"	"	"	8270D
2,4-Dimethylphenol	RE1	1,000		230	"	"	"	08/31/21	8270D
Bis(2-chloroethoxy)methane		ND	U	9.4	"	"	"	08/25/21	8270D
2,4-Dichlorophenol		ND	U	47	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	9.4	"	"	"	"	8270D
Naphthalene		120		9.4	"	"	"	"	8270D
4-Chloroaniline		ND	U	47	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	9.4	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U, J, Q3	47	"	"	"	"	8270D
2-Methylnaphthalene		310		9.4	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	U	47	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	47	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	47	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	9.4	"	"	"	"	8270D
2-Nitroaniline		ND	U	47	"	"	"	"	8270D
Dimethyl phthalate		ND	U	9.4	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	9.4	"	"	"	"	8270D
Acenaphthylene		ND	U	9.4	"	"	"	"	8270D
3-Nitroaniline		ND	U	47	"	"	"	"	8270D
Acenaphthene		5.3	C1, J	9.4	"	"	"	"	8270D
2,4-Dinitrophenol		ND	C3, C4, J, U	190	"	"	"	"	8270D
4-Nitrophenol		ND	U, C3, J	47	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108019-04**								**Water - Sampled: 08/13/21 10:51**
Sample ID:	**AMCO-X-21-081321**								
						Semivolatile Organic Compounds by EPA Method 8270D			
Dibenzofuran		ND	U	9.4	ug/L	B21H051	08/17/21	08/25/21	8270D
2,4-Dinitrotoluene		ND	U	9.4	"	"	"	"	8270D
Diethyl phthalate		ND	U	9.4	"	"	"	"	8270D
Fluorene		ND	U	9.4	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	9.4	"	"	"	"	8270D
4-Nitroaniline		ND	U	47	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	47	"	"	"	"	8270D
Diphenyl amine		ND	U	9.4	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	9.4	"	"	"	"	8270D
Hexachlorobenzene		ND	U	9.4	"	"	"	"	8270D
Pentachlorophenol		ND	C4, J, U	190	"	"	"	"	8270D
Phenanthrene		ND	U	9.4	"	"	"	"	8270D
Anthracene		ND	U	9.4	"	"	"	"	8270D
Carbazole		ND	U	9.4	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	9.4	"	"	"	"	8270D
Fluoranthene		ND	U	9.4	"	"	"	"	8270D
Pyrene		ND	U	9.4	"	"	"	"	8270D
Butyl benzyl phthalate		ND	U	9.4	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	9.4	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	U	47	"	"	"	"	8270D
Chrysene		ND	U	9.4	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	9.4	"	"	"	"	8270D
Di-n-octyl phthalate		ND	U	9.4	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	9.4	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	9.4	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	9.4	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	9.4	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	9.4	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	9.4	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			46 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			74 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			87 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			85 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			70 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			87 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			86 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			93 %	*37-150%*		"	"	"	

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108019-04									**Water - Sampled: 08/13/21 10:51**
Sample ID: AMCO-X-21-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
Surrogate: Terphenyl-d14			45 %	*20-179%*		*B21H051*	*08/17/21*	*08/25/21*	
Lab ID: 2108019-05									**Water - Sampled: 08/13/21 11:40**
Sample ID: AMCO-X-15-081321									**Dissolved Metals by EPA 200 Series Methods**
Iron		11,000		100	ug/L	B21H052	08/17/21	09/08/21	200.7_Dissolved
Manganese		2,100		5	"	"	"	"	200.7_Dissolved
Arsenic		55		0.50	"	B21H053	08/17/21	08/24/21	200.8_Dissolved
Cobalt		0.77		0.25	"	"	"	"	200.8_Dissolved
Nickel		7.4		1	"	"	"	"	200.8_Dissolved
Selenium	RE1	2.5		1	"	B21I006	09/07/21	09/08/21	200.8_Dissolved
Sample ID: AMCO-X-15-081321									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	U	10	"	B21H048	08/17/21	08/17/21	524.2
Chloromethane	RE1	ND	U	10	"	"	"	"	524.2
Vinyl chloride	RE1	ND	U	10	"	"	"	"	524.2
Bromomethane	RE1	ND	Q4, Q6, C4, J, Q2, Q3, U	10	"	"	"	"	524.2
Chloroethane	RE1	ND	U	10	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	10	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	10	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	10	"	"	"	"	524.2
Acetone	RE1	ND	U	80	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	10	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	ND	U	10	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	40	"	"	"	"	524.2
1,1-Dichloroethane	RE1	ND	U	10	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	10	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	17		10	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	80	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	10	"	"	"	"	524.2
Chloroform	RE1	ND	U	10	"	"	"	"	524.2
1,1,1-Trichloroethane	RE1	ND	U	10	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	10	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	10	"	"	"	"	524.2
Benzene	RE1	ND	U	10	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	10	"	"	"	"	524.2
Trichloroethene	RE1	ND	C4, J, Q2, U	10	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	C4, J, Q2, Q3, U	10	"	"	"	"	524.2
Dibromomethane	RE1	ND	C4, J, Q2, U	10	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108019-05 — **Water - Sampled: 08/13/21 11:40**

Sample ID: AMCO-X-15-081321

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Bromodichloromethane	RE1	ND	C3, J, Q4, Q6, U	10	ug/L	B21H048	08/17/21	08/17/21	524.2
cis-1,3-Dichloropropene	RE1	ND	U	10	"	"	"	"	524.2
Toluene	RE1	6.4	C1, J	10	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	C3, J, U	10	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	10	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	10	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	10	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	10	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	10	"	"	"	"	524.2
Chlorobenzene	RE1	ND	U	10	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	10	"	"	"	"	524.2
Ethylbenzene	RE1	ND	U	10	"	"	"	"	524.2
m&p-Xylene	RE1	ND	U	20	"	"	"	"	524.2
o-Xylene	RE1	ND	U	10	"	"	"	"	524.2
Styrene	RE1	ND	U	10	"	"	"	"	524.2
Bromoform	RE1	ND	C3, J, U	10	"	"	"	"	524.2
Isopropylbenzene	RE1	ND	U	10	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	10	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	10	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	10	"	"	"	"	524.2
Propylbenzene	RE1	ND	U	10	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	J, Q4, U	10	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	10	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	9.8	C1, J	10	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	10	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE1	28		10	"	"	"	"	524.2
sec-Butylbenzene	RE1	ND	U	10	"	"	"	"	524.2
1,3-Dichlorobenzene	RE1	ND	U	10	"	"	"	"	524.2
p-Isopropyltoluene	RE1	6.0	C1, J	10	"	"	"	"	524.2
1,4-Dichlorobenzene	RE1	7.2	C1, J	10	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	27	J, Q4	10	"	"	"	"	524.2
Butylbenzene	RE1	ND	U	10	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	40	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	10	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	10	"	"	"	"	524.2
Naphthalene	RE1	78		10	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	10	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108019-05									**Water - Sampled: 08/13/21 11:40**
Sample ID: AMCO-X-15-081321									**Volatile Organic Compounds by EPA Method 524.2**
Surrogate: 1,2-Dichloroethane-d4	*RE1*		101 %	*83-116%*		*B21H048*	*08/17/21*	*08/17/21*	
Surrogate: Toluene-d8	*RE1*		95 %	*81-112%*		*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene	*RE1*		91 %	*80-110%*		*"*	*"*	*"*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		101 %	*74-113%*		*"*	*"*	*"*	
Sample ID: AMCO-X-15-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE2	17	C1, J	20	"	B21H051	08/17/21	09/01/21	8270D
Phenol		ND	U	100	"	"	"	08/25/21	8270D
Bis(2-chloroethyl)ether		ND	U	20	"	"	"	"	8270D
2-Chlorophenol		ND	U	100	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	20	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	20	"	"	"	"	8270D
Benzyl alcohol		ND	U	100	"	"	"	"	8270D
1,2-Dichlorobenzene		21		20	"	"	"	"	8270D
2-Methylphenol		ND	U	100	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	C3, J, U	20	"	"	"	"	8270D
3&4-Methylphenol		ND	U	100	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	20	"	"	"	"	8270D
Hexachloroethane		ND	U	20	"	"	"	"	8270D
Nitrobenzene		ND	U	20	"	"	"	"	8270D
Isophorone		ND	U	20	"	"	"	"	8270D
2-Nitrophenol		ND	U	100	"	"	"	"	8270D
2,4-Dimethylphenol		230	C4, J	100	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	20	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	100	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	20	"	"	"	"	8270D
Naphthalene		60		20	"	"	"	"	8270D
4-Chloroaniline		ND	U	100	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	20	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	100	"	"	"	"	8270D
2-Methylnaphthalene		680		20	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	C3, J, U	100	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	100	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	100	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	20	"	"	"	"	8270D
2-Nitroaniline		ND	U	100	"	"	"	"	8270D
Dimethyl phthalate		ND	U	20	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	20	"	"	"	"	8270D

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108019-05**								**Water - Sampled: 08/13/21 11:40**
Sample ID:	**AMCO-X-15-081321**								
						Semivolatile Organic Compounds by EPA Method 8270D			
Acenaphthylene		ND	C3, J, U	20	ug/L	B21H051	08/17/21	08/25/21	8270D
3-Nitroaniline		ND	C3, J, U	100	"	"	"	"	8270D
Acenaphthene		ND	U	20	"	"	"	"	8270D
2,4-Dinitrophenol		ND	U, C3, J	400	"	"	"	"	8270D
4-Nitrophenol		ND	U	100	"	"	"	"	8270D
Dibenzofuran		ND	U	20	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	20	"	"	"	"	8270D
Diethyl phthalate		ND	U	20	"	"	"	"	8270D
Fluorene		ND	U	20	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	20	"	"	"	"	8270D
4-Nitroaniline		ND	U	100	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	100	"	"	"	"	8270D
Diphenyl amine		ND	C3, J, U	20	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	20	"	"	"	"	8270D
Hexachlorobenzene		ND	U	20	"	"	"	"	8270D
Pentachlorophenol		ND	U, C4, J	400	"	"	"	"	8270D
Phenanthrene		ND	U	20	"	"	"	"	8270D
Anthracene		ND	U	20	"	"	"	"	8270D
Carbazole		ND	U	20	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	20	"	"	"	"	8270D
Fluoranthene		ND	U	20	"	"	"	"	8270D
Pyrene		ND	U	20	"	"	"	"	8270D
Butyl benzyl phthalate		ND	J, Q3, U	20	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	20	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	C3, C4, J, U	100	"	"	"	"	8270D
Chrysene		ND	U	20	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		ND	U	20	"	"	"	"	8270D
Di-n-octyl phthalate		ND	C3, J, Q3, U	20	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	20	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	20	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	20	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	20	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	20	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	20	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			52 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			72 %	*54-110%*		"	"	"	

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Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108019-05									**Water - Sampled: 08/13/21 11:40**
Sample ID: AMCO-X-15-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
Surrogate: Phenol-d5			70 %	*29-127%*		*B21H051*	*08/17/21*	*08/25/21*	
Surrogate: 2-Chlorophenol-d4			74 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			65 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			66 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			78 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			78 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			71 %	*20-179%*		"	"	"	
Lab ID: 2108019-06									**Water - Sampled: 08/13/21 13:23**
Sample ID: AMCO-X-33-081321-D									**Dissolved Metals by EPA 200 Series Methods**
Iron		6,000		100	ug/L	B21H052	08/17/21	09/08/21	200.7_Dissolved
Manganese		680		5	"	"	"	"	200.7_Dissolved
Arsenic		10		0.50	"	B21H053	08/17/21	08/24/21	200.8_Dissolved
Cobalt		0.24	C1, J	0.25	"	"	"	"	200.8_Dissolved
Nickel		10		1	"	"	"	"	200.8_Dissolved
Selenium	RE1	1.0		1	"	B21I006	09/07/21	09/08/21	200.8_Dissolved
Sample ID: AMCO-X-33-081321-D									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	U	2.5	"	B21H041	08/16/21	08/16/21	524.2
Chloromethane		ND	U	2.5	"	"	"	"	524.2
Vinyl chloride		1.5	C1, J	2.5	"	"	"	"	524.2
Bromomethane		ND	U	2.5	"	"	"	"	524.2
Chloroethane		ND	U	2.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	2.5	"	"	"	"	524.2
1,1-Dichloroethene		2.6		2.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	2.5	"	"	"	"	524.2
Acetone		ND	U	20	"	"	"	"	524.2
Dichloromethane		ND	U	2.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		ND	U	2.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		6.0	C1, J	10	"	"	"	"	524.2
1,1-Dichloroethane		ND	U	2.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	2.5	"	"	"	"	524.2
cis-1,2-Dichloroethene		79		2.5	"	"	"	"	524.2
2-Butanone (MEK)		ND	U	20	"	"	"	"	524.2
Bromochloromethane		ND	U	2.5	"	"	"	"	524.2
Chloroform		ND	U	2.5	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	U	2.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	2.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	2.5	"	"	"	"	524.2
Benzene		ND	U	2.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108019-06									**Water - Sampled: 08/13/21 13:23**
Sample ID: AMCO-X-33-081321-D									**Volatile Organic Compounds by EPA Method 524.2**
1,2-Dichloroethane		ND	U	2.5	ug/L	B21H041	08/16/21	08/16/21	524.2
Trichloroethene		8.5		2.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	2.5	"	"	"	"	524.2
Dibromomethane		ND	U	2.5	"	"	"	"	524.2
Bromodichloromethane		ND	U	2.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	2.5	"	"	"	"	524.2
Toluene		ND	U	2.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	2.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	2.5	"	"	"	"	524.2
Tetrachloroethene		ND	U	2.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	2.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	2.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	2.5	"	"	"	"	524.2
Chlorobenzene		ND	U	2.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	2.5	"	"	"	"	524.2
Ethylbenzene		4.6		2.5	"	"	"	"	524.2
m&p-Xylene		ND	U	5	"	"	"	"	524.2
o-Xylene		ND	U	2.5	"	"	"	"	524.2
Styrene		ND	U	2.5	"	"	"	"	524.2
Bromoform		ND	U	2.5	"	"	"	"	524.2
Isopropylbenzene		1.4	C1, J	2.5	"	"	"	"	524.2
Bromobenzene		ND	U	2.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	2.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	2.5	"	"	"	"	524.2
Propylbenzene		3.2		2.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	2.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	2.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		2.2	C1, J	2.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	2.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	2.5	"	"	"	"	524.2
sec-Butylbenzene		ND	U	2.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	2.5	"	"	"	"	524.2
p-Isopropyltoluene		3.2		2.5	"	"	"	"	524.2
1,4-Dichlorobenzene		ND	U	2.5	"	"	"	"	524.2
1,2-Dichlorobenzene		4.8		2.5	"	"	"	"	524.2
Butylbenzene		1.4	C1, J	2.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	10	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108019-06									**Water - Sampled: 08/13/21 13:23**
Sample ID: AMCO-X-33-081321-D									**Volatile Organic Compounds by EPA Method 524.2**
1,2,4-Trichlorobenzene		ND	U	2.5	ug/L	B21H041	08/16/21	08/16/21	524.2
Hexachlorobutadiene		ND	U	2.5	"	"	"	"	524.2
Naphthalene		2.8		2.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	2.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			100 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8			101 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene			98 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			102 %	*74-113%*		"	"	"	
Sample ID: AMCO-X-33-081321-D									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE2	ND	U	20	"	B21H051	08/17/21	09/01/21	8270D
Phenol		ND	U	25	"	"	"	08/25/21	8270D
Bis(2-chloroethyl)ether		ND	U	5	"	"	"	"	8270D
2-Chlorophenol		ND	U	25	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	5	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	5	"	"	"	"	8270D
Benzyl alcohol		ND	U	25	"	"	"	"	8270D
1,2-Dichlorobenzene		3.5	C1, J	5	"	"	"	"	8270D
2-Methylphenol		ND	U	25	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	C3, J, U	5	"	"	"	"	8270D
3&4-Methylphenol		ND	U	25	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	5	"	"	"	"	8270D
Hexachloroethane		ND	U	5	"	"	"	"	8270D
Nitrobenzene		ND	U	5	"	"	"	"	8270D
Isophorone		ND	U	5	"	"	"	"	8270D
2-Nitrophenol		ND	U	25	"	"	"	"	8270D
2,4-Dimethylphenol		ND	C4, J, U	25	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	5	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	25	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	5	"	"	"	"	8270D
Naphthalene		ND	U	5	"	"	"	"	8270D
4-Chloroaniline		ND	U	25	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	5	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	25	"	"	"	"	8270D
2-Methylnaphthalene		7.1		5	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	C3, J, U	25	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	25	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	25	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108019-06									**Water - Sampled: 08/13/21 13:23**
Sample ID: AMCO-X-33-081321-D									
						Semivolatile Organic Compounds by EPA Method 8270D			
2-Chloronaphthalene		ND	U	5	ug/L	B21H051	08/17/21	08/25/21	8270D
2-Nitroaniline		ND	U	25	"	"	"	"	8270D
Dimethyl phthalate		ND	U	5	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	5	"	"	"	"	8270D
Acenaphthylene		ND	C3, J, U	5	"	"	"	"	8270D
3-Nitroaniline		ND	C3, J, U	25	"	"	"	"	8270D
Acenaphthene		ND	U	5	"	"	"	"	8270D
2,4-Dinitrophenol		ND	U, C3, J	100	"	"	"	"	8270D
4-Nitrophenol		ND	U	25	"	"	"	"	8270D
Dibenzofuran		ND	U	5	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	5	"	"	"	"	8270D
Diethyl phthalate		ND	U	5	"	"	"	"	8270D
Fluorene		ND	U	5	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	5	"	"	"	"	8270D
4-Nitroaniline		ND	U	25	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	25	"	"	"	"	8270D
Diphenyl amine		ND	C3, J, U	5	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	5	"	"	"	"	8270D
Hexachlorobenzene		ND	U	5	"	"	"	"	8270D
Pentachlorophenol		ND	U, C4, J	100	"	"	"	"	8270D
Phenanthrene		ND	U	5	"	"	"	"	8270D
Anthracene		ND	U	5	"	"	"	"	8270D
Carbazole		ND	U	5	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	5	"	"	"	"	8270D
Fluoranthene		ND	U	5	"	"	"	"	8270D
Pyrene		ND	U	5	"	"	"	"	8270D
Butyl benzyl phthalate		ND	J, Q3, U	5	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	5	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	C3, C4, J, U	25	"	"	"	"	8270D
Chrysene		ND	U	5	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		4.4	C1, J	5	"	"	"	"	8270D
Di-n-octyl phthalate		ND	C3, J, Q3, U	5	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	5	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	5	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	5	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	5	"	"	"	"	8270D

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Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108019-06									**Water - Sampled: 08/13/21 13:23**
Sample ID: AMCO-X-33-081321-D									**Semivolatile Organic Compounds by EPA Method 8270D**
Dibenz(a,h)anthracene		ND	U	5	ug/L	B21H051	08/17/21	08/25/21	8270D
Benzo(g,h,i)perylene		ND	U	5	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			46 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			56 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			59 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			62 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			60 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			59 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			64 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			66 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			56 %	*20-179%*		"	"	"	
Lab ID: 2108019-07									**Water - Sampled: 08/13/21 13:53**
Sample ID: AMCO-X-33-081321-I									**Dissolved Metals by EPA 200 Series Methods**
Iron		6,000		100	ug/L	B21H052	08/17/21	09/08/21	200.7_Dissolved
Manganese		670		5	"	"	"	"	200.7_Dissolved
Arsenic		9.9		0.50	"	B21H053	08/17/21	08/24/21	200.8_Dissolved
Cobalt		0.23	C1, J	0.25	"	"	"	"	200.8_Dissolved
Nickel		9.6		1	"	"	"	"	200.8_Dissolved
Selenium	RE1	0.97	C1, J	1	"	B21I006	09/07/21	09/08/21	200.8_Dissolved
Sample ID: AMCO-X-33-081321-I									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	U	2.5	"	B21H041	08/16/21	08/16/21	524.2
Chloromethane		ND	U	2.5	"	"	"	"	524.2
Vinyl chloride		1.6	C1, J	2.5	"	"	"	"	524.2
Bromomethane		ND	U	2.5	"	"	"	"	524.2
Chloroethane		ND	U	2.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	2.5	"	"	"	"	524.2
1,1-Dichloroethene		2.6		2.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	2.5	"	"	"	"	524.2
Acetone		ND	U	20	"	"	"	"	524.2
Dichloromethane		ND	U	2.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		ND	U	2.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		5.4	C1, J	10	"	"	"	"	524.2
1,1-Dichloroethane		ND	U	2.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	2.5	"	"	"	"	524.2
cis-1,2-Dichloroethene		82		2.5	"	"	"	"	524.2
2-Butanone (MEK)		ND	U	20	"	"	"	"	524.2
Bromochloromethane		ND	U	2.5	"	"	"	"	524.2
Chloroform		ND	U	2.5	"	"	"	"	524.2

United States Environmental Protection Agency
Region 9 Laboratory
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: **2108019-07** **Water - Sampled: 08/13/21 13:53**

Sample ID: **AMCO-X-33-081321-I**

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,1,1-Trichloroethane		ND	U	2.5	ug/L	B21H041	08/16/21	08/16/21	524.2
Carbon tetrachloride		ND	U	2.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	2.5	"	"	"	"	524.2
Benzene		ND	U	2.5	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	2.5	"	"	"	"	524.2
Trichloroethene		9.0		2.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	2.5	"	"	"	"	524.2
Dibromomethane		ND	U	2.5	"	"	"	"	524.2
Bromodichloromethane		ND	U	2.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	2.5	"	"	"	"	524.2
Toluene		ND	U	2.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	2.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	2.5	"	"	"	"	524.2
Tetrachloroethene		ND	U	2.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	2.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	2.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	2.5	"	"	"	"	524.2
Chlorobenzene		ND	U	2.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	2.5	"	"	"	"	524.2
Ethylbenzene		5.0		2.5	"	"	"	"	524.2
m&p-Xylene		ND	U	5	"	"	"	"	524.2
o-Xylene		ND	U	2.5	"	"	"	"	524.2
Styrene		ND	U	2.5	"	"	"	"	524.2
Bromoform		ND	U	2.5	"	"	"	"	524.2
Isopropylbenzene		1.5	C1, J	2.5	"	"	"	"	524.2
Bromobenzene		ND	U	2.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	2.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	2.5	"	"	"	"	524.2
Propylbenzene		3.6		2.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	2.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	2.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		2.6		2.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	2.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	2.5	"	"	"	"	524.2
sec-Butylbenzene		1.2	C1, J	2.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	2.5	"	"	"	"	524.2
p-Isopropyltoluene		4.2		2.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108019-07									**Water - Sampled: 08/13/21 13:53**
Sample ID: AMCO-X-33-081321-I									**Volatile Organic Compounds by EPA Method 524.2**
1,4-Dichlorobenzene		ND	U	2.5	ug/L	B21H041	08/16/21	08/16/21	524.2
1,2-Dichlorobenzene		5.2		2.5	"	"	"	"	524.2
Butylbenzene		1.5	C1, J	2.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	10	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	2.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	2.5	"	"	"	"	524.2
Naphthalene		4.6		2.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	2.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			97 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8			99 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene			98 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			103 %	*74-113%*		"	"	"	
Sample ID: AMCO-X-33-081321-I									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE2	ND	U	20	"	B21H051	08/17/21	09/01/21	8270D
Phenol		ND	U	25	"	"	"	08/25/21	8270D
Bis(2-chloroethyl)ether		ND	U	5	"	"	"	"	8270D
2-Chlorophenol		ND	U	25	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	5	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	5	"	"	"	"	8270D
Benzyl alcohol		ND	U	25	"	"	"	"	8270D
1,2-Dichlorobenzene		3.8	C1, J	5	"	"	"	"	8270D
2-Methylphenol		ND	U	25	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	C3, J, U	5	"	"	"	"	8270D
3&4-Methylphenol		ND	U	25	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	5	"	"	"	"	8270D
Hexachloroethane		ND	U	5	"	"	"	"	8270D
Nitrobenzene		ND	U	5	"	"	"	"	8270D
Isophorone		ND	U	5	"	"	"	"	8270D
2-Nitrophenol		ND	U	25	"	"	"	"	8270D
2,4-Dimethylphenol		ND	C4, J, U	25	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	5	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	25	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	5	"	"	"	"	8270D
Naphthalene		2.8	C1, J	5	"	"	"	"	8270D
4-Chloroaniline		ND	U	25	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	5	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	25	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108019-07 — **Water - Sampled: 08/13/21 13:53**

Sample ID: AMCO-X-33-081321-I

Semivolatile Organic Compounds by EPA Method 8270D

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
2-Methylnaphthalene		23		5	ug/L	B21H051	08/17/21	08/25/21	8270D
Hexachlorocyclopentadiene		ND	C3, J, U	25	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	25	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	25	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	5	"	"	"	"	8270D
2-Nitroaniline		ND	U	25	"	"	"	"	8270D
Dimethyl phthalate		ND	U	5	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	5	"	"	"	"	8270D
Acenaphthylene		ND	C3, J, U	5	"	"	"	"	8270D
3-Nitroaniline		ND	C3, J, U	25	"	"	"	"	8270D
Acenaphthene		ND	U	5	"	"	"	"	8270D
2,4-Dinitrophenol		ND	U, C3, J	100	"	"	"	"	8270D
4-Nitrophenol		ND	U	25	"	"	"	"	8270D
Dibenzofuran		ND	U	5	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	5	"	"	"	"	8270D
Diethyl phthalate		ND	U	5	"	"	"	"	8270D
Fluorene		ND	U	5	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	5	"	"	"	"	8270D
4-Nitroaniline		ND	U	25	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	25	"	"	"	"	8270D
Diphenyl amine		ND	C3, J, U	5	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	5	"	"	"	"	8270D
Hexachlorobenzene		ND	U	5	"	"	"	"	8270D
Pentachlorophenol		ND	U, C4, J	100	"	"	"	"	8270D
Phenanthrene		ND	U	5	"	"	"	"	8270D
Anthracene		ND	U	5	"	"	"	"	8270D
Carbazole		ND	U	5	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	5	"	"	"	"	8270D
Fluoranthene		ND	U	5	"	"	"	"	8270D
Pyrene		ND	U	5	"	"	"	"	8270D
Butyl benzyl phthalate		ND	Q3, J, U	5	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	5	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	C3, C4, J, U	25	"	"	"	"	8270D
Chrysene		ND	U	5	"	"	"	"	8270D
Bis(2-ethylhexyl) phthalate		2.5	C1, J	5	"	"	"	"	8270D
Di-n-octyl phthalate		ND	C3, J, Q3, U	5	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	5	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108019-07									**Water - Sampled: 08/13/21 13:53**
Sample ID: AMCO-X-33-081321-I									**Semivolatile Organic Compounds by EPA Method 8270D**
Benzo(k)fluoranthene		ND	U	5	ug/L	B21H051	08/17/21	08/25/21	8270D
Benzo(a)pyrene		ND	U	5	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	5	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	5	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	5	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			51 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			62 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			61 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			64 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			59 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			62 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			66 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			78 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			72 %	*20-179%*		"	"	"	
Lab ID: 2108019-08									**Water - Sampled: 08/13/21 14:20**
Sample ID: AMCO-X-33-081321-S									**Dissolved Metals by EPA 200 Series Methods**
Iron		5,700		100	ug/L	B21H052	08/17/21	09/08/21	200.7_Dissolved
Manganese		700		5	"	"	"	"	200.7_Dissolved
Arsenic		11		0.50	"	B21H053	08/17/21	08/24/21	200.8_Dissolved
Cobalt		0.25		0.25	"	"	"	"	200.8_Dissolved
Nickel		9.9		1	"	"	"	"	200.8_Dissolved
Selenium	RE1	1.3		1	"	B21I006	09/07/21	09/08/21	200.8_Dissolved
Sample ID: AMCO-X-33-081321-S									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	U	2.5	"	B21H041	08/16/21	08/16/21	524.2
Chloromethane		ND	U	2.5	"	"	"	"	524.2
Vinyl chloride		1.5	C1, J	2.5	"	"	"	"	524.2
Bromomethane		ND	U	2.5	"	"	"	"	524.2
Chloroethane		ND	U	2.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	2.5	"	"	"	"	524.2
1,1-Dichloroethene		2.6		2.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	2.5	"	"	"	"	524.2
Acetone		ND	U	20	"	"	"	"	524.2
Dichloromethane		ND	U	2.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		ND	U	2.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		5.8	C1, J	10	"	"	"	"	524.2
1,1-Dichloroethane		ND	U	2.5	"	"	"	"	524.2
2,2-Dichloropropane		ND	U	2.5	"	"	"	"	524.2
cis-1,2-Dichloroethene		80		2.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108019-08									**Water - Sampled: 08/13/21 14:20**
Sample ID: AMCO-X-33-081321-S									**Volatile Organic Compounds by EPA Method 524.2**
2-Butanone (MEK)		ND	U	20	ug/L	B21H041	08/16/21	08/16/21	524.2
Bromochloromethane		ND	U	2.5	"	"	"	"	524.2
Chloroform		ND	U	2.5	"	"	"	"	524.2
1,1,1-Trichloroethane		ND	U	2.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	2.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	2.5	"	"	"	"	524.2
Benzene		ND	U	2.5	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	2.5	"	"	"	"	524.2
Trichloroethene		9.2		2.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	2.5	"	"	"	"	524.2
Dibromomethane		ND	U	2.5	"	"	"	"	524.2
Bromodichloromethane		ND	U	2.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	2.5	"	"	"	"	524.2
Toluene		ND	U	2.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	2.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	2.5	"	"	"	"	524.2
Tetrachloroethene		ND	U	2.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	2.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	2.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	2.5	"	"	"	"	524.2
Chlorobenzene		ND	U	2.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	2.5	"	"	"	"	524.2
Ethylbenzene		5.8		2.5	"	"	"	"	524.2
m&p-Xylene		ND	U	5	"	"	"	"	524.2
o-Xylene		1.4	C1, J	2.5	"	"	"	"	524.2
Styrene		ND	U	2.5	"	"	"	"	524.2
Bromoform		ND	U	2.5	"	"	"	"	524.2
Isopropylbenzene		1.7	C1, J	2.5	"	"	"	"	524.2
Bromobenzene		ND	U	2.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	2.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	2.5	"	"	"	"	524.2
Propylbenzene		4.4		2.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	2.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	2.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		3.2		2.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	2.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		1.5	C1, J	2.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108019-08									**Water - Sampled: 08/13/21 14:20**
Sample ID: AMCO-X-33-081321-S									**Volatile Organic Compounds by EPA Method 524.2**
sec-Butylbenzene		1.5	C1, J	2.5	ug/L	B21H041	08/16/21	08/16/21	524.2
1,3-Dichlorobenzene		ND	U	2.5	"	"	"	"	524.2
p-Isopropyltoluene		4.9		2.5	"	"	"	"	524.2
1,4-Dichlorobenzene		ND	U	2.5	"	"	"	"	524.2
1,2-Dichlorobenzene		5.8		2.5	"	"	"	"	524.2
Butylbenzene		2.0	C1, J	2.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	10	"	"	"	"	524.2
1,2,4-Trichlorobenzene		1.5	C1, J	2.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	2.5	"	"	"	"	524.2
Naphthalene		4.8		2.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	2.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			99 %	*83-116%*		"	"	"	
Surrogate: Toluene-d8			101 %	*81-112%*		"	"	"	
Surrogate: 4-Bromofluorobenzene			98 %	*80-110%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			102 %	*74-113%*		"	"	"	
Sample ID: AMCO-X-33-081321-S									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE2	11	C1, J	20	"	B21H051	08/17/21	09/01/21	8270D
Phenol		ND	U	25	"	"	"	08/25/21	8270D
Bis(2-chloroethyl)ether		ND	U	5	"	"	"	"	8270D
2-Chlorophenol		ND	U	25	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	5	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	5	"	"	"	"	8270D
Benzyl alcohol		ND	U	25	"	"	"	"	8270D
1,2-Dichlorobenzene		4.3	C1, J	5	"	"	"	"	8270D
2-Methylphenol		ND	U	25	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	C3, J, U	5	"	"	"	"	8270D
3&4-Methylphenol		ND	U	25	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	5	"	"	"	"	8270D
Hexachloroethane		ND	U	5	"	"	"	"	8270D
Nitrobenzene		ND	U	5	"	"	"	"	8270D
Isophorone		ND	U	5	"	"	"	"	8270D
2-Nitrophenol		ND	U	25	"	"	"	"	8270D
2,4-Dimethylphenol		ND	C4, J, U	25	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	5	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	25	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	5	"	"	"	"	8270D
Naphthalene		3.5	C1, J	5	"	"	"	"	8270D

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street, Building 201, Richmond, CA 94804
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108019-08									**Water - Sampled: 08/13/21 14:20**
Sample ID: AMCO-X-33-081321-S									
						Semivolatile Organic Compounds by EPA Method 8270D			
4-Chloroaniline		ND	U	25	ug/L	B21H051	08/17/21	08/25/21	8270D
Hexachlorobutadiene		ND	U	5	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	25	"	"	"	"	8270D
2-Methylnaphthalene		24		5	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	C3, J, U	25	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	25	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	25	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	5	"	"	"	"	8270D
2-Nitroaniline		ND	U	25	"	"	"	"	8270D
Dimethyl phthalate		ND	U	5	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	5	"	"	"	"	8270D
Acenaphthylene		ND	C3, J, U	5	"	"	"	"	8270D
3-Nitroaniline		ND	C3, J, U	25	"	"	"	"	8270D
Acenaphthene		ND	U	5	"	"	"	"	8270D
2,4-Dinitrophenol		ND	U, C3, J	100	"	"	"	"	8270D
4-Nitrophenol		ND	U	25	"	"	"	"	8270D
Dibenzofuran		ND	U	5	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	5	"	"	"	"	8270D
Diethyl phthalate		ND	U	5	"	"	"	"	8270D
Fluorene		ND	U	5	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	5	"	"	"	"	8270D
4-Nitroaniline		ND	U	25	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	25	"	"	"	"	8270D
Diphenyl amine		ND	C3, J, U	5	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	5	"	"	"	"	8270D
Hexachlorobenzene		ND	U	5	"	"	"	"	8270D
Pentachlorophenol		ND	U, C4, J	100	"	"	"	"	8270D
Phenanthrene		ND	U	5	"	"	"	"	8270D
Anthracene		ND	U	5	"	"	"	"	8270D
Carbazole		ND	U	5	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	5	"	"	"	"	8270D
Fluoranthene		ND	U	5	"	"	"	"	8270D
Pyrene		ND	U	5	"	"	"	"	8270D
Butyl benzyl phthalate		ND	J, Q3, U	5	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	5	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	C3, C4, J, U	25	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108019-08									**Water - Sampled: 08/13/21 14:20**
Sample ID: AMCO-X-33-081321-S									**Semivolatile Organic Compounds by EPA Method 8270D**
Chrysene		ND	U	5	ug/L	B21H051	08/17/21	08/25/21	8270D
Bis(2-ethylhexyl) phthalate		ND	U	5	"	"	"	"	8270D
Di-n-octyl phthalate		ND	C3, J, Q3, U	5	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	5	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	5	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	5	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	5	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	5	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	5	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			50 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			69 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			68 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			69 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			65 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			70 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			70 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			74 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			65 %	*20-179%*		"	"	"	
Lab ID: 2108019-09									**Water - Sampled: 08/13/21 14:51**
Sample ID: AMCO-MW-02-081321									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane	RE1	ND	U	2.5	ug/L	B21H056	08/18/21	08/18/21	524.2
Chloromethane	RE1	ND	U	2.5	"	"	"	"	524.2
Vinyl chloride	RE1	1.6	C1, J	2.5	"	"	"	"	524.2
Bromomethane	RE1	ND	C4, J, Q3, U	2.5	"	"	"	"	524.2
Chloroethane	RE1	63		2.5	"	"	"	"	524.2
Trichlorofluoromethane	RE1	ND	U	2.5	"	"	"	"	524.2
1,1-Dichloroethene	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Acetone	RE1	ND	U	20	"	"	"	"	524.2
Dichloromethane	RE1	ND	U	2.5	"	"	"	"	524.2
trans-1,2-Dichloroethene	RE1	ND	U	2.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)	RE1	ND	U	10	"	"	"	"	524.2
1,1-Dichloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
2,2-Dichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
cis-1,2-Dichloroethene	RE1	ND	U	2.5	"	"	"	"	524.2
2-Butanone (MEK)	RE1	ND	U	20	"	"	"	"	524.2
Bromochloromethane	RE1	ND	U	2.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: **2108019-09** **Water - Sampled: 08/13/21 14:51**

Sample ID: **AMCO-MW-02-081321**

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Chloroform	RE1	ND	U	2.5	ug/L	B21H056	08/18/21	08/18/21	524.2
1,1,1-Trichloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Carbon tetrachloride	RE1	ND	U	2.5	"	"	"	"	524.2
1,1-Dichloropropene	RE1	ND	U	2.5	"	"	"	"	524.2
Benzene	RE1	40		2.5	"	"	"	"	524.2
1,2-Dichloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Trichloroethene	RE1	ND	U	2.5	"	"	"	"	524.2
1,2-Dichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
Dibromomethane	RE1	ND	U	2.5	"	"	"	"	524.2
Bromodichloromethane	RE1	ND	U	2.5	"	"	"	"	524.2
cis-1,3-Dichloropropene	RE1	ND	U	2.5	"	"	"	"	524.2
Toluene	RE1	ND	U	2.5	"	"	"	"	524.2
trans-1,3-Dichloropropene	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,2-Trichloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Tetrachloroethene	RE1	ND	U	2.5	"	"	"	"	524.2
1,3-Dichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
Chlorodibromomethane	RE1	ND	U	2.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)	RE1	ND	U	2.5	"	"	"	"	524.2
Chlorobenzene	RE1	66		2.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
Ethylbenzene	RE1	120		2.5	"	"	"	"	524.2
m&p-Xylene	RE1	ND	U	5	"	"	"	"	524.2
o-Xylene	RE1	ND	U	2.5	"	"	"	"	524.2
Styrene	RE1	ND	U	2.5	"	"	"	"	524.2
Bromoform	RE1	ND	U	2.5	"	"	"	"	524.2
Isopropylbenzene	RE1	23		2.5	"	"	"	"	524.2
Bromobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane	RE1	ND	U	2.5	"	"	"	"	524.2
1,2,3-Trichloropropane	RE1	ND	U	2.5	"	"	"	"	524.2
Propylbenzene	RE1	37		2.5	"	"	"	"	524.2
2-Chlorotoluene	RE1	ND	U	2.5	"	"	"	"	524.2
4-Chlorotoluene	RE1	ND	U	2.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene	RE1	1.8	C1, J	2.5	"	"	"	"	524.2
tert-Butylbenzene	RE1	ND	U	2.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene	RE2	210		10	"	"	"	08/18/21	524.2
sec-Butylbenzene	RE1	5.2		2.5	"	"	"	08/18/21	524.2
1,3-Dichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108019-09									**Water - Sampled: 08/13/21 14:51**
Sample ID: AMCO-MW-02-081321									**Volatile Organic Compounds by EPA Method 524.2**
p-Isopropyltoluene	RE1	5.6		2.5	ug/L	B21H056	08/18/21	08/18/21	524.2
1,4-Dichlorobenzene	RE1	3.0		2.5	"	"	"	"	524.2
1,2-Dichlorobenzene	RE1	34		2.5	"	"	"	"	524.2
Butylbenzene	RE1	3.6		2.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane	RE1	ND	U	10	"	"	"	"	524.2
1,2,4-Trichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
Hexachlorobutadiene	RE1	ND	U	2.5	"	"	"	"	524.2
Naphthalene	RE1	84		2.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene	RE1	ND	U	2.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4	*RE1*		105 %	*83-116%*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4	*RE2*		100 %	*83-116%*		"	"	*08/18/21*	
Surrogate: Toluene-d8	*RE1*		97 %	*81-112%*		"	"	*08/18/21*	
Surrogate: Toluene-d8	*RE2*		98 %	*81-112%*		"	"	*08/18/21*	
Surrogate: 4-Bromofluorobenzene	*RE1*		100 %	*80-110%*		"	"	*08/18/21*	
Surrogate: 4-Bromofluorobenzene	*RE2*		99 %	*80-110%*		"	"	*08/18/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		105 %	*74-113%*		"	"	*08/18/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE2*		102 %	*74-113%*		"	"	*08/18/21*	
Sample ID: AMCO-MW-02-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
1,4-Dioxane	RE2	90		38	"	B21H051	08/17/21	09/01/21	8270D
Phenol		ND	U	48	"	"	"	08/25/21	8270D
Bis(2-chloroethyl)ether		ND	U	9.5	"	"	"	"	8270D
2-Chlorophenol		ND	U	48	"	"	"	"	8270D
1,3-Dichlorobenzene		ND	U	9.5	"	"	"	"	8270D
1,4-Dichlorobenzene		ND	U	9.5	"	"	"	"	8270D
Benzyl alcohol		ND	U	48	"	"	"	"	8270D
1,2-Dichlorobenzene		25		9.5	"	"	"	"	8270D
2-Methylphenol		ND	U	48	"	"	"	"	8270D
Bis(2-chloro-1-methylethyl) ether		ND	C3, J, U	9.5	"	"	"	"	8270D
3&4-Methylphenol		ND	U	48	"	"	"	"	8270D
N-Nitrosodipropylamine		ND	U	9.5	"	"	"	"	8270D
Hexachloroethane		ND	U	9.5	"	"	"	"	8270D
Nitrobenzene		ND	U	9.5	"	"	"	"	8270D
Isophorone		ND	U	9.5	"	"	"	"	8270D
2-Nitrophenol		ND	U	48	"	"	"	"	8270D
2,4-Dimethylphenol		53	C4, J	48	"	"	"	"	8270D
Bis(2-chloroethoxy)methane		ND	U	9.5	"	"	"	"	8270D
2,4-Dichlorophenol		ND	U	48	"	"	"	"	8270D
1,2,4-Trichlorobenzene		ND	U	9.5	"	"	"	"	8270D

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Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108019-09**								**Water - Sampled: 08/13/21 14:51**
Sample ID:	**AMCO-MW-02-081321**								
						Semivolatile Organic Compounds by EPA Method 8270D			
Naphthalene		67		9.5	ug/L	B21H051	08/17/21	08/25/21	8270D
4-Chloroaniline		ND	U	48	"	"	"	"	8270D
Hexachlorobutadiene		ND	U	9.5	"	"	"	"	8270D
4-Chloro-3-methylphenol		ND	U	48	"	"	"	"	8270D
2-Methylnaphthalene		76		9.5	"	"	"	"	8270D
Hexachlorocyclopentadiene		ND	C3, J, U	48	"	"	"	"	8270D
2,4,6-Trichlorophenol		ND	U	48	"	"	"	"	8270D
2,4,5-Trichlorophenol		ND	U	48	"	"	"	"	8270D
2-Chloronaphthalene		ND	U	9.5	"	"	"	"	8270D
2-Nitroaniline		ND	U	48	"	"	"	"	8270D
Dimethyl phthalate		ND	U	9.5	"	"	"	"	8270D
2,6-Dinitrotoluene		ND	U	9.5	"	"	"	"	8270D
Acenaphthylene		ND	C3, J, U	9.5	"	"	"	"	8270D
3-Nitroaniline		ND	C3, J, U	48	"	"	"	"	8270D
Acenaphthene		ND	U	9.5	"	"	"	"	8270D
2,4-Dinitrophenol		ND	U, C3, J	190	"	"	"	"	8270D
4-Nitrophenol		ND	U	48	"	"	"	"	8270D
Dibenzofuran		ND	U	9.5	"	"	"	"	8270D
2,4-Dinitrotoluene		ND	U	9.5	"	"	"	"	8270D
Diethyl phthalate		ND	U	9.5	"	"	"	"	8270D
Fluorene		ND	U	9.5	"	"	"	"	8270D
4-Chlorophenyl phenyl ether		ND	U	9.5	"	"	"	"	8270D
4-Nitroaniline		ND	U	48	"	"	"	"	8270D
4,6-Dinitro-2-methylphenol		ND	U	48	"	"	"	"	8270D
Diphenyl amine		ND	C3, J, U	9.5	"	"	"	"	8270D
4-Bromophenyl phenyl ether		ND	U	9.5	"	"	"	"	8270D
Hexachlorobenzene		ND	U	9.5	"	"	"	"	8270D
Pentachlorophenol		ND	U, C4, J	190	"	"	"	"	8270D
Phenanthrene		ND	U	9.5	"	"	"	"	8270D
Anthracene		ND	U	9.5	"	"	"	"	8270D
Carbazole		ND	U	9.5	"	"	"	"	8270D
Di-n-butyl phthalate		ND	U	9.5	"	"	"	"	8270D
Fluoranthene		ND	U	9.5	"	"	"	"	8270D
Pyrene		ND	U	9.5	"	"	"	"	8270D
Butyl benzyl phthalate		ND	J, Q3, U	9.5	"	"	"	"	8270D
Benzo(a)anthracene		ND	U	9.5	"	"	"	"	8270D
3,3'-Dichlorobenzidine		ND	C3, C4, J, U	48	"	"	"	"	8270D

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108019-09									**Water - Sampled: 08/13/21 14:51**
Sample ID: AMCO-MW-02-081321									**Semivolatile Organic Compounds by EPA Method 8270D**
Chrysene		ND	U	9.5	ug/L	B21H051	08/17/21	08/25/21	8270D
Bis(2-ethylhexyl) phthalate		ND	U	9.5	"	"	"	"	8270D
Di-n-octyl phthalate		ND	C3, J, Q3, U	9.5	"	"	"	"	8270D
Benzo(b)fluoranthene		ND	U	9.5	"	"	"	"	8270D
Benzo(k)fluoranthene		ND	U	9.5	"	"	"	"	8270D
Benzo(a)pyrene		ND	U	9.5	"	"	"	"	8270D
Indeno(1,2,3-cd)pyrene		ND	U	9.5	"	"	"	"	8270D
Dibenz(a,h)anthracene		ND	U	9.5	"	"	"	"	8270D
Benzo(g,h,i)perylene		ND	U	9.5	"	"	"	"	8270D
Surrogate: 1,4-Dioxane-d8			48 %	*34-110%*		"	"	"	
Surrogate: 2-Fluorophenol			68 %	*54-110%*		"	"	"	
Surrogate: Phenol-d5			70 %	*29-127%*		"	"	"	
Surrogate: 2-Chlorophenol-d4			69 %	*39-121%*		"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4			62 %	*31-110%*		"	"	"	
Surrogate: Nitrobenzene-d5			69 %	*35-111%*		"	"	"	
Surrogate: 2-Fluorobiphenyl			70 %	*32-115%*		"	"	"	
Surrogate: 2,4,6-Tribromophenol			83 %	*37-150%*		"	"	"	
Surrogate: Terphenyl-d14			37 %	*20-179%*		"	"	"	
Lab ID: 2108019-10									**Water - Sampled: 08/13/21 11:15**
Sample ID: AMCO-X-52-081321-PDB-I									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	C3, J, U	0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride	RE1	220		50	"	B21H047	08/17/21	08/17/21	524.2
Bromomethane		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2
Chloroethane		19		0.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene		1.8		0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	"	"	"	524.2
Acetone		2.6	C1, C3, J	4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		8.9		0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		15		2	"	"	"	"	524.2
1,1-Dichloroethane	RE2	69		2.5	"	B21H048	08/17/21	08/17/21	524.2
2,2-Dichloropropane		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2
cis-1,2-Dichloroethene	RE1	230		50	"	B21H047	08/17/21	08/17/21	524.2
2-Butanone (MEK)		ND	U	4	"	B21H044	08/16/21	08/16/21	524.2
Bromochloromethane		ND	U	0.5	"	"	"	"	524.2
Chloroform		ND	U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108019-10 — **Water - Sampled: 08/13/21 11:15**

Sample ID: AMCO-X-52-081321-PDB-I

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
1,1,1-Trichloroethane		13		0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
Carbon tetrachloride		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Benzene		2.6		0.5	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
Trichloroethene		1.0		0.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Dibromomethane		ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane		ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Toluene		20		0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene		0.6		0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
Ethylbenzene		2.8		0.5	"	"	"	"	524.2
m&p-Xylene		2.3		1	"	"	"	"	524.2
o-Xylene		4.2		0.5	"	"	"	"	524.2
Styrene		ND	U	0.5	"	"	"	"	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		0.6		0.5	"	"	"	"	524.2
Bromobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	0.5	"	"	"	"	524.2
Propylbenzene		0.7		0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		0.4	C1, J	0.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		0.6		0.5	"	"	"	"	524.2
sec-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	0.5	"	"	"	"	524.2
1,4-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108019-10									**Water - Sampled: 08/13/21 11:15**
Sample ID: AMCO-X-52-081321-PDB-I									**Volatile Organic Compounds by EPA Method 524.2**
1,2-Dichlorobenzene		0.8		0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	0.5	"	"	"	"	524.2
Naphthalene		0.4	C1, J	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			108 %	*83-116%*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4	*RE1*		103 %	*83-116%*		*B21H047*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichloroethane-d4	*RE2*		96 %	*83-116%*		*B21H048*	*08/17/21*	*08/17/21*	
Surrogate: Toluene-d8			99 %	*81-112%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: Toluene-d8	*RE1*		101 %	*81-112%*		*B21H047*	*08/17/21*	*08/17/21*	
Surrogate: Toluene-d8	*RE2*		95 %	*81-112%*		*B21H048*	*08/17/21*	*08/17/21*	
Surrogate: 4-Bromofluorobenzene			100 %	*80-110%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: 4-Bromofluorobenzene	*RE1*		84 %	*80-110%*		*B21H047*	*08/17/21*	*08/17/21*	
Surrogate: 4-Bromofluorobenzene	*RE2*		95 %	*80-110%*		*B21H048*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichlorobenzene-d4			103 %	*74-113%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		95 %	*74-113%*		*B21H047*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE2*		96 %	*74-113%*		*B21H048*	*08/17/21*	*08/17/21*	
Lab ID: 2108019-11									**Water - Sampled: 08/13/21 11:20**
Sample ID: AMCO-X-52-081321-PDB-D									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	C3, J, U	0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride	RE3	190		10	"	B21H057	08/18/21	08/18/21	524.2
Bromomethane		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2
Chloroethane		14		0.5	"	"	"	"	524.2
Trichlorofluoromethane		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloroethene		1.3		0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	"	"	"	524.2
Acetone		2.4	C1, C3, J	4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		6.6		0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		15		2	"	"	"	"	524.2
1,1-Dichloroethane	RE1	60		5	"	B21H049	08/17/21	08/17/21	524.2
2,2-Dichloropropane		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2
cis-1,2-Dichloroethene	RE3	240		10	"	B21H057	08/18/21	08/18/21	524.2
2-Butanone (MEK)		ND	U	4	"	B21H044	08/16/21	08/16/21	524.2
Bromochloromethane		ND	U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**2108019-11**								**Water - Sampled: 08/13/21 11:20**
Sample ID:	**AMCO-X-52-081321-PDB-D**								
							Volatile Organic Compounds by EPA Method 524.2		
Chloroform		ND	U	0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
1,1,1-Trichloroethane		9.0		0.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Benzene		2.0		0.5	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
Trichloroethene		0.9		0.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Dibromomethane		ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane		ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Toluene		11		0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene		0.5		0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
Ethylbenzene		1.9		0.5	"	"	"	"	524.2
m&p-Xylene		1.6		1	"	"	"	"	524.2
o-Xylene		3.1		0.5	"	"	"	"	524.2
Styrene		ND	U	0.5	"	"	"	"	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		0.4	C1, J	0.5	"	"	"	"	524.2
Bromobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	0.5	"	"	"	"	524.2
Propylbenzene		0.5		0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		0.3	C1, J	0.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		0.5		0.5	"	"	"	"	524.2
sec-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2
p-Isopropyltoluene		ND	U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 2108019-11									**Water - Sampled: 08/13/21 11:20**
Sample ID: AMCO-X-52-081321-PDB-D									**Volatile Organic Compounds by EPA Method 524.2**
1,4-Dichlorobenzene		ND	U	0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
1,2-Dichlorobenzene		0.6		0.5	"	"	"	"	524.2
Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	0.5	"	"	"	"	524.2
Naphthalene		0.4	C1, J	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			110 %	*83-116%*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4	*RE1*		103 %	*83-116%*		*B21H049*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichloroethane-d4	*RE3*		109 %	*83-116%*		*B21H057*	*08/18/21*	*08/18/21*	
Surrogate: Toluene-d8			99 %	*81-112%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: Toluene-d8	*RE1*		96 %	*81-112%*		*B21H049*	*08/17/21*	*08/17/21*	
Surrogate: Toluene-d8	*RE3*		100 %	*81-112%*		*B21H057*	*08/18/21*	*08/18/21*	
Surrogate: 4-Bromofluorobenzene			104 %	*80-110%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: 4-Bromofluorobenzene	*RE1*		99 %	*80-110%*		*B21H049*	*08/17/21*	*08/17/21*	
Surrogate: 4-Bromofluorobenzene	*RE3*		96 %	*80-110%*		*B21H057*	*08/18/21*	*08/18/21*	
Surrogate: 1,2-Dichlorobenzene-d4			104 %	*74-113%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		101 %	*74-113%*		*B21H049*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE3*		98 %	*74-113%*		*B21H057*	*08/18/21*	*08/18/21*	
Lab ID: 2108019-12									**Water - Sampled: 08/13/21 11:05**
Sample ID: AMCO-X-52-081321-PDB-S									**Volatile Organic Compounds by EPA Method 524.2**
Dichlorodifluoromethane		ND	C3, J, U	0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
Chloromethane		ND	U	0.5	"	"	"	"	524.2
Vinyl chloride	RE1	300		50	"	B21H047	08/17/21	08/17/21	524.2
Bromomethane		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2
Chloroethane	RE2	28		2.5	"	B21H048	08/17/21	08/17/21	524.2
Trichlorofluoromethane		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2
1,1-Dichloroethene		2.2		0.5	"	"	"	"	524.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	U	0.5	"	"	"	"	524.2
Acetone		ND	C3, J, U	4	"	"	"	"	524.2
Dichloromethane		ND	U	0.5	"	"	"	"	524.2
trans-1,2-Dichloroethene		15		0.5	"	"	"	"	524.2
tert-Butyl methyl ether (MTBE)		15		2	"	"	"	"	524.2
1,1-Dichloroethane	RE2	98		2.5	"	B21H048	08/17/21	08/17/21	524.2
2,2-Dichloropropane		ND	U	0.5	"	B21H044	08/16/21	08/16/21	524.2
cis-1,2-Dichloroethene	RE1	300		50	"	B21H047	08/17/21	08/17/21	524.2
2-Butanone (MEK)		ND	U	4	"	B21H044	08/16/21	08/16/21	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108019-12 — **Water - Sampled: 08/13/21 11:05**

Sample ID: AMCO-X-52-081321-PDB-S

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Bromochloromethane		ND	U	0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
Chloroform		ND	U	0.5	"	"	"	"	524.2
1,1,1-Trichloroethane		17		0.5	"	"	"	"	524.2
Carbon tetrachloride		ND	U	0.5	"	"	"	"	524.2
1,1-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Benzene		4.6		0.5	"	"	"	"	524.2
1,2-Dichloroethane		ND	U	0.5	"	"	"	"	524.2
Trichloroethene		1.5		0.5	"	"	"	"	524.2
1,2-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Dibromomethane		ND	U	0.5	"	"	"	"	524.2
Bromodichloromethane		ND	U	0.5	"	"	"	"	524.2
cis-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
Toluene		3.5		0.5	"	"	"	"	524.2
trans-1,3-Dichloropropene		ND	U	0.5	"	"	"	"	524.2
1,1,2-Trichloroethane		ND	U	0.5	"	"	"	"	524.2
Tetrachloroethene		ND	U	0.5	"	"	"	"	524.2
1,3-Dichloropropane		ND	U	0.5	"	"	"	"	524.2
Chlorodibromomethane		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromoethane (EDB)		ND	U	0.5	"	"	"	"	524.2
Chlorobenzene		1.0		0.5	"	"	"	"	524.2
1,1,1,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
Ethylbenzene		4.3		0.5	"	"	"	"	524.2
m&p-Xylene		1.8		1	"	"	"	"	524.2
o-Xylene		6.8		0.5	"	"	"	"	524.2
Styrene		ND	U	0.5	"	"	"	"	524.2
Bromoform		ND	U	0.5	"	"	"	"	524.2
Isopropylbenzene		1.0		0.5	"	"	"	"	524.2
Bromobenzene		ND	U	0.5	"	"	"	"	524.2
1,1,2,2-Tetrachloroethane		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichloropropane		ND	U	0.5	"	"	"	"	524.2
Propylbenzene		1.2		0.5	"	"	"	"	524.2
2-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
4-Chlorotoluene		ND	U	0.5	"	"	"	"	524.2
1,3,5-Trimethylbenzene		0.4	C1, J	0.5	"	"	"	"	524.2
tert-Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2,4-Trimethylbenzene		ND	U	0.5	"	"	"	"	524.2
sec-Butylbenzene		0.2	C1, J	0.5	"	"	"	"	524.2
1,3-Dichlorobenzene		ND	U	0.5	"	"	"	"	524.2

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Sample Results

Lab ID: 2108019-12 — **Water - Sampled: 08/13/21 11:05**

Sample ID: AMCO-X-52-081321-PDB-S

Volatile Organic Compounds by EPA Method 524.2

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
p-Isopropyltoluene		ND	U	0.5	ug/L	B21H044	08/16/21	08/16/21	524.2
1,4-Dichlorobenzene		0.3	C1, J	0.5	"	"	"	"	524.2
1,2-Dichlorobenzene		1.4		0.5	"	"	"	"	524.2
Butylbenzene		ND	U	0.5	"	"	"	"	524.2
1,2-Dibromo-3-chloropropane		ND	U	2	"	"	"	"	524.2
1,2,4-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Hexachlorobutadiene		ND	U	0.5	"	"	"	"	524.2
Naphthalene		ND	U	0.5	"	"	"	"	524.2
1,2,3-Trichlorobenzene		ND	U	0.5	"	"	"	"	524.2
Surrogate: 1,2-Dichloroethane-d4			111 %	*83-116%*		"	"	"	
Surrogate: 1,2-Dichloroethane-d4	*RE1*		103 %	*83-116%*		*B21H047*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichloroethane-d4	*RE2*		96 %	*83-116%*		*B21H048*	*08/17/21*	*08/17/21*	
Surrogate: Toluene-d8			100 %	*81-112%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: Toluene-d8	*RE1*		100 %	*81-112%*		*B21H047*	*08/17/21*	*08/17/21*	
Surrogate: Toluene-d8	*RE2*		95 %	*81-112%*		*B21H048*	*08/17/21*	*08/17/21*	
Surrogate: 4-Bromofluorobenzene			101 %	*80-110%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: 4-Bromofluorobenzene	*RE1*		107 %	*80-110%*		*B21H047*	*08/17/21*	*08/17/21*	
Surrogate: 4-Bromofluorobenzene	*RE2*		94 %	*80-110%*		*B21H048*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichlorobenzene-d4			102 %	*74-113%*		*B21H044*	*08/16/21*	*08/16/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE1*		95 %	*74-113%*		*B21H047*	*08/17/21*	*08/17/21*	
Surrogate: 1,2-Dichlorobenzene-d4	*RE2*		95 %	*74-113%*		*B21H048*	*08/17/21*	*08/17/21*	

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Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H041 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H041-BLK1)										
Dichlorodifluoromethane	ND	U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	U	4	"						
Dichloromethane	ND	U	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						

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Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H041 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H041-BLK1)										
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*5.19*			*"*	*5.00*		104	*83-116*		
Surrogate: Toluene-d8	*4.97*			*"*	*5.00*		99	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.95*			*"*	*5.00*		99	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.12*			*"*	*5.00*		102	*74-113*		
LCS (B21H041-BS1)										
Dichlorodifluoromethane	4.82		0.5	ug/L	5.00		96	70-128		
Chloromethane	4.35		0.5	"	5.00		87	63-123		
Vinyl chloride	4.57		0.5	"	5.00		91	70-130		
Bromomethane	4.74		0.5	"	5.00		95	31-150		
Chloroethane	4.63		0.5	"	5.00		93	74-119		
Trichlorofluoromethane	4.71		0.5	"	5.00		94	72-123		
1,1-Dichloroethene	4.67		0.5	"	5.00		93	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	4.53		0.5	"	5.00		91	73-129		
Acetone	33.7		4	"	40.0		84	61-114		
Dichloromethane	4.67		0.5	"	5.00		93	70-130		
trans-1,2-Dichloroethene	4.56		0.5	"	5.00		91	70-130		
tert-Butyl methyl ether (MTBE)	17.6		2	"	20.0		88	62-117		
1,1-Dichloroethane	4.52		0.5	"	5.00		90	74-115		
2,2-Dichloropropane	5		0.5	"	5.00		100	64-144		

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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H041 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H041-BS1)										
cis-1,2-Dichloroethene	4.9		0.5	"	5.00		98	70-130		
2-Butanone (MEK)	35.4		4	"	40.0		89	57-121		
Bromochloromethane	5.02		0.5	"	5.00		100	71-122		
Chloroform	4.96		0.5	"	5.00		99	70-130		
1,1,1-Trichloroethane	4.92		0.5	"	5.00		98	70-130		
Carbon tetrachloride	4.98		0.5	"	5.00		100	70-130		
1,1-Dichloropropene	4.75		0.5	"	5.00		95	71-119		
Benzene	4.81		0.5	"	5.00		96	70-130		
1,2-Dichloroethane	4.98		0.5	"	5.00		100	70-130		
Trichloroethene	4.82		0.5	"	5.00		96	70-130		
1,2-Dichloropropane	4.9		0.5	"	5.00		98	70-130		
Dibromomethane	5.05		0.5	"	5.00		101	72-121		
Bromodichloromethane	4.88		0.5	"	5.00		98	70-130		
cis-1,3-Dichloropropene	4.94		0.5	"	5.00		99	68-120		
Toluene	4.96		0.5	"	5.00		99	70-130		
trans-1,3-Dichloropropene	4.99		0.5	"	5.00		100	64-126		
1,1,2-Trichloroethane	4.97		0.5	"	5.00		99	70-130		
Tetrachloroethene	4.95		0.5	"	5.00		99	70-130		
1,3-Dichloropropane	5.05		0.5	"	5.00		101	80-114		
Chlorodibromomethane	4.99		0.5	"	5.00		100	70-130		
1,2-Dibromoethane (EDB)	5.13		0.5	"	5.00		103	80-115		
Chlorobenzene	4.98		0.5	"	5.00		100	70-130		
1,1,1,2-Tetrachloroethane	5.01		0.5	"	5.00		100	82-116		
Ethylbenzene	5.03		0.5	"	5.00		101	70-130		
m&p-Xylene	9.92		1	"	10.0		99	70-130		
o-Xylene	5.04		0.5	"	5.00		101	70-130		
Styrene	4.94		0.5	"	5.00		99	70-130		
Bromoform	4.95		0.5	"	5.00		99	70-130		
Isopropylbenzene	4.98		0.5	"	5.00		100	86-114		
Bromobenzene	4.97		0.5	"	5.00		99	84-110		
1,1,2,2-Tetrachloroethane	5.19		0.5	"	5.00		104	81-113		
1,2,3-Trichloropropane	4.96		0.5	"	5.00		99	81-114		
Propylbenzene	4.95		0.5	"	5.00		99	87-115		
2-Chlorotoluene	4.99		0.5	"	5.00		100	84-111		
4-Chlorotoluene	4.96		0.5	"	5.00		99	82-112		
1,3,5-Trimethylbenzene	4.93		0.5	"	5.00		99	85-113		
tert-Butylbenzene	4.87		0.5	"	5.00		97	86-114		
1,2,4-Trimethylbenzene	4.97		0.5	"	5.00		99	84-114		
sec-Butylbenzene	4.88		0.5	"	5.00		98	87-119		
1,3-Dichlorobenzene	4.88		0.5	"	5.00		98	85-110		
p-Isopropyltoluene	4.86		0.5	"	5.00		97	86-117		
1,4-Dichlorobenzene	4.93		0.5	"	5.00		99	70-130		

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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H041 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H041-BS1)										
1,2-Dichlorobenzene	4.95		0.5	"	5.00		99	70-130		
Butylbenzene	4.8		0.5	"	5.00		96	85-118		
1,2-Dibromo-3-chloropropane	19.4		2	"	20.0		97	54-133		
1,2,4-Trichlorobenzene	4.83		0.5	"	5.00		97	70-130		
Hexachlorobutadiene	4.84		0.5	"	5.00		97	66-113		
Naphthalene	4.33		0.5	"	5.00		87	58-126		
1,2,3-Trichlorobenzene	4.77		0.5	"	5.00		95	65-119		
Surrogate: 1,2-Dichloroethane-d4	*5.10*			*"*	*5.00*		102	*83-116*		
Surrogate: Toluene-d8	*5.00*			*"*	*5.00*		100	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.97*			*"*	*5.00*		99	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.04*			*"*	*5.00*		101	*74-113*		
Batch B21H044 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H044-BLK1)										
Dichlorodifluoromethane	ND	C3, J, U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	C3, J, U	4	"						
Dichloromethane	ND	U	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						

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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H044 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H044-BLK1)										
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*5.41*			*"*	*5.00*		108	*83-116*		
Surrogate: Toluene-d8	*4.98*			*"*	*5.00*		100	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.88*			*"*	*5.00*		98	*80-110*		

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Region 9 Laboratory
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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H044 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H044-BLK1)										
Surrogate: 1,2-Dichlorobenzene-d4		*4.82*		*"*	*5.00*		96	*74-113*		
LCS (B21H044-BS1)										
Dichlorodifluoromethane	5.7		0.5	ug/L	5.00		114	70-128		
Chloromethane	4.9		0.5	"	5.00		98	63-123		
Vinyl chloride	5.02		0.5	"	5.00		100	70-130		
Bromomethane	3.67		0.5	"	5.00		73	31-150		
Chloroethane	4.64		0.5	"	5.00		93	74-119		
Trichlorofluoromethane	5.09		0.5	"	5.00		102	72-123		
1,1-Dichloroethene	4.84		0.5	"	5.00		97	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.4		0.5	"	5.00		108	73-129		
Acetone	31		4	"	40.0		77	61-114		
Dichloromethane	4.47		0.5	"	5.00		89	70-130		
trans-1,2-Dichloroethene	4.74		0.5	"	5.00		95	70-130		
tert-Butyl methyl ether (MTBE)	17.9		2	"	20.0		90	62-117		
1,1-Dichloroethane	4.51		0.5	"	5.00		90	74-115		
2,2-Dichloropropane	4.85		0.5	"	5.00		97	64-144		
cis-1,2-Dichloroethene	4.64		0.5	"	5.00		93	70-130		
2-Butanone (MEK)	40.4		4	"	40.0		101	57-121		
Bromochloromethane	4.73		0.5	"	5.00		95	71-122		
Chloroform	4.78		0.5	"	5.00		96	70-130		
1,1,1-Trichloroethane	5		0.5	"	5.00		100	70-130		
Carbon tetrachloride	5.26		0.5	"	5.00		105	70-130		
1,1-Dichloropropene	5.13		0.5	"	5.00		103	71-119		
Benzene	4.87		0.5	"	5.00		97	70-130		
1,2-Dichloroethane	4.71		0.5	"	5.00		94	70-130		
Trichloroethene	4.83		0.5	"	5.00		97	70-130		
1,2-Dichloropropane	4.97		0.5	"	5.00		99	70-130		
Dibromomethane	4.92		0.5	"	5.00		98	72-121		
Bromodichloromethane	4.81		0.5	"	5.00		96	70-130		
cis-1,3-Dichloropropene	4.84		0.5	"	5.00		97	68-120		
Toluene	4.85		0.5	"	5.00		97	70-130		
trans-1,3-Dichloropropene	4.86		0.5	"	5.00		97	64-126		
1,1,2-Trichloroethane	4.97		0.5	"	5.00		99	70-130		
Tetrachloroethene	5.19		0.5	"	5.00		104	70-130		
1,3-Dichloropropane	5.04		0.5	"	5.00		101	80-114		
Chlorodibromomethane	4.8		0.5	"	5.00		96	70-130		
1,2-Dibromoethane (EDB)	4.93		0.5	"	5.00		99	80-115		
Chlorobenzene	4.81		0.5	"	5.00		96	70-130		
1,1,1,2-Tetrachloroethane	4.88		0.5	"	5.00		98	82-116		
Ethylbenzene	4.89		0.5	"	5.00		98	70-130		
m&p-Xylene	9.63		1	"	10.0		96	70-130		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H044 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/16/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H044-BS1)										
o-Xylene	4.72		0.5	"	5.00		94	70-130		
Styrene	4.86		0.5	"	5.00		97	70-130		
Bromoform	4.84		0.5	"	5.00		97	70-130		
Isopropylbenzene	4.91		0.5	"	5.00		98	86-114		
Bromobenzene	4.71		0.5	"	5.00		94	84-110		
1,1,2,2-Tetrachloroethane	5.02		0.5	"	5.00		100	81-113		
1,2,3-Trichloropropane	5.06		0.5	"	5.00		101	81-114		
Propylbenzene	4.97		0.5	"	5.00		99	87-115		
2-Chlorotoluene	4.82		0.5	"	5.00		96	84-111		
4-Chlorotoluene	4.91		0.5	"	5.00		98	82-112		
1,3,5-Trimethylbenzene	4.87		0.5	"	5.00		97	85-113		
tert-Butylbenzene	4.86		0.5	"	5.00		97	86-114		
1,2,4-Trimethylbenzene	4.85		0.5	"	5.00		97	84-114		
sec-Butylbenzene	5.02		0.5	"	5.00		100	87-119		
1,3-Dichlorobenzene	4.78		0.5	"	5.00		96	85-110		
p-Isopropyltoluene	5		0.5	"	5.00		100	86-117		
1,4-Dichlorobenzene	4.74		0.5	"	5.00		95	70-130		
1,2-Dichlorobenzene	4.72		0.5	"	5.00		94	70-130		
Butylbenzene	5.03		0.5	"	5.00		101	85-118		
1,2-Dibromo-3-chloropropane	18.6		2	"	20.0		93	54-133		
1,2,4-Trichlorobenzene	4.6		0.5	"	5.00		92	70-130		
Hexachlorobutadiene	5.16		0.5	"	5.00		103	66-113		
Naphthalene	4.62		0.5	"	5.00		92	58-126		
1,2,3-Trichlorobenzene	4.73		0.5	"	5.00		95	65-119		
Surrogate: 1,2-Dichloroethane-d4	*5.17*			*"*	*5.00*		103	*83-116*		
Surrogate: Toluene-d8	*5.06*			*"*	*5.00*		101	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.94*			*"*	*5.00*		99	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.12*			*"*	*5.00*		102	*74-113*		
Batch B21H047 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H047-BLK1)										
Dichlorodifluoromethane	ND	U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	U	4	"						

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H047 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H047-BLK1)										
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H047 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H047-BLK1)										
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
Hexachlorobutadiene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*5.09*			*"*	*5.00*		102	*83-116*		
Surrogate: Toluene-d8	*5.05*			*"*	*5.00*		101	*81-112*		
Surrogate: 4-Bromofluorobenzene	*5.44*			*"*	*5.00*		109	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.80*			*"*	*5.00*		96	*74-113*		
LCS (B21H047-BS1)										
Dichlorodifluoromethane	4.94		0.5	ug/L	5.00		99	70-128		
Chloromethane	5.08		0.5	"	5.00		102	63-123		
Vinyl chloride	5.02		0.5	"	5.00		100	70-130		
Bromomethane	4.48		0.5	"	5.00		90	31-150		
Chloroethane	5.03		0.5	"	5.00		101	74-119		
Trichlorofluoromethane	4.96		0.5	"	5.00		99	72-123		
1,1-Dichloroethene	4.99		0.5	"	5.00		100	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.06		0.5	"	5.00		101	73-129		
Acetone	33.8		4	"	40.0		85	61-114		
Dichloromethane	4.09		0.5	"	5.00		82	70-130		
trans-1,2-Dichloroethene	5.05		0.5	"	5.00		101	70-130		
tert-Butyl methyl ether (MTBE)	20.4		2	"	20.0		102	62-117		
1,1-Dichloroethane	5.07		0.5	"	5.00		101	74-115		
2,2-Dichloropropane	5.12		0.5	"	5.00		102	64-144		
cis-1,2-Dichloroethene	5.01		0.5	"	5.00		100	70-130		
2-Butanone (MEK)	39.3		4	"	40.0		98	57-121		
Bromochloromethane	4.92		0.5	"	5.00		98	71-122		
Chloroform	4.99		0.5	"	5.00		100	70-130		
1,1,1-Trichloroethane	4.96		0.5	"	5.00		99	70-130		
Carbon tetrachloride	4.93		0.5	"	5.00		99	70-130		
1,1-Dichloropropene	4.94		0.5	"	5.00		99	71-119		
Benzene	5.01		0.5	"	5.00		100	70-130		
1,2-Dichloroethane	4.93		0.5	"	5.00		99	70-130		
Trichloroethene	4.98		0.5	"	5.00		100	70-130		
1,2-Dichloropropane	4.99		0.5	"	5.00		100	70-130		
Dibromomethane	5.02		0.5	"	5.00		100	72-121		
Bromodichloromethane	4.99		0.5	"	5.00		100	70-130		
cis-1,3-Dichloropropene	5.13		0.5	"	5.00		103	68-120		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H047 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H047-BS1)										
Toluene	4.96		0.5	"	5.00		99	70-130		
trans-1,3-Dichloropropene	4.94		0.5	"	5.00		99	64-126		
1,1,2-Trichloroethane	4.99		0.5	"	5.00		100	70-130		
Tetrachloroethene	4.85		0.5	"	5.00		97	70-130		
1,3-Dichloropropane	4.99		0.5	"	5.00		100	80-114		
Chlorodibromomethane	4.97		0.5	"	5.00		99	70-130		
1,2-Dibromoethane (EDB)	4.92		0.5	"	5.00		98	80-115		
Chlorobenzene	4.92		0.5	"	5.00		98	70-130		
1,1,1,2-Tetrachloroethane	4.97		0.5	"	5.00		99	82-116		
Ethylbenzene	4.94		0.5	"	5.00		99	70-130		
m&p-Xylene	9.9		1	"	10.0		99	70-130		
o-Xylene	4.96		0.5	"	5.00		99	70-130		
Styrene	4.96		0.5	"	5.00		99	70-130		
Bromoform	5.14		0.5	"	5.00		103	70-130		
Isopropylbenzene	5.19		0.5	"	5.00		104	86-114		
Bromobenzene	5.47		0.5	"	5.00		109	84-110		
1,1,2,2-Tetrachloroethane	5.6		0.5	"	5.00		112	81-113		
1,2,3-Trichloropropane	5.52		0.5	"	5.00		110	81-114		
Propylbenzene	5.15		0.5	"	5.00		103	87-115		
2-Chlorotoluene	5.04		0.5	"	5.00		101	84-111		
4-Chlorotoluene	5.02		0.5	"	5.00		100	82-112		
1,3,5-Trimethylbenzene	5.02		0.5	"	5.00		100	85-113		
tert-Butylbenzene	4.94		0.5	"	5.00		99	86-114		
1,2,4-Trimethylbenzene	5.02		0.5	"	5.00		100	84-114		
sec-Butylbenzene	4.95		0.5	"	5.00		99	87-119		
1,3-Dichlorobenzene	4.94		0.5	"	5.00		99	85-110		
p-Isopropyltoluene	4.92		0.5	"	5.00		98	86-117		
1,4-Dichlorobenzene	4.94		0.5	"	5.00		99	70-130		
1,2-Dichlorobenzene	4.92		0.5	"	5.00		98	70-130		
Butylbenzene	4.76		0.5	"	5.00		95	85-118		
1,2-Dibromo-3-chloropropane	19.2		2	"	20.0		96	54-133		
1,2,4-Trichlorobenzene	4.63		0.5	"	5.00		93	70-130		
Hexachlorobutadiene	4.81		0.5	"	5.00		96	66-113		
Naphthalene	3.72		0.5	"	5.00		74	58-126		
1,2,3-Trichlorobenzene	4.58		0.5	"	5.00		92	65-119		
Surrogate: 1,2-Dichloroethane-d4	*5.08*			*"*	*5.00*		102	*83-116*		
Surrogate: Toluene-d8	*5.02*			*"*	*5.00*		100	*81-112*		
Surrogate: 4-Bromofluorobenzene	*5.40*			*"*	*5.00*		108	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.10*			*"*	*5.00*		102	*74-113*		
Batch B21H048 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Blank (B21H048-BLK1)										
Dichlorodifluoromethane	ND	U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	C4, J, Q2, Q3, U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	U	4	"						
Dichloromethane	0.3	C1, J	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	C4, J, Q2, U	0.5	"						
1,2-Dichloropropane	ND	C4, J, Q2, Q3, U	0.5	"						
Dibromomethane	ND	C4, J, Q2, U	0.5	"						
Bromodichloromethane	ND	J, C3, U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	C3, J, U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	C3, J, U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H048 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H048-BLK1)										
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*4.96*			*"*	*5.00*		99	*83-116*		
Surrogate: Toluene-d8	*4.74*			*"*	*5.00*		95	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.43*			*"*	*5.00*		89	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.56*			*"*	*5.00*		91	*74-113*		
LCS (B21H048-BS1)										
Dichlorodifluoromethane	5.69		0.5	ug/L	5.00		114	70-128		
Chloromethane	3.97		0.5	"	5.00		79	63-123		
Vinyl chloride	4.81		0.5	"	5.00		96	70-130		
Bromomethane	0.34	J	0.5	"	5.00		**7**	31-150		
Chloroethane	5.52		0.5	"	5.00		110	74-119		
Trichlorofluoromethane	5.61		0.5	"	5.00		112	72-123		
1,1-Dichloroethene	5.85		0.5	"	5.00		117	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.89		0.5	"	5.00		118	73-129		
Acetone	41.3		4	"	40.0		103	61-114		
Dichloromethane	5.97		0.5	"	5.00		119	70-130		
trans-1,2-Dichloroethene	6.16		0.5	"	5.00		123	70-130		
tert-Butyl methyl ether (MTBE)	23		2	"	20.0		115	62-117		
1,1-Dichloroethane	6.15		0.5	"	5.00		**123**	74-115		
2,2-Dichloropropane	4.89		0.5	"	5.00		98	64-144		
cis-1,2-Dichloroethene	5.09		0.5	"	5.00		102	70-130		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H048 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H048-BS1)										
2-Butanone (MEK)	40.5		4	"	40.0		101	57-121		
Bromochloromethane	4.74		0.5	"	5.00		95	71-122		
Chloroform	5.05		0.5	"	5.00		101	70-130		
1,1,1-Trichloroethane	4.93		0.5	"	5.00		99	70-130		
Carbon tetrachloride	5.08		0.5	"	5.00		102	70-130		
1,1-Dichloropropene	5.07		0.5	"	5.00		101	71-119		
Benzene	5.05		0.5	"	5.00		101	70-130		
1,2-Dichloroethane	4.83		0.5	"	5.00		97	70-130		
Trichloroethene	3.37		0.5	"	5.00		**67**	70-130		
1,2-Dichloropropane	2.89		0.5	"	5.00		**58**	70-130		
Dibromomethane	3.28		0.5	"	5.00		**66**	72-121		
Bromodichloromethane	3.85		0.5	"	5.00		77	70-130		
cis-1,3-Dichloropropene	4.92		0.5	"	5.00		98	68-120		
Toluene	5.23		0.5	"	5.00		105	70-130		
trans-1,3-Dichloropropene	5.31		0.5	"	5.00		106	64-126		
1,1,2-Trichloroethane	5.18		0.5	"	5.00		104	70-130		
Tetrachloroethene	5.24		0.5	"	5.00		105	70-130		
1,3-Dichloropropane	5.17		0.5	"	5.00		103	80-114		
Chlorodibromomethane	5.19		0.5	"	5.00		104	70-130		
1,2-Dibromoethane (EDB)	5.27		0.5	"	5.00		105	80-115		
Chlorobenzene	5.07		0.5	"	5.00		101	70-130		
1,1,1,2-Tetrachloroethane	5.21		0.5	"	5.00		104	82-116		
Ethylbenzene	5.33		0.5	"	5.00		107	70-130		
m&p-Xylene	10.3		1	"	10.0		103	70-130		
o-Xylene	5.21		0.5	"	5.00		104	70-130		
Styrene	5.27		0.5	"	5.00		105	70-130		
Bromoform	5.17		0.5	"	5.00		103	70-130		
Isopropylbenzene	5.25		0.5	"	5.00		105	86-114		
Bromobenzene	4.98		0.5	"	5.00		100	84-110		
1,1,2,2-Tetrachloroethane	5.15		0.5	"	5.00		103	81-113		
1,2,3-Trichloropropane	5.14		0.5	"	5.00		103	81-114		
Propylbenzene	5.27		0.5	"	5.00		105	87-115		
2-Chlorotoluene	5.15		0.5	"	5.00		103	84-111		
4-Chlorotoluene	5.21		0.5	"	5.00		104	82-112		
1,3,5-Trimethylbenzene	5.16		0.5	"	5.00		103	85-113		
tert-Butylbenzene	5.16		0.5	"	5.00		103	86-114		
1,2,4-Trimethylbenzene	5.19		0.5	"	5.00		104	84-114		
sec-Butylbenzene	5.21		0.5	"	5.00		104	87-119		
1,3-Dichlorobenzene	5.04		0.5	"	5.00		101	85-110		
p-Isopropyltoluene	5.1		0.5	"	5.00		102	86-117		
1,4-Dichlorobenzene	5.07		0.5	"	5.00		101	70-130		
1,2-Dichlorobenzene	4.97		0.5	"	5.00		99	70-130		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H048 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H048-BS1)										
Butylbenzene	5.24		0.5	"	5.00		105	85-118		
1,2-Dibromo-3-chloropropane	21		2	"	20.0		105	54-133		
1,2,4-Trichlorobenzene	4.89		0.5	"	5.00		98	70-130		
Hexachlorobutadiene	4.4		0.5	"	5.00		88	66-113		
Naphthalene	5.15		0.5	"	5.00		103	58-126		
1,2,3-Trichlorobenzene	4.79		0.5	"	5.00		96	65-119		
Surrogate: 1,2-Dichloroethane-d4		*4.85*		*"*	*5.00*		97	*83-116*		
Surrogate: Toluene-d8		*5.04*		*"*	*5.00*		101	*81-112*		
Surrogate: 4-Bromofluorobenzene		*4.90*		*"*	*5.00*		98	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4		*5.01*		*"*	*5.00*		100	*74-113*		
Matrix Spike (B21H048-MS1)		**Source: 2108019-05RE1**								
Dichlorodifluoromethane	84.4		10	ug/L	100	ND	84	62-142		
Chloromethane	67		10	"	100	ND	67	54-144		
Vinyl chloride	88.8		10	"	100	ND	89	62-141		
Bromomethane	16		10	"	100	ND	**16**	32-150		
Chloroethane	90.2		10	"	100	ND	90	68-136		
Trichlorofluoromethane	85.6		10	"	100	ND	86	66-142		
1,1-Dichloroethene	93.8		10	"	100	ND	94	73-134		
1,1,2-Trichloro-1,2,2-trifluoroethane	88.6		10	"	100	ND	89	65-148		
Acetone	732		80	"	800	ND	91	20-150		
Dichloromethane	105		10	"	100	ND	105	65-126		
trans-1,2-Dichloroethene	95.2		10	"	100	ND	95	70-134		
tert-Butyl methyl ether (MTBE)	382		40	"	400	ND	96	56-128		
1,1-Dichloroethane	92.8		10	"	100	ND	93	67-134		
2,2-Dichloropropane	78.8		10	"	100	ND	79	41-150		
cis-1,2-Dichloroethene	112		10	"	100	17.4	94	63-137		
2-Butanone (MEK)	699		80	"	800	ND	87	48-142		
Bromochloromethane	84.8		10	"	100	ND	85	70-132		
Chloroform	86.6		10	"	100	ND	87	65-141		
1,1,1-Trichloroethane	81		10	"	100	ND	81	69-116		
Carbon tetrachloride	81.4		10	"	100	ND	81	65-130		
1,1-Dichloropropene	83		10	"	100	ND	83	71-116		
Benzene	87.8		10	"	100	ND	88	77-115		
1,2-Dichloroethane	85.4		10	"	100	ND	85	71-112		
Trichloroethene	87.6		10	"	100	ND	88	65-124		
1,2-Dichloropropane	85		10	"	100	ND	85	73-118		
Dibromomethane	85.4		10	"	100	ND	85	65-123		
Bromodichloromethane	98		10	"	100	ND	98	72-118		
cis-1,3-Dichloropropene	86.8		10	"	100	ND	87	69-113		
Toluene	97		10	"	100	6.4	91	84-115		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H048 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Matrix Spike (B21H048-MS1)		**Source: 2108019-05RE1**								
trans-1,3-Dichloropropene	88.6		10	"	100	ND	89	67-117		
1,1,2-Trichloroethane	86.8		10	"	100	ND	87	81-115		
Tetrachloroethene	82.8		10	"	100	ND	83	81-115		
1,3-Dichloropropane	87.8		10	"	100	ND	88	82-113		
Chlorodibromomethane	82.2		10	"	100	ND	82	82-116		
1,2-Dibromoethane (EDB)	89.4		10	"	100	ND	89	83-115		
Chlorobenzene	87.6		10	"	100	ND	88	82-110		
1,1,1,2-Tetrachloroethane	85.2		10	"	100	ND	85	77-116		
Ethylbenzene	90		10	"	100	ND	90	85-112		
m&p-Xylene	170		20	"	200	ND	85	84-113		
o-Xylene	89.2		10	"	100	ND	89	82-110		
Styrene	86.8		10	"	100	ND	87	25-150		
Bromoform	82		10	"	100	ND	82	69-121		
Isopropylbenzene	86.4		10	"	100	ND	86	80-117		
Bromobenzene	84		10	"	100	ND	84	84-110		
1,1,2,2-Tetrachloroethane	89.2		10	"	100	ND	89	77-117		
1,2,3-Trichloropropane	87.2		10	"	100	ND	87	78-115		
Propylbenzene	88.6		10	"	100	ND	89	83-116		
2-Chlorotoluene	81.8		10	"	100	ND	**82**	83-110		
4-Chlorotoluene	86.2		10	"	100	ND	86	82-110		
1,3,5-Trimethylbenzene	91.4		10	"	100	9.8	82	82-112		
tert-Butylbenzene	82.2		10	"	100	ND	82	81-115		
1,2,4-Trimethylbenzene	118		10	"	100	27.6	91	81-113		
sec-Butylbenzene	82.2		10	"	100	ND	82	79-122		
1,3-Dichlorobenzene	83.2		10	"	100	ND	83	82-110		
p-Isopropyltoluene	86.8		10	"	100	6	81	78-120		
1,4-Dichlorobenzene	90.2		10	"	100	7.2	83	81-110		
1,2-Dichlorobenzene	109		10	"	100	27.4	**81**	82-110		
Butylbenzene	83.6		10	"	100	ND	84	72-122		
1,2-Dibromo-3-chloropropane	363		40	"	400	ND	91	47-131		
1,2,4-Trichlorobenzene	89		10	"	100	ND	89	62-115		
Hexachlorobutadiene	67.4		10	"	100	ND	67	51-116		
Naphthalene	180		10	"	100	78.2	101	47-137		
1,2,3-Trichlorobenzene	85.8		10	"	100	ND	86	62-117		
Surrogate: 1,2-Dichloroethane-d4	*4.82*			*"*	*5.00*		96	*83-116*		
Surrogate: Toluene-d8	*4.92*			*"*	*5.00*		98	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.93*			*"*	*5.00*		99	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.00*			*"*	*5.00*		100	*74-113*		
Matrix Spike Dup (B21H048-MSD1)		**Source: 2108019-05RE1**								
Dichlorodifluoromethane	87		10	ug/L	100	ND	87	62-142	3	21

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Batch B21H048 - 5030 P&T VOA - VOCs — **Prepared & Analyzed: 08/17/21**

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Matrix Spike Dup (B21H048-MSD1) — **Source: 2108019-05RE1**

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Chloromethane	73.2		10	"	100	ND	73	54-144	9	20
Vinyl chloride	94.4		10	"	100	ND	94	62-141	6	19
Bromomethane	20		10	"	100	ND	**20**	32-150	**22**	20
Chloroethane	94		10	"	100	ND	94	68-136	4	17
Trichlorofluoromethane	89.6		10	"	100	ND	90	66-142	5	19
1,1-Dichloroethene	99.2		10	"	100	ND	99	73-134	6	18
1,1,2-Trichloro-1,2,2-trifluoroethane	93.8		10	"	100	ND	94	65-148	6	19
Acetone	770		80	"	800	ND	96	20-150	5	31
Dichloromethane	112		10	"	100	ND	112	65-126	6	16
trans-1,2-Dichloroethene	100		10	"	100	ND	100	70-134	5	19
tert-Butyl methyl ether (MTBE)	400		40	"	400	ND	100	56-128	5	22
1,1-Dichloroethane	97.8		10	"	100	ND	98	67-134	5	19
2,2-Dichloropropane	72.2		10	"	100	ND	72	41-150	9	40
cis-1,2-Dichloroethene	97.2		10	"	100	17.4	80	63-137	14	46
2-Butanone (MEK)	633		80	"	800	ND	79	48-142	10	34
Bromochloromethane	80.2		10	"	100	ND	80	70-132	6	21
Chloroform	81.2		10	"	100	ND	81	65-141	6	23
1,1,1-Trichloroethane	76		10	"	100	ND	76	69-116	6	14
Carbon tetrachloride	76		10	"	100	ND	76	65-130	7	14
1,1-Dichloropropene	76.4		10	"	100	ND	76	71-116	8	15
Benzene	82		10	"	100	ND	82	77-115	7	13
1,2-Dichloroethane	80.2		10	"	100	ND	80	71-112	6	14
Trichloroethene	81.8		10	"	100	ND	82	65-124	7	15
1,2-Dichloropropane	78.8		10	"	100	ND	79	73-118	8	14
Dibromomethane	79		10	"	100	ND	79	65-123	8	16
Bromodichloromethane	61		10	"	100	ND	**61**	72-118	**47**	16
cis-1,3-Dichloropropene	82.4		10	"	100	ND	82	69-113	5	19
Toluene	95.8		10	"	100	6.4	89	84-115	1	15
trans-1,3-Dichloropropene	91		10	"	100	ND	91	67-117	3	19
1,1,2-Trichloroethane	89.8		10	"	100	ND	90	81-115	3	20
Tetrachloroethene	85.2		10	"	100	ND	85	81-115	3	14
1,3-Dichloropropane	89.4		10	"	100	ND	89	82-113	2	18
Chlorodibromomethane	84.8		10	"	100	ND	85	82-116	3	18
1,2-Dibromoethane (EDB)	91.6		10	"	100	ND	92	83-115	2	20
Chlorobenzene	88		10	"	100	ND	88	82-110	0.5	13
1,1,1,2-Tetrachloroethane	89		10	"	100	ND	89	77-116	4	17
Ethylbenzene	89.6		10	"	100	ND	90	85-112	0.4	13
m&p-Xylene	176		20	"	200	ND	88	84-113	4	13
o-Xylene	92		10	"	100	ND	92	82-110	3	13
Styrene	89		10	"	100	ND	89	25-150	3	29
Bromoform	83.2		10	"	100	ND	83	69-121	1	17
Isopropylbenzene	88.4		10	"	100	ND	88	80-117	2	14

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H048 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Matrix Spike Dup (B21H048-MSD1)		**Source: 2108019-05RE1**								
Bromobenzene	86.6		10	"	100	ND	87	84-110	3	14
1,1,2,2-Tetrachloroethane	89.4		10	"	100	ND	89	77-117	0.2	15
1,2,3-Trichloropropane	89.4		10	"	100	ND	89	78-115	2	13
Propylbenzene	89.2		10	"	100	ND	89	83-116	0.7	12
2-Chlorotoluene	84.4		10	"	100	ND	84	83-110	3	12
4-Chlorotoluene	88.8		10	"	100	ND	89	82-110	3	12
1,3,5-Trimethylbenzene	93.8		10	"	100	9.8	84	82-112	3	13
tert-Butylbenzene	85.2		10	"	100	ND	85	81-115	4	16
1,2,4-Trimethylbenzene	113		10	"	100	27.6	85	81-113	5	13
sec-Butylbenzene	84.2		10	"	100	ND	84	79-122	2	14
1,3-Dichlorobenzene	86		10	"	100	ND	86	82-110	3	12
p-Isopropyltoluene	89		10	"	100	6	83	78-120	3	13
1,4-Dichlorobenzene	92.2		10	"	100	7.2	85	81-110	2	11
1,2-Dichlorobenzene	111		10	"	100	27.4	84	82-110	2	12
Butylbenzene	86.4		10	"	100	ND	86	72-122	3	10
1,2-Dibromo-3-chloropropane	360		40	"	400	ND	90	47-131	0.7	15
1,2,4-Trichlorobenzene	91.8		10	"	100	ND	92	62-115	3	13
Hexachlorobutadiene	76.6		10	"	100	ND	77	51-116	13	14
Naphthalene	180		10	"	100	78.2	102	47-137	0.1	16
1,2,3-Trichlorobenzene	89.4		10	"	100	ND	89	62-117	4	17
Surrogate: 1,2-Dichloroethane-d4	*4.41*			*"*	*5.00*		88	*83-116*		
Surrogate: Toluene-d8	*4.91*			*"*	*5.00*		98	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.92*			*"*	*5.00*		98	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.94*			*"*	*5.00*		99	*74-113*		
Batch B21H049 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H049-BLK2)										
Dichlorodifluoromethane	ND	U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	J, C4, U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	U	4	"						
Dichloromethane	ND	U	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H049 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H049-BLK2)										
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						

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Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H049 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H049-BLK2)										
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*4.78*			*"*	*5.00*		96	*83-116*		
Surrogate: Toluene-d8	*5.02*			*"*	*5.00*		100	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.81*			*"*	*5.00*		96	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.01*			*"*	*5.00*		100	*74-113*		
LCS (B21H049-BS1)										
Dichlorodifluoromethane	5.31		0.5	ug/L	5.00		106	70-128		
Chloromethane	4.4		0.5	"	5.00		88	63-123		
Vinyl chloride	4.77		0.5	"	5.00		95	70-130		
Bromomethane	2.96		0.5	"	5.00		59	31-150		
Chloroethane	5.07		0.5	"	5.00		101	74-119		
Trichlorofluoromethane	5.25		0.5	"	5.00		105	72-123		
1,1-Dichloroethene	5.19		0.5	"	5.00		104	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.09		0.5	"	5.00		102	73-129		
Acetone	38.4		4	"	40.0		96	61-114		
Dichloromethane	5.37		0.5	"	5.00		107	70-130		
trans-1,2-Dichloroethene	5.17		0.5	"	5.00		103	70-130		
tert-Butyl methyl ether (MTBE)	20.3		2	"	20.0		101	62-117		
1,1-Dichloroethane	5.08		0.5	"	5.00		102	74-115		
2,2-Dichloropropane	5.24		0.5	"	5.00		105	64-144		
cis-1,2-Dichloroethene	4.98		0.5	"	5.00		100	70-130		
2-Butanone (MEK)	37.9		4	"	40.0		95	57-121		
Bromochloromethane	5.06		0.5	"	5.00		101	71-122		
Chloroform	5.06		0.5	"	5.00		101	70-130		
1,1,1-Trichloroethane	5.15		0.5	"	5.00		103	70-130		
Carbon tetrachloride	5.17		0.5	"	5.00		103	70-130		
1,1-Dichloropropene	4.89		0.5	"	5.00		98	71-119		
Benzene	4.96		0.5	"	5.00		99	70-130		
1,2-Dichloroethane	5.1		0.5	"	5.00		102	70-130		
Trichloroethene	4.93		0.5	"	5.00		99	70-130		
1,2-Dichloropropane	4.93		0.5	"	5.00		99	70-130		
Dibromomethane	5.09		0.5	"	5.00		102	72-121		
Bromodichloromethane	5.05		0.5	"	5.00		101	70-130		

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Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H049 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H049-BS1)										
cis-1,3-Dichloropropene	5.13		0.5	"	5.00		103	68-120		
Toluene	4.88		0.5	"	5.00		98	70-130		
trans-1,3-Dichloropropene	4.99		0.5	"	5.00		100	64-126		
1,1,2-Trichloroethane	4.87		0.5	"	5.00		97	70-130		
Tetrachloroethene	5.03		0.5	"	5.00		101	70-130		
1,3-Dichloropropane	5		0.5	"	5.00		100	80-114		
Chlorodibromomethane	5		0.5	"	5.00		100	70-130		
1,2-Dibromoethane (EDB)	5.11		0.5	"	5.00		102	80-115		
Chlorobenzene	5.01		0.5	"	5.00		100	70-130		
1,1,1,2-Tetrachloroethane	5.03		0.5	"	5.00		101	82-116		
Ethylbenzene	5.11		0.5	"	5.00		102	70-130		
m&p-Xylene	10.1		1	"	10.0		101	70-130		
o-Xylene	5.16		0.5	"	5.00		103	70-130		
Styrene	4.99		0.5	"	5.00		100	70-130		
Bromoform	5		0.5	"	5.00		100	70-130		
Isopropylbenzene	5.15		0.5	"	5.00		103	86-114		
Bromobenzene	5.02		0.5	"	5.00		100	84-110		
1,1,2,2-Tetrachloroethane	5.5		0.5	"	5.00		110	81-113		
1,2,3-Trichloropropane	5.1		0.5	"	5.00		102	81-114		
Propylbenzene	5.12		0.5	"	5.00		102	87-115		
2-Chlorotoluene	5.13		0.5	"	5.00		103	84-111		
4-Chlorotoluene	5.13		0.5	"	5.00		103	82-112		
1,3,5-Trimethylbenzene	5.12		0.5	"	5.00		102	85-113		
tert-Butylbenzene	5.01		0.5	"	5.00		100	86-114		
1,2,4-Trimethylbenzene	5.12		0.5	"	5.00		102	84-114		
sec-Butylbenzene	5.06		0.5	"	5.00		101	87-119		
1,3-Dichlorobenzene	5.02		0.5	"	5.00		100	85-110		
p-Isopropyltoluene	5.07		0.5	"	5.00		101	86-117		
1,4-Dichlorobenzene	5.15		0.5	"	5.00		103	70-130		
1,2-Dichlorobenzene	5.09		0.5	"	5.00		102	70-130		
Butylbenzene	5.02		0.5	"	5.00		100	85-118		
1,2-Dibromo-3-chloropropane	21.9		2	"	20.0		110	54-133		
1,2,4-Trichlorobenzene	4.94		0.5	"	5.00		99	70-130		
Hexachlorobutadiene	4.92		0.5	"	5.00		98	66-113		
Naphthalene	4.78		0.5	"	5.00		96	58-126		
1,2,3-Trichlorobenzene	4.92		0.5	"	5.00		98	65-119		
Surrogate: 1,2-Dichloroethane-d4	*5.02*			*"*	*5.00*		100	*83-116*		
Surrogate: Toluene-d8	*4.93*			*"*	*5.00*		99	*81-112*		
Surrogate: 4-Bromofluorobenzene	*5.12*			*"*	*5.00*		102	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.15*			*"*	*5.00*		103	*74-113*		

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Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H050 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H050-BLK1)										
Dichlorodifluoromethane	ND	C3, J, U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	C4, J, U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	C3, J, U	4	"						
Dichloromethane	1		0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						

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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H050 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H050-BLK1)										
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*5.54*			*"*	*5.00*		111	*83-116*		
Surrogate: Toluene-d8	*4.87*			*"*	*5.00*		97	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.95*			*"*	*5.00*		99	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.84*			*"*	*5.00*		97	*74-113*		
LCS (B21H050-BS1)										
Dichlorodifluoromethane	5.75		0.5	ug/L	5.00		115	70-128		
Chloromethane	4.94		0.5	"	5.00		99	63-123		
Vinyl chloride	5.16		0.5	"	5.00		103	70-130		
Bromomethane	2.82		0.5	"	5.00		56	31-150		
Chloroethane	4.9		0.5	"	5.00		98	74-119		
Trichlorofluoromethane	5.27		0.5	"	5.00		105	72-123		
1,1-Dichloroethene	5.13		0.5	"	5.00		103	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.4		0.5	"	5.00		108	73-129		
Acetone	32.1		4	"	40.0		80	61-114		
Dichloromethane	4.8		0.5	"	5.00		96	70-130		
trans-1,2-Dichloroethene	4.78		0.5	"	5.00		96	70-130		
tert-Butyl methyl ether (MTBE)	17.5		2	"	20.0		87	62-117		
1,1-Dichloroethane	4.66		0.5	"	5.00		93	74-115		
2,2-Dichloropropane	4.76		0.5	"	5.00		95	64-144		

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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H050 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H050-BS1)										
cis-1,2-Dichloroethene	4.76		0.5	"	5.00		95	70-130		
2-Butanone (MEK)	42.5		4	"	40.0		106	57-121		
Bromochloromethane	4.78		0.5	"	5.00		96	71-122		
Chloroform	4.86		0.5	"	5.00		97	70-130		
1,1,1-Trichloroethane	5		0.5	"	5.00		100	70-130		
Carbon tetrachloride	5.21		0.5	"	5.00		104	70-130		
1,1-Dichloropropene	5.14		0.5	"	5.00		103	71-119		
Benzene	4.94		0.5	"	5.00		99	70-130		
1,2-Dichloroethane	4.73		0.5	"	5.00		95	70-130		
Trichloroethene	4.92		0.5	"	5.00		98	70-130		
1,2-Dichloropropane	5.05		0.5	"	5.00		101	70-130		
Dibromomethane	4.95		0.5	"	5.00		99	72-121		
Bromodichloromethane	4.72		0.5	"	5.00		94	70-130		
cis-1,3-Dichloropropene	4.75		0.5	"	5.00		95	68-120		
Toluene	5.04		0.5	"	5.00		101	70-130		
trans-1,3-Dichloropropene	4.7		0.5	"	5.00		94	64-126		
1,1,2-Trichloroethane	5.17		0.5	"	5.00		103	70-130		
Tetrachloroethene	5.33		0.5	"	5.00		107	70-130		
1,3-Dichloropropane	5.03		0.5	"	5.00		101	80-114		
Chlorodibromomethane	4.69		0.5	"	5.00		94	70-130		
1,2-Dibromoethane (EDB)	5.02		0.5	"	5.00		100	80-115		
Chlorobenzene	4.98		0.5	"	5.00		100	70-130		
1,1,1,2-Tetrachloroethane	4.75		0.5	"	5.00		95	82-116		
Ethylbenzene	5.05		0.5	"	5.00		101	70-130		
m&p-Xylene	9.99		1	"	10.0		100	70-130		
o-Xylene	4.92		0.5	"	5.00		98	70-130		
Styrene	4.96		0.5	"	5.00		99	70-130		
Bromoform	4.86		0.5	"	5.00		97	70-130		
Isopropylbenzene	5.03		0.5	"	5.00		101	86-114		
Bromobenzene	4.85		0.5	"	5.00		97	84-110		
1,1,2,2-Tetrachloroethane	5.15		0.5	"	5.00		103	81-113		
1,2,3-Trichloropropane	5.05		0.5	"	5.00		101	81-114		
Propylbenzene	5.15		0.5	"	5.00		103	87-115		
2-Chlorotoluene	4.96		0.5	"	5.00		99	84-111		
4-Chlorotoluene	5.05		0.5	"	5.00		101	82-112		
1,3,5-Trimethylbenzene	4.95		0.5	"	5.00		99	85-113		
tert-Butylbenzene	5.06		0.5	"	5.00		101	86-114		
1,2,4-Trimethylbenzene	4.87		0.5	"	5.00		97	84-114		
sec-Butylbenzene	5.14		0.5	"	5.00		103	87-119		
1,3-Dichlorobenzene	4.92		0.5	"	5.00		98	85-110		
p-Isopropyltoluene	5.08		0.5	"	5.00		102	86-117		
1,4-Dichlorobenzene	4.85		0.5	"	5.00		97	70-130		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H050 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/17/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H050-BS1)										
1,2-Dichlorobenzene	4.81		0.5	"	5.00		96	70-130		
Butylbenzene	5.14		0.5	"	5.00		103	85-118		
1,2-Dibromo-3-chloropropane	19.8		2	"	20.0		99	54-133		
1,2,4-Trichlorobenzene	4.62		0.5	"	5.00		92	70-130		
Hexachlorobutadiene	5.01		0.5	"	5.00		100	66-113		
Naphthalene	4.72		0.5	"	5.00		94	58-126		
1,2,3-Trichlorobenzene	4.67		0.5	"	5.00		93	65-119		
Surrogate: 1,2-Dichloroethane-d4	*5.08*			*"*	*5.00*		102	*83-116*		
Surrogate: Toluene-d8	*5.12*			*"*	*5.00*		102	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.89*			*"*	*5.00*		98	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.95*			*"*	*5.00*		99	*74-113*		
Batch B21H051 - 3520C CLLE - SVOCs										**Prepared: 08/17/21 Analyzed: 08/20/21**
										Semivolatile Organic Compounds by EPA Method 8270D - Quality Control
Blank (B21H051-BLK1)										
1,4-Dioxane	ND	U	1	ug/L						
Phenol	ND	U	5	"						
Bis(2-chloroethyl)ether	ND	U	1	"						
2-Chlorophenol	ND	U	5	"						
1,3-Dichlorobenzene	ND	U	1	"						
1,4-Dichlorobenzene	ND	U	1	"						
Benzyl alcohol	ND	U	5	"						
1,2-Dichlorobenzene	ND	U	1	"						
2-Methylphenol	ND	U	5	"						
Bis(2-chloro-1-methylethyl) ether	ND	U	1	"						
3&4-Methylphenol	ND	U	5	"						
N-Nitrosodipropylamine	ND	U	1	"						
Hexachloroethane	ND	U	1	"						
Nitrobenzene	ND	U	1	"						
Isophorone	ND	U	1	"						
2-Nitrophenol	ND	U	5	"						
2,4-Dimethylphenol	ND	U	5	"						
Bis(2-chloroethoxy)methane	ND	U	1	"						
2,4-Dichlorophenol	ND	U	5	"						
1,2,4-Trichlorobenzene	ND	U	1	"						
Naphthalene	ND	U	1	"						
4-Chloroaniline	ND	U	5	"						
Hexachlorobutadiene	ND	U	1	"						
4-Chloro-3-methylphenol	ND	U	5	"						
2-Methylnaphthalene	ND	U	1	"						
Hexachlorocyclopentadiene	ND	U	5	"						

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Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H051 - 3520C CLLE - SVOCs									**Prepared: 08/17/21 Analyzed: 08/20/21**	
									Semivolatile Organic Compounds by EPA Method 8270D - Quality Control	
Blank (B21H051-BLK1)										
2,4,6-Trichlorophenol	ND	U	5	"						
2,4,5-Trichlorophenol	ND	U	5	"						
2-Chloronaphthalene	ND	U	1	"						
2-Nitroaniline	ND	U	5	"						
Dimethyl phthalate	ND	U	1	"						
2,6-Dinitrotoluene	ND	U	1	"						
Acenaphthylene	ND	U	1	"						
3-Nitroaniline	ND	U	5	"						
Acenaphthene	ND	U	1	"						
2,4-Dinitrophenol	ND	U	20	"						
4-Nitrophenol	ND	U	5	"						
Dibenzofuran	ND	U	1	"						
2,4-Dinitrotoluene	ND	U	1	"						
Diethyl phthalate	ND	U	1	"						
Fluorene	ND	U	1	"						
4-Chlorophenyl phenyl ether	ND	U	1	"						
4-Nitroaniline	ND	U	5	"						
4,6-Dinitro-2-methylphenol	ND	U	5	"						
Diphenyl amine	ND	U	1	"						
4-Bromophenyl phenyl ether	ND	U	1	"						
Hexachlorobenzene	ND	U	1	"						
Pentachlorophenol	ND	U	20	"						
Phenanthrene	ND	U	1	"						
Anthracene	ND	U	1	"						
Carbazole	ND	U	1	"						
Di-n-butyl phthalate	ND	U	1	"						
Fluoranthene	ND	U	1	"						
Pyrene	ND	U	1	"						
Butyl benzyl phthalate	ND	U	1	"						
Benzo(a)anthracene	ND	U	1	"						
3,3'-Dichlorobenzidine	ND	U	5	"						
Chrysene	ND	U	1	"						
Bis(2-ethylhexyl) phthalate	ND	U	1	"						
Di-n-octyl phthalate	ND	U	1	"						
Benzo(b)fluoranthene	ND	U	1	"						
Benzo(k)fluoranthene	ND	U	1	"						
Benzo(a)pyrene	ND	U	1	"						
Indeno(1,2,3-cd)pyrene	ND	U	1	"						
Dibenz(a,h)anthracene	ND	U	1	"						
Benzo(g,h,i)perylene	ND	U	1	"						

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H051 - 3520C CLLE - SVOCs									**Prepared: 08/17/21 Analyzed: 08/20/21**	
									Semivolatile Organic Compounds by EPA Method 8270D - Quality Control	
Blank (B21H051-BLK1)										
Surrogate: 1,4-Dioxane-d8	*3.50*			*"*	*5.00*		70	*34-110*		
Surrogate: 2-Fluorophenol	*36.9*			*"*	*50.0*		74	*54-110*		
Surrogate: Phenol-d5	*36.3*			*"*	*50.0*		73	*29-127*		
Surrogate: 2-Chlorophenol-d4	*38.5*			*"*	*50.0*		77	*39-121*		
Surrogate: 1,2-Dichlorobenzene-d4	*37.3*			*"*	*50.0*		75	*31-110*		
Surrogate: Nitrobenzene-d5	*39.0*			*"*	*50.0*		78	*35-111*		
Surrogate: 2-Fluorobiphenyl	*36.7*			*"*	*50.0*		73	*32-115*		
Surrogate: 2,4,6-Tribromophenol	*42.0*			*"*	*50.0*		84	*37-150*		
Surrogate: Terphenyl-d14	*53.4*			*"*	*50.0*		107	*20-179*		
LCS (B21H051-BS1)										
1,4-Dioxane	10.6		1	ug/L	10.0		106	82-118		
Phenol	33.9		5	"	50.0		68	48-110		
Bis(2-chloroethyl)ether	7.58		1	"	10.0		76	50-114		
2-Chlorophenol	35.5		5	"	50.0		71	52-110		
1,3-Dichlorobenzene	6.76		1	"	10.0		68	32-110		
1,4-Dichlorobenzene	6.98		1	"	10.0		70	32-110		
Benzyl alcohol	39.8		5	"	50.0		80	52-110		
1,2-Dichlorobenzene	7.17		1	"	10.0		72	34-110		
2-Methylphenol	35.8		5	"	50.0		72	56-110		
Bis(2-chloro-1-methylethyl) ether	7.73		1	"	10.0		77	36-132		
3&4-Methylphenol	41.4		5	"	50.0		83	59-117		
N-Nitrosodipropylamine	8.18		1	"	10.0		82	54-110		
Hexachloroethane	5.36		1	"	10.0		54	27-110		
Nitrobenzene	8.05		1	"	10.0		80	55-114		
Isophorone	7.49		1	"	10.0		75	56-110		
2-Nitrophenol	37.6		5	"	50.0		75	55-111		
2,4-Dimethylphenol	41.7		5	"	50.0		83	36-125		
Bis(2-chloroethoxy)methane	7.26		1	"	10.0		73	47-114		
2,4-Dichlorophenol	41.5		5	"	50.0		83	56-116		
1,2,4-Trichlorobenzene	7.58		1	"	10.0		76	32-110		
Naphthalene	8.22		1	"	10.0		82	44-110		
4-Chloroaniline	37		5	"	50.0		74	20-142		
Hexachlorobutadiene	4.95		1	"	10.0		50	26-110		
4-Chloro-3-methylphenol	42.5		5	"	50.0		85	52-121		
2-Methylnaphthalene	8.48		1	"	10.0		85	43-110		
Hexachlorocyclopentadiene	26.8		5	"	50.0		54	20-110		
2,4,6-Trichlorophenol	39.2		5	"	50.0		78	57-117		
2,4,5-Trichlorophenol	40.6		5	"	50.0		81	51-127		
2-Chloronaphthalene	8.09		1	"	10.0		81	47-110		
2-Nitroaniline	42.5		5	"	50.0		85	57-121		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Batch B21H051 - 3520C CLLE - SVOCs — **Prepared: 08/17/21 Analyzed: 08/20/21**

Semivolatile Organic Compounds by EPA Method 8270D - Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
LCS (B21H051-BS1)										
Dimethyl phthalate	8.95		1	"	10.0		90	64-122		
2,6-Dinitrotoluene	9.12		1	"	10.0		91	61-116		
Acenaphthylene	7.67		1	"	10.0		77	53-110		
3-Nitroaniline	43		5	"	50.0		86	20-164		
Acenaphthene	11.4		1	"	10.0		114	79-146		
2,4-Dinitrophenol	56.1		20	"	50.0		112	40-141		
4-Nitrophenol	52.3		5	"	50.0		105	62-140		
Dibenzofuran	8.92		1	"	10.0		89	57-112		
2,4-Dinitrotoluene	9.9		1	"	10.0		99	60-120		
Diethyl phthalate	9.17		1	"	10.0		92	61-127		
Fluorene	9.04		1	"	10.0		90	58-117		
4-Chlorophenyl phenyl ether	9.19		1	"	10.0		92	53-112		
4-Nitroaniline	42.5		5	"	50.0		85	30-120		
4,6-Dinitro-2-methylphenol	50.5		5	"	50.0		101	60-149		
Diphenyl amine	6.62		1	"	10.0		66	21-115		
4-Bromophenyl phenyl ether	8.75		1	"	10.0		88	56-110		
Hexachlorobenzene	8.54		1	"	10.0		85	55-110		
Pentachlorophenol	47.9		20	"	50.0		96	56-116		
Phenanthrene	8.89		1	"	10.0		89	53-123		
Anthracene	8.85		1	"	10.0		89	54-122		
Carbazole	7.13		1	"	10.0		71	23-126		
Di-n-butyl phthalate	9.98		1	"	10.0		100	66-126		
Fluoranthene	9.9		1	"	10.0		99	59-124		
Pyrene	8.88		1	"	10.0		89	54-133		
Butyl benzyl phthalate	8.82		1	"	10.0		88	56-135		
Benzo(a)anthracene	8.6		1	"	10.0		86	55-129		
3,3'-Dichlorobenzidine	18.5		5	"	50.0		37	20-128		
Chrysene	9.01		1	"	10.0		90	58-129		
Bis(2-ethylhexyl) phthalate	10.5		1	"	10.0		105	53-152		
Di-n-octyl phthalate	9.56		1	"	10.0		96	33-160		
Benzo(b)fluoranthene	9.6		1	"	10.0		96	36-151		
Benzo(k)fluoranthene	10.1		1	"	10.0		101	36-155		
Benzo(a)pyrene	8.52		1	"	10.0		85	36-132		
Indeno(1,2,3-cd)pyrene	9.25		1	"	10.0		92	35-151		
Dibenz(a,h)anthracene	9.63		1	"	10.0		96	29-165		
Benzo(g,h,i)perylene	9.38		1	"	10.0		94	42-147		
Surrogate: 1,4-Dioxane-d8	*2.97*			*"*	*5.00*		59	*34-110*		
Surrogate: 2-Fluorophenol	*33.9*			*"*	*50.0*		68	*54-110*		
Surrogate: Phenol-d5	*33.3*			*"*	*50.0*		67	*29-127*		
Surrogate: 2-Chlorophenol-d4	*35.6*			*"*	*50.0*		71	*39-121*		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H051 - 3520C CLLE - SVOCs									**Prepared: 08/17/21 Analyzed: 08/20/21**	
									Semivolatile Organic Compounds by EPA Method 8270D - Quality Control	
LCS (B21H051-BS1)										
Surrogate: 1,2-Dichlorobenzene-d4	*34.1*			*"*	*50.0*		68	*31-110*		
Surrogate: Nitrobenzene-d5	*37.2*			*"*	*50.0*		74	*35-111*		
Surrogate: 2-Fluorobiphenyl	*33.9*			*"*	*50.0*		68	*32-115*		
Surrogate: 2,4,6-Tribromophenol	*47.5*			*"*	*50.0*		95	*37-150*		
Surrogate: Terphenyl-d14	*52.5*			*"*	*50.0*		105	*20-179*		
Batch B21H052 - 200 Series Digest - Metals by 200.7, Dissolved									**Prepared: 08/17/21 Analyzed: 09/03/21**	
									Dissolved Metals by EPA 200 Series Methods - Quality Control	
Blank (B21H052-BLK1)										
Arsenic	ND	U	20	ug/L						
Cobalt	ND	U	5	"						
Iron	ND	U	100	"						
Manganese	ND	U	5	"						
Nickel	ND	U	10	"						
Selenium	ND	U	20	"						
Blank (B21H052-BLK2)										
Arsenic	ND	U	20	ug/L						
Cobalt	ND	U	5	"						
Iron	ND	U	100	"						
Manganese	ND	U	5	"						
Nickel	ND	U	10	"						
Selenium	ND	U	20	"						
LCS (B21H052-BS1)										
Arsenic	704		20	ug/L	800		88	85-115		
Iron	2,700		100	"	3000		90	85-115		
Manganese	178		5	"	200		89	85-115		
Nickel	432		10	"	500		86	85-115		
Duplicate (B21H052-DUP2)		**Source: 2108019-05**								
Iron	10,500		100	ug/L		10,900			4	20
Manganese	2,060		5	"		2,120			3	20
Matrix Spike (B21H052-MS2)		**Source: 2108019-05**								
Iron	13,100		100	ug/L	3000	10,900	74	70-130		
Manganese	2,260	Q10	5	"	200	2,120	**69**	70-130		
Matrix Spike Dup (B21H052-MSD2)		**Source: 2108019-05**								
Iron	13,100		100	ug/L	3000	10,900	74	70-130	0.02	20
Manganese	2,260	Q10	5	"	200	2,120	**67**	70-130	0.2	20
Batch B21H053 - 200 Series Digest - Metals, ICP/MS, Dissolved									**Prepared: 08/17/21 Analyzed: 08/24/21**	
									Dissolved Metals by EPA 200 Series Methods - Quality Control	
Blank (B21H053-BLK1)										
Arsenic	0.93		0.5	ug/L						
Cobalt	ND	U	0.25	"						

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Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H053 - 200 Series Digest - Metals, ICP/MS, Dissolved									**Prepared: 08/17/21 Analyzed: 08/24/21**	
									Dissolved Metals by EPA 200 Series Methods - Quality Control	
Blank (B21H053-BLK1)										
Manganese	ND	U	2	"						
Nickel	ND	U	1	"						
Selenium	0.73	J	1	"						
Blank (B21H053-BLK2)										
Arsenic	0.86		0.5	ug/L						
Cobalt	ND	U	0.25	"						
Manganese	ND	U	2	"						
Nickel	ND	U	1	"						
Selenium	0.68	J	1	"						
LCS (B21H053-BS1)										
Arsenic	43		0.5	ug/L	40.0		107	85-115		
Cobalt	38.3		0.25	"	40.0		96	85-115		
Nickel	39.5		1	"	40.0		99	85-115		
LCS (B21H053-BS2)										
Selenium	42.1		1	ug/L	40.0		105	85-115		
Matrix Spike (B21H053-MS2)		**Source: 2108019-05**								
Arsenic	97.8		0.5	ug/L	40.0	55.4	106	70-130		
Cobalt	38.2		0.25	"	40.0	0.769	94	70-130		
Nickel	42.7		1	"	40.0	7.45	88	70-130		
Matrix Spike Dup (B21H053-MSD2)		**Source: 2108019-05**								
Arsenic	97.8		0.5	ug/L	40.0	55.4	106	70-130	0.05	20
Cobalt	37.3		0.25	"	40.0	0.769	91	70-130	2	20
Nickel	43		1	"	40.0	7.45	89	70-130	0.6	20
Batch B21H056 - 5030 P&T VOA - VOCs									**Prepared & Analyzed: 08/18/21**	
									Volatile Organic Compounds by EPA Method 524.2 - Quality Control	
Blank (B21H056-BLK2)										
Dichlorodifluoromethane	ND	U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	C4, J, Q3, U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	U	4	"						
Dichloromethane	ND	U	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						

United States Environmental Protection Agency
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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**		**WorkOrder:**	2108019
Project Number:	R21S29	**75 Hawthorne Street**		**Reported:**	09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**			

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H056 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/18/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H056-BLK2)										
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H056 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/18/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H056-BLK2)										
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*4.78*			*"*	*5.00*		96	*83-116*		
Surrogate: Toluene-d8	*4.93*			*"*	*5.00*		99	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.82*			*"*	*5.00*		96	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.84*			*"*	*5.00*		97	*74-113*		
LCS (B21H056-BS1)										
Dichlorodifluoromethane	4.84		0.5	ug/L	5.00		97	70-128		
Chloromethane	3.79		0.5	"	5.00		76	63-123		
Vinyl chloride	4.31		0.5	"	5.00		86	70-130		
Bromomethane	2.75		0.5	"	5.00		55	31-150		
Chloroethane	4.53		0.5	"	5.00		91	74-119		
Trichlorofluoromethane	4.83		0.5	"	5.00		97	72-123		
1,1-Dichloroethene	4.73		0.5	"	5.00		95	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	4.75		0.5	"	5.00		95	73-129		
Acetone	34		4	"	40.0		85	61-114		
Dichloromethane	4.66		0.5	"	5.00		93	70-130		
trans-1,2-Dichloroethene	4.69		0.5	"	5.00		94	70-130		
tert-Butyl methyl ether (MTBE)	18.3		2	"	20.0		91	62-117		
1,1-Dichloroethane	4.61		0.5	"	5.00		92	74-115		
2,2-Dichloropropane	5.17		0.5	"	5.00		103	64-144		
cis-1,2-Dichloroethene	4.72		0.5	"	5.00		94	70-130		
2-Butanone (MEK)	36.2		4	"	40.0		90	57-121		
Bromochloromethane	4.77		0.5	"	5.00		95	71-122		
Chloroform	4.85		0.5	"	5.00		97	70-130		
1,1,1-Trichloroethane	4.97		0.5	"	5.00		99	70-130		
Carbon tetrachloride	4.99		0.5	"	5.00		100	70-130		
1,1-Dichloropropene	4.75		0.5	"	5.00		95	71-119		
Benzene	4.74		0.5	"	5.00		95	70-130		
1,2-Dichloroethane	4.8		0.5	"	5.00		96	70-130		
Trichloroethene	4.76		0.5	"	5.00		95	70-130		
1,2-Dichloropropane	4.7		0.5	"	5.00		94	70-130		
Dibromomethane	4.76		0.5	"	5.00		95	72-121		
Bromodichloromethane	4.79		0.5	"	5.00		96	70-130		
cis-1,3-Dichloropropene	4.86		0.5	"	5.00		97	68-120		
Toluene	4.77		0.5	"	5.00		95	70-130		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H056 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/18/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H056-BS1)										
trans-1,3-Dichloropropene	4.91		0.5	"	5.00		98	64-126		
1,1,2-Trichloroethane	4.93		0.5	"	5.00		99	70-130		
Tetrachloroethene	5		0.5	"	5.00		100	70-130		
1,3-Dichloropropane	4.82		0.5	"	5.00		96	80-114		
Chlorodibromomethane	4.88		0.5	"	5.00		98	70-130		
1,2-Dibromoethane (EDB)	4.92		0.5	"	5.00		98	80-115		
Chlorobenzene	4.92		0.5	"	5.00		98	70-130		
1,1,1,2-Tetrachloroethane	4.99		0.5	"	5.00		100	82-116		
Ethylbenzene	5.06		0.5	"	5.00		101	70-130		
m&p-Xylene	9.91		1	"	10.0		99	70-130		
o-Xylene	5.05		0.5	"	5.00		101	70-130		
Styrene	4.93		0.5	"	5.00		99	70-130		
Bromoform	4.91		0.5	"	5.00		98	70-130		
Isopropylbenzene	5.07		0.5	"	5.00		101	86-114		
Bromobenzene	4.93		0.5	"	5.00		99	84-110		
1,1,2,2-Tetrachloroethane	5.38		0.5	"	5.00		108	81-113		
1,2,3-Trichloropropane	4.97		0.5	"	5.00		99	81-114		
Propylbenzene	5.1		0.5	"	5.00		102	87-115		
2-Chlorotoluene	5.07		0.5	"	5.00		101	84-111		
4-Chlorotoluene	5.03		0.5	"	5.00		101	82-112		
1,3,5-Trimethylbenzene	5.05		0.5	"	5.00		101	85-113		
tert-Butylbenzene	4.96		0.5	"	5.00		99	86-114		
1,2,4-Trimethylbenzene	5.05		0.5	"	5.00		101	84-114		
sec-Butylbenzene	5.01		0.5	"	5.00		100	87-119		
1,3-Dichlorobenzene	4.93		0.5	"	5.00		99	85-110		
p-Isopropyltoluene	4.97		0.5	"	5.00		99	86-117		
1,4-Dichlorobenzene	4.97		0.5	"	5.00		99	70-130		
1,2-Dichlorobenzene	4.99		0.5	"	5.00		100	70-130		
Butylbenzene	5		0.5	"	5.00		100	85-118		
1,2-Dibromo-3-chloropropane	21.3		2	"	20.0		106	54-133		
1,2,4-Trichlorobenzene	4.86		0.5	"	5.00		97	70-130		
Hexachlorobutadiene	5		0.5	"	5.00		100	66-113		
Naphthalene	4.66		0.5	"	5.00		93	58-126		
1,2,3-Trichlorobenzene	4.81		0.5	"	5.00		96	65-119		
Surrogate: 1,2-Dichloroethane-d4	*4.87*			*"*	*5.00*		97	*83-116*		
Surrogate: Toluene-d8	*4.94*			*"*	*5.00*		99	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.95*			*"*	*5.00*		99	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.02*			*"*	*5.00*		100	*74-113*		
Batch B21H057 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/18/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H057 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/18/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H057-BLK1)										
Dichlorodifluoromethane	ND	C3, J, U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	C3, J, U	4	"						
Dichloromethane	0.3	C1, J	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						

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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H057 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/18/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H057-BLK1)										
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*5.67*			*"*	*5.00*		113	*83-116*		
Surrogate: Toluene-d8	*4.95*			*"*	*5.00*		99	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.83*			*"*	*5.00*		97	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.94*			*"*	*5.00*		99	*74-113*		
LCS (B21H057-BS1)										
Dichlorodifluoromethane	5.83		0.5	ug/L	5.00		117	70-128		
Chloromethane	5.18		0.5	"	5.00		104	63-123		
Vinyl chloride	5.46		0.5	"	5.00		109	70-130		
Bromomethane	3.62		0.5	"	5.00		72	31-150		
Chloroethane	5.07		0.5	"	5.00		101	74-119		
Trichlorofluoromethane	5.52		0.5	"	5.00		110	72-123		
1,1-Dichloroethene	5.27		0.5	"	5.00		105	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.63		0.5	"	5.00		113	73-129		
Acetone	34.2		4	"	40.0		85	61-114		
Dichloromethane	4.84		0.5	"	5.00		97	70-130		
trans-1,2-Dichloroethene	5.05		0.5	"	5.00		101	70-130		
tert-Butyl methyl ether (MTBE)	17.8		2	"	20.0		89	62-117		
1,1-Dichloroethane	4.92		0.5	"	5.00		98	74-115		
2,2-Dichloropropane	4.82		0.5	"	5.00		96	64-144		

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H057 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/18/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H057-BS1)										
cis-1,2-Dichloroethene	4.92		0.5	"	5.00		98	70-130		
2-Butanone (MEK)	44.1		4	"	40.0		110	57-121		
Bromochloromethane	4.9		0.5	"	5.00		98	71-122		
Chloroform	5.13		0.5	"	5.00		103	70-130		
1,1,1-Trichloroethane	5.17		0.5	"	5.00		103	70-130		
Carbon tetrachloride	5.37		0.5	"	5.00		107	70-130		
1,1-Dichloropropene	5.25		0.5	"	5.00		105	71-119		
Benzene	5.08		0.5	"	5.00		102	70-130		
1,2-Dichloroethane	4.86		0.5	"	5.00		97	70-130		
Trichloroethene	5.11		0.5	"	5.00		102	70-130		
1,2-Dichloropropane	5.14		0.5	"	5.00		103	70-130		
Dibromomethane	5.1		0.5	"	5.00		102	72-121		
Bromodichloromethane	4.79		0.5	"	5.00		96	70-130		
cis-1,3-Dichloropropene	4.76		0.5	"	5.00		95	68-120		
Toluene	5.16		0.5	"	5.00		103	70-130		
trans-1,3-Dichloropropene	4.65		0.5	"	5.00		93	64-126		
1,1,2-Trichloroethane	5.16		0.5	"	5.00		103	70-130		
Tetrachloroethene	5.53		0.5	"	5.00		111	70-130		
1,3-Dichloropropane	5.14		0.5	"	5.00		103	80-114		
Chlorodibromomethane	4.84		0.5	"	5.00		97	70-130		
1,2-Dibromoethane (EDB)	5.11		0.5	"	5.00		102	80-115		
Chlorobenzene	5.04		0.5	"	5.00		101	70-130		
1,1,1,2-Tetrachloroethane	4.94		0.5	"	5.00		99	82-116		
Ethylbenzene	5.18		0.5	"	5.00		104	70-130		
m&p-Xylene	10.3		1	"	10.0		103	70-130		
o-Xylene	5.04		0.5	"	5.00		101	70-130		
Styrene	5.1		0.5	"	5.00		102	70-130		
Bromoform	4.7		0.5	"	5.00		94	70-130		
Isopropylbenzene	5.2		0.5	"	5.00		104	86-114		
Bromobenzene	4.93		0.5	"	5.00		99	84-110		
1,1,2,2-Tetrachloroethane	5.3		0.5	"	5.00		106	81-113		
1,2,3-Trichloropropane	5.31		0.5	"	5.00		106	81-114		
Propylbenzene	5.33		0.5	"	5.00		107	87-115		
2-Chlorotoluene	5.15		0.5	"	5.00		103	84-111		
4-Chlorotoluene	5.2		0.5	"	5.00		104	82-112		
1,3,5-Trimethylbenzene	5.14		0.5	"	5.00		103	85-113		
tert-Butylbenzene	5.19		0.5	"	5.00		104	86-114		
1,2,4-Trimethylbenzene	5.08		0.5	"	5.00		102	84-114		
sec-Butylbenzene	5.35		0.5	"	5.00		107	87-119		
1,3-Dichlorobenzene	5.06		0.5	"	5.00		101	85-110		
p-Isopropyltoluene	5.29		0.5	"	5.00		106	86-117		
1,4-Dichlorobenzene	5.02		0.5	"	5.00		100	70-130		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H057 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/18/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H057-BS1)										
1,2-Dichlorobenzene	4.98		0.5	"	5.00		100	70-130		
Butylbenzene	5.37		0.5	"	5.00		107	85-118		
1,2-Dibromo-3-chloropropane	19.1		2	"	20.0		96	54-133		
1,2,4-Trichlorobenzene	4.64		0.5	"	5.00		93	70-130		
Hexachlorobutadiene	5.21		0.5	"	5.00		104	66-113		
Naphthalene	4.71		0.5	"	5.00		94	58-126		
1,2,3-Trichlorobenzene	4.89		0.5	"	5.00		98	65-119		
Surrogate: 1,2-Dichloroethane-d4	*5.16*			*"*	*5.00*		103	*83-116*		
Surrogate: Toluene-d8	*5.10*			*"*	*5.00*		102	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.89*			*"*	*5.00*		98	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.98*			*"*	*5.00*		100	*74-113*		
Batch B21H059 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/19/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H059-BLK1)										
Dichlorodifluoromethane	ND	U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	C4, J, U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	U	4	"						
Dichloromethane	ND	U	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						

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Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H059 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/19/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H059-BLK1)										
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*5.02*			*"*	*5.00*		100	*83-116*		
Surrogate: Toluene-d8	*4.83*			*"*	*5.00*		97	*81-112*		
Surrogate: 4-Bromofluorobenzene	*4.89*			*"*	*5.00*		98	*80-110*		

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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H059 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/19/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B21H059-BLK1)										
Surrogate: 1,2-Dichlorobenzene-d4	*4.95*			*"*	*5.00*		99	*74-113*		
LCS (B21H059-BS1)										
Dichlorodifluoromethane	5.16		0.5	ug/L	5.00		103	70-128		
Chloromethane	4.1		0.5	"	5.00		82	63-123		
Vinyl chloride	4.8		0.5	"	5.00		96	70-130		
Bromomethane	3.14		0.5	"	5.00		63	31-150		
Chloroethane	4.87		0.5	"	5.00		97	74-119		
Trichlorofluoromethane	5.27		0.5	"	5.00		105	72-123		
1,1-Dichloroethene	5.19		0.5	"	5.00		104	70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.13		0.5	"	5.00		103	73-129		
Acetone	36.8		4	"	40.0		92	61-114		
Dichloromethane	5.02		0.5	"	5.00		100	70-130		
trans-1,2-Dichloroethene	5.16		0.5	"	5.00		103	70-130		
tert-Butyl methyl ether (MTBE)	19.4		2	"	20.0		97	62-117		
1,1-Dichloroethane	5.04		0.5	"	5.00		101	74-115		
2,2-Dichloropropane	5.37		0.5	"	5.00		107	64-144		
cis-1,2-Dichloroethene	4.98		0.5	"	5.00		100	70-130		
2-Butanone (MEK)	36.2		4	"	40.0		91	57-121		
Bromochloromethane	4.95		0.5	"	5.00		99	71-122		
Chloroform	5.09		0.5	"	5.00		102	70-130		
1,1,1-Trichloroethane	5.12		0.5	"	5.00		102	70-130		
Carbon tetrachloride	5.2		0.5	"	5.00		104	70-130		
1,1-Dichloropropene	4.87		0.5	"	5.00		97	71-119		
Benzene	4.94		0.5	"	5.00		99	70-130		
1,2-Dichloroethane	4.99		0.5	"	5.00		100	70-130		
Trichloroethene	4.98		0.5	"	5.00		100	70-130		
1,2-Dichloropropane	4.88		0.5	"	5.00		98	70-130		
Dibromomethane	4.95		0.5	"	5.00		99	72-121		
Bromodichloromethane	4.95		0.5	"	5.00		99	70-130		
cis-1,3-Dichloropropene	4.96		0.5	"	5.00		99	68-120		
Toluene	4.78		0.5	"	5.00		96	70-130		
trans-1,3-Dichloropropene	4.89		0.5	"	5.00		98	64-126		
1,1,2-Trichloroethane	4.87		0.5	"	5.00		97	70-130		
Tetrachloroethene	5.04		0.5	"	5.00		101	70-130		
1,3-Dichloropropane	4.84		0.5	"	5.00		97	80-114		
Chlorodibromomethane	4.8		0.5	"	5.00		96	70-130		
1,2-Dibromoethane (EDB)	4.9		0.5	"	5.00		98	80-115		
Chlorobenzene	4.96		0.5	"	5.00		99	70-130		
1,1,1,2-Tetrachloroethane	4.94		0.5	"	5.00		99	82-116		
Ethylbenzene	5.07		0.5	"	5.00		101	70-130		
m&p-Xylene	10		1	"	10.0		100	70-130		

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Project Manager: Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number: R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project: AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21H059 - 5030 P&T VOA - VOCs										**Prepared & Analyzed: 08/19/21**
										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B21H059-BS1)										
o-Xylene	5.09		0.5	"	5.00		102	70-130		
Styrene	4.97		0.5	"	5.00		99	70-130		
Bromoform	4.75		0.5	"	5.00		95	70-130		
Isopropylbenzene	5.14		0.5	"	5.00		103	86-114		
Bromobenzene	5.02		0.5	"	5.00		100	84-110		
1,1,2,2-Tetrachloroethane	5.37		0.5	"	5.00		107	81-113		
1,2,3-Trichloropropane	4.92		0.5	"	5.00		98	81-114		
Propylbenzene	5.14		0.5	"	5.00		103	87-115		
2-Chlorotoluene	5.16		0.5	"	5.00		103	84-111		
4-Chlorotoluene	5.09		0.5	"	5.00		102	82-112		
1,3,5-Trimethylbenzene	5.08		0.5	"	5.00		102	85-113		
tert-Butylbenzene	5		0.5	"	5.00		100	86-114		
1,2,4-Trimethylbenzene	5.07		0.5	"	5.00		101	84-114		
sec-Butylbenzene	5.05		0.5	"	5.00		101	87-119		
1,3-Dichlorobenzene	5.04		0.5	"	5.00		101	85-110		
p-Isopropyltoluene	4.99		0.5	"	5.00		100	86-117		
1,4-Dichlorobenzene	5.06		0.5	"	5.00		101	70-130		
1,2-Dichlorobenzene	5		0.5	"	5.00		100	70-130		
Butylbenzene	5.02		0.5	"	5.00		100	85-118		
1,2-Dibromo-3-chloropropane	20.7		2	"	20.0		104	54-133		
1,2,4-Trichlorobenzene	4.87		0.5	"	5.00		97	70-130		
Hexachlorobutadiene	5.04		0.5	"	5.00		101	66-113		
Naphthalene	4.54		0.5	"	5.00		91	58-126		
1,2,3-Trichlorobenzene	4.79		0.5	"	5.00		96	65-119		
Surrogate: 1,2-Dichloroethane-d4	*4.96*			*"*	*5.00*		99	*83-116*		
Surrogate: Toluene-d8	*4.83*			*"*	*5.00*		97	*81-112*		
Surrogate: 4-Bromofluorobenzene	*5.07*			*"*	*5.00*		101	*80-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.07*			*"*	*5.00*		101	*74-113*		
Batch B21I006 - 200 Series Digest - Metals, ICP/MS, Dissolved										**Prepared: 09/07/21 Analyzed: 09/08/21**
										Dissolved Metals by EPA 200 Series Methods - Quality Control
Blank (B21I006-BLK1)										
Arsenic	ND	U	0.5	ug/L						
Cobalt	ND	U	0.25	"						
Manganese	ND	U	2	"						
Nickel	ND	U	1	"						
Selenium	ND	U	1	"						
LCS (B21I006-BS1)										
Arsenic	39.7		0.5	ug/L	40.0		99	85-115		
Selenium	39.4		1	"	40.0		98	85-115		
Matrix Spike (B21I006-MS1)		**Source: 2108019-05RE1**								

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**	**WorkOrder:** 2108019
Project Number:	R21S29	**75 Hawthorne Street**	**Reported:** 09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B21I006 - 200 Series Digest - Metals, ICP/MS, Dissolved									**Prepared: 09/07/21 Analyzed: 09/08/21**	
								Dissolved Metals by EPA 200 Series Methods - Quality Control		
Matrix Spike (B21I006-MS1)		**Source: 2108019-05RE1**								
Selenium	36.2		1	ug/L	40.0	2.55	84	70-130		
Matrix Spike Dup (B21I006-MSD1)		**Source: 2108019-05RE1**								
Selenium	35.1		1	ug/L	40.0	2.55	82	70-130	3	20

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Project Manager:	Fatima Ty	**California Site Cleanup Section 2**		**WorkOrder:**	2108019
Project Number:	R21S29	**75 Hawthorne Street**		**Reported:**	09/17/21 12:18
Project:	AMCO August 2021 Groundwater Monitoring	**San Francisco CA, 94105**			

Qualifiers and Comments

Q6	Matrix spike/matrix spike duplicate precision criteria were not met for this analyte (see MS/MSD results for this batch in QC summary).
Q4	The matrix spike and/or matrix spike duplicate associated with this sample did not meet recovery criteria for this analyte (see MS/MSD results for this batch in QC summary)
Q3	The quantitation limit standard did not meet recovery criteria for this analyte.
Q2	The laboratory control standard associated with this sample did not meet recovery criteria for this analyte (see LCS results for this batch in QC summary).
Q10	The analyte concentration in the unfortified sample is significantly greater than the concentration spiked into the matrix spike and matrix spike duplicate. The reported spike recovery is not a meaningful measure of the dataset's analytical accuracy.
J	The reported result for this analyte should be considered an estimated value.
C4	The calibration verification check did not meet % difference criteria for this analyte.
C3	The initial calibration for this analyte did not meet calibration criteria.
C1	The reported concentration for this analyte is below the quantitation limit.
B1	The concentration of this analyte found in this sample was less than five times the concentration found in the associated method blank.
U	Not Detected
NR	Not Reported
RE1, RE2, etc:	Result is from a sample re-analysis.

APPENDIX C

Data Validation Reports

Data Validation Report
August 2021 Groundwater Monitoring
SDG 2108010

AMCO Superfund Site Feasibility Study
Oakland, California

Contract No. EP-S9-13-01
Task Order No. 012

PREPARED FOR:

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION 9
75 HAWTHORNE STREET
SAN FRANCISCO, CALIFORNIA 94105

PREPARED BY:

317 E. MAIN STREET
VENTURA, CALIFORNIA 93001
OTIE PROJECT NUMBER: 2013191

October 13, 2021

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 9

Report Title:	**Data Validation Report**
Site Name	AMCO Superfund Site
Location:	Oakland, California
EPA Contract No.:	EP-S9-13-01
Task Order No.:	012
OTIE Project #:	2017097
Report prepared by:	Oneida Total Integrated Enterprises (OTIE)
Address:	317 E Main Street
City/State/Zip:	Ventura, California 93001
Telephone:	(818) 840-6925
EPA Project Manager:	Fatima Ty
Address:	Environmental Protection Agency, Region 9
City/State/Zip:	75 Hawthorne Street
Telephone:	San Francisco, California 94105
	(415) 972-3550

10/13/21

Eric Foote PMP, Project Manager
Oneida Total Integrated Enterprises

Date

10/13/21

Kristen Carlyon Peyton, Senior Chemist
Oneida Total Integrated Enterprises

Date

TABLE OF CONTENTS

1.0 INTRODUCTION 1

2.0 DATA VALIDATION REPORT 2108010 2

2.1 Introduction 3
2.2 Sample Receipt 3
2.3 Holding Time/Preservation 3
2.4 Blanks 3
2.5 Surrogates 4
2.6 Laboratory Control Samples (LCS) and LCS Duplicates (LCSD) 4
2.7 Field and Laboratory Duplicates 4
2.8 Matrix Spike/Matrix Spike Duplicate 4

3.0 REFERENCES 5

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1.0 INTRODUCTION

This Data Validation Report presents findings for validation of groundwater associated with a sampling event conducted at AMCO Chemical Superfund Site on August 11, 2021. The field samples were analyzed for volatile organic compounds (VOCs), semi volatile organic compounds (SVOCs), and dissolved metals by United States Environmental Protection Agency (USEPA) Method 524.2, Method 8270D, and Methods 200.7 and 200.8, respectively. The USEPA Region 9 Lab analyzed all samples listed in this report; no other laboratories were subcontracted. Data was validated by Oneida Total Integrated Enterprise's (OTIE's) Chemist, Melina Rosado. Analytical data were validated in accordance with the guidelines in Draft Final Sampling and Analysis Plan (SAP) (OTIE, 2017) and Final SAP Addendum (OTIE 2021) and in accordance with the following documents:

- *Region 9 Superfund Data Evaluation/Validation Guidance (USEPA, 2001c).*
- *USEPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use (USEPA, 2009).*
- *Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2020a).*
- *Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020b)*
- *USEPA Method 524.2, Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry. (USEPA, 1992)*
- *USEPA Method 200.7: Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Atomic Emission Spectrometry," Revision 4.4 (USEPA, 1994a)*
- *USEPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry," Revision 5.4 (USEPA, 1994b)*
- *USEPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA publication SW-846, Third Edition, Final Updates through VII (USEPA, 2018).*

Section 2.0 presents a summary of the SDG(s) and applicable samples validated. The following are definitions of the data qualifiers used, if applicable, during data validation.

Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	Rejected. The data are unusable.
Bias Codes	
+	Bias in the sample result is believed to be high.
-	Bias in the sample result is believed to be low.

2.0 DATA VALIDATION REPORT 2108010

Site Name	AMCO Chemical Superfund Site
Collection Date:	8/11/21
Report Date:	9/17/21
Matrix:	Water
Parameters:	VOCs, SVOCs and Dissolved Metals by ICP and ICP/MS
Validation Stage:	Tier 1A
ADR Software Identification:	N/A
Sample Delivery Group (SDG):	2108010

Table 2-1 Sample Summary

OTIE Sample ID	Laboratory Sample ID	Matrix	Type	Analyses
AMCO-RMW-06-61-081121	2108010-01	Water	N	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-RMW-17-70-081121	2108010-02	Water	N	USEPA 524.2, USEPA 8270D
AMCO-RMW-17-35-081121	2108010-03	Water	N	USEPA 524.2, USEPA 8270D
AMCO-RMW-06-15-081121	2108010-04	Water	N	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-RMW-16-35-081121	2108010-05	Water	N	USEPA 524.2, USEPA 8270D
AMCO-RMW-16-61-081121	2108010-06	Water	N	USEPA 524.2, USEPA 8270D
AMCO-RMW-06-35-081121	2108010-07	Water	N	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-RMW-16W-15-081121	2108010-08	Water	N	USEPA 524.2, USEPA 8270D
AMCO-081121-TB	2108010-09	Water	TB	USEPA 524.2
Dup 8-081121	2108010-010	Water	FD	USEPA 524.2, USEPA 8270D
AMCO-X-46-081121-S	2108010-011	Water	N	USEPA 524.2, USEPA 8270D
AMCO-X-46-081121-I	2108010-012	Water	N	USEPA 524.2, USEPA 8270D
AMCO-X-46-081121-D	2108010-013	Water	N	USEPA 524.2, USEPA 8270D
AMCO-X-49-081121-D	2108010-014	Water	N	USEPA 524.2, USEPA 8270D
AMCO-X-49-081121-I	2108010-015	Water	N	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-X-49-081121-S	2108010-016	Water	N	USEPA 524.2, USEPA 8270D
AMCO-X-50-D-081121	2108010-017	Water	N	USEPA 524.2, USEPA 8270D
AMCO-X-50-S-081121	2108010-018	Water	N	USEPA 524.2, USEPA 8270D
AMCO-X-50-I-081121	2108010-019	Water	N	USEPA 524.2, USEPA 8270D

N = Normal; FD = Field Duplicate; TB = Trip Blank

2.1 INTRODUCTION

This data review covers **17 normal groundwater samples, one trip blank, and one field duplicate** listed above including dilutions and reanalysis, if applicable. The VOCs, SVOCs, and dissolved metals were performed by the methods presented in **Table 2-1**, and validated in accordance with the requirements set forth in the documents listed in Section 1.0, including the *Revised Draft Final Sampling and Analysis Plan (SAP), AMCO Chemical Superfund Site, Non-Critical Time Removal Action* (OTIE, 2017) and *Final SAP Addendum, Limited Groundwater, Soil Gas, Indoor Air Sampling, AMCO Chemical Superfund Site, Oakland California* (OTIE, 2021); and the USEPA NFGs. A qualification summary table is provided at the end of this report.

2.2 SAMPLE RECEIPT

All sample receipt documentation were complete and correct, with the following exception. Two containers were received for sample AMCO-X-49-08121-I (2108010-15) for dissolved metals that were not listed on the chain-of-custody (COC). The aliquot was logged in and analyzed by the laboratory.

2.3 HOLDING TIME/PRESERVATION

The samples were analyzed within the technical holding times for each method and were properly preserved with the following exception: all dissolved metals sample containers were received unpreserved but preserved upon receipt. In addition, sample AMCO-X-49-081121-I (2108010-15) was re-extracted outside of 15 days past hold time due to background contamination. In accordance with the Organic NFGs, detected results are qualified as estimated with a low bias and nondetected results are rejected.

Sample ID	Analytes	Qualifer
AMCO-X-49-081121-I	All SVOCs	J-/R

2.4 BLANKS

The instrument and method blanks were non-detect for the target compounds and were run at their proper frequencies. During data validation, field sample results were assessed for target compounds that also reported concentrations in the associated laboratory blank samples.

For blank B21H039-BLK1, arsenic was greater than ½ the Inductively Couple Plasma/Mass Spectrometry (ICP/MS) quantitation limit (QL) of 0.30 ug/L. Laboratory reported >5x the blank and re-prepped samples with <5x blank contamination. No qualification is warranted on this basis.

Field blanks consisted of one trip blank per cooler containing VOCs in accordance with the SAP Addendum (OTIE, 2021).

All acceptance criteria were met with the following exceptions:

Laboratory Blank Sample ID	Analysis Date	Analyte	Analyte Result (µg/L)	Affected Samples	Validation Qualifier
AMCO-081121-TB	08/11/21	Acetone	2.5	AMCO-RMW-06-15-081121 AMCO-X-46-081121-D AMCO-X-50-D-081121	4.0 U

2.5 SURROGATES

All field and laboratory samples analyzed for VOCs and SVOCs met surrogate recovery acceptance criteria defined in Appendix A of the Final SAP Addendum (OTIE, 2021).

2.6 LABORATORY CONTROL SAMPLES (LCS) AND LCS DUPLICATES (LCSD)

The VOCs, SVOCs and dissolved metals LCS and LCSD recoveries (as %R and RPD) met recovery acceptance criteria as defined in Appendix A of the Draft Final SAP (OTIE, 2017) and Final SAP Addendum (OTIE, 2021).

2.7 FIELD AND LABORATORY DUPLICATES

One field duplicate pair was identified in this SDG as Dup 8-081121 and parent sample AMCO-RMW-16W-15-081121. There were no target analytes detected in the parent sample for this field duplicate.

A laboratory duplicate was performed for the ICP preparation batch and met the Final SAP Addendum (OTIE, 2021) Appendix A criteria of 20%.

2.8 MATRIX SPIKE/MATRIX SPIKE DUPLICATE

The following source samples were identified as an MS/MSD: AMCO-X-49-081121-I. For sample AMCO-X-49-081121-I initial analysis showed background contamination which in turn caused instrument contamination and QC failures. The following analytes did not meet RPD or percent recovery criteria in the MS/MSD sample AMCO-X-49-081121-I:

MS/MSD Sample ID	Analyte	Spike Result (µg/L)	QC Criteria	Affected Samples	Validation Qualifier
AMCO-X-49-081121-I MS2/MSD2	2,4-Dinitrophenol	0/0%	40-141%	AMCO-X-49-081121-I	J-
	2-Methylnaphthalene	--/139%	43-110%	AMCO-X-49-081121-I	None
	3,3'-Dichlorobenzidine	0/0%	20-128%	AMCO-X-49-081121-I	R
	3-Nitroaniline	0/0%	20-164%	AMCO-X-49-081121-I	R
	4-Chloroaniline	0/0%	20-142%	AMCO-X-49-081121-I	R
	Hexachloroethane	345/390%	27-110%	AMCO-X-49-081121-I	None
AMCO-X-49-081121-I-MS/MSD	1,1-Dichloroethene	--/152%	73-134%	AMCO-X-49-081121-I	None
	2-Butanone (MEK)	--/21%	48-124%	AMCO-X-49-081121-I	UJ
	2-Chlorotoluene	11/9%	83-110%	AMCO-X-49-081121-I	J
	Chloroethane	--/158%	68-136%	AMCO-X-49-081121-I	None
	Dichlorodifluoromethane	--/154%	62-142%	AMCO-X-49-081121-I	None

MS/MSD Sample ID	Analyte	Spike Result (µg/L)	QC Criteria	Affected Samples	Validation Qualifier
	tert-Butyl methyl ether (MTBE)	131/139%	56-128%	AMCO-X-49-081121-I	None
	Trichlorofluoromethane	--/148%	66-142%	AMCO-X-49-081121-I	None
	Vinyl chloride	--/153%	62-141%	AMCO-X-49-081121-I	J

"--" indicates the parameter was passing and need not be recorded here as an exception.

None = all associated samples results reported no detection above the laboratory reporting limits

Overall assessment of Data

Overall, the estimated data as qualified are deemed valid and usable for the intended purpose by the project. The rejected data while not usable, make up a small percentage of the entire dataset. Data validation qualifiers are summarized in the following table.

OTIE Sample ID	Analyte	Qualifier	Qualification Code Reference
AMCO-X-49-081121-I	All SVOCs	J-/R	H3
AMCO-RMW-06-15-081121	Acetone	4.0 U	B6
AMCO-X-46-081121-D	Acetone	4.0 U	B6
AMCO-X-50-D-081121	Acetone	4.0 U	B6
AMCO-X-49-081121-I	2,4-Dinitrophenol	J-	M3
AMCO-X-49-081121-I	3,3'-Dichlorobenzidine	R	M3
AMCO-X-49-081121-I	3-Nitroaniline	R	M3
AMCO-X-49-081121-I	4-Chloroaniline	R	M3
AMCO-X-49-081121-I	2-Butanone (MEK)	UJ	M3
AMCO-X-49-081121-I	2-Chlorotoluene	J	M3
AMCO-X-49-081121-I	Vinyl Chloride	J	M2

Qualification Code Reference	Explanation of Infraction
H3	Holding Time Infraction, Extraction to Analysis
B6	Trip Blank Infraction (Qualified Detect)
M3	MS/MSD percent recovery Infraction with Low Bias
M2	MS/MSD percent recovery Infraction with High Bias

3.0 REFERENCES

Oneida Total Integrated Enterprises (OTIE). 2017. *Revised Draft Final Sampling and Analysis Plan (SAP), AMCO Chemical Superfund Site, Non-Critical Time Removal Action.* January.

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United States Environmental Protection Agency (USEPA), 1992. *Method 524.2: Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry*. Revision 4.1. Cincinnati, OH.

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Data Validation Report
August 2021 Groundwater Monitoring
SDG 2108016

AMCO Superfund Site Feasibility Study
Oakland, California

Contract No. EP-S9-13-01
Task Order No. 012

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October 14, 2021

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 9

Report Title:	**Data Validation Report**
Site Name	AMCO Superfund Site
Location:	Oakland, California
EPA Contract No.:	EP-S9-13-01
Task Order No.:	012
OTIE Project #:	2017097
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10/13/21

Eric Foote PMP, Project Manager
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Date

10/13/21

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Date

TABLE OF CONTENTS

1.0 INTRODUCTION 1

2.0 DATA VALIDATION REPORT A 2

2.1 Introduction 3
2.2 Sample Receipt 3
2.3 Holding Time/Preservation 3
2.4 Blanks 4
2.5 Surrogates 4
2.6 Laboratory Control Samples (LCS) and LCS Duplicates (LCSD) 4
2.7 Field and Laboratory Duplicates 5
2.8 Matrix Spike/ Matrix Spike Duplicates 6

3.0 REFERENCES 8

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1.0 INTRODUCTION

This Data Validation Report presents findings for validation of groundwater associated with a sampling event conducted at AMCO Chemical Superfund Site on August 11, 2021. The field samples were analyzed for volatile organic compounds (VOCs), semi volatile organic compounds (SVOCs), and dissolved metals by United States Environmental Protection Agency (USEPA) Method 524.2, Method 8270D, and 200 Series Methods 200.7 and 200.8 respectively. The USEPA Region 9 Lab analyzed all samples listed in this report; no other laboratories were subcontracted. Data was validated by Oneida Total Integrated Enterprise's (OTIE's) Chemist, Melina Rosado. Analytical data were validated in accordance with the guidelines in Draft Final Sampling and Analysis Plan (SAP) (OTIE, 2017) and Final SAP Addendum (OTIE 2021) and in accordance with the following documents:

- *Region 9 Superfund Data Evaluation/Validation Guidance (USEPA, 2001c).*
- *USEPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use (USEPA, 2009).*
- *Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2020a).*
- *Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020b).*
- *USEPA Method 200.7: Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Atomic Emission Spectrometry," Revision 4.4 (USEPA, 1994a)*
- *USEPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry," Revision 5.4 (USEPA, 1994b)*
- *USEPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA publication SW-846, Third Edition, Final Updates through VII (USEPA, 2018)*

Section 2.0 presents a summary of the SDG(s) and applicable samples validated. The following are definitions of the data qualifiers used, if applicable, during data validation.

Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	Rejected. The data are unusable.
Bias Codes	
+	Bias in the sample result is believed to be high.
-	Bias in the sample result is believed to be low.

2.0 DATA VALIDATION REPORT A

Site Name	AMCO Chemical Superfund Site
Collection Date:	8/12/2021
Report Date:	10/14/2021
Matrix:	Water
Parameters:	VOCs, SVOCs, Dissolved metals by ICP and ICP/MS
Validation Stage:	Tier 1a
ADR Software Identification:	N/A
Sample Delivery Group (SDG):	2108016

Table 2-1 Sample Summary

OTIE Sample ID	Laboratory Sample ID	Matrix	Type	Analyses
AMCO-RMW-18-79-081221	2108016-01	Water	N	USEPA 524.2, USEPA 8270D
AMCO-081221-TB	2108016-02	Water	TB	USEPA 524.2
AMCO-RMW-18-35-081221	2108016-03	Water	N	USEPA 524.2, USEPA 8270D
AMCO-BMW-08-081221	2108016-04	Water	N	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-RMW-10-35-081221	2108016-05	Water	N	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-RMW-14-35-081221	2108016-06	Water	N	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-BMW-07-081221	2108016-07	Water	N	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-RMW-14-50-081221	2108016-08	Water	N	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-BMW-03-081221	2108016-09	Water	N	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-RMW-10-79-081221	2108016-010	Water	N	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-DUP5-081221	2108016-011	Water	FD	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-DUP6-081221	2108016-012	Water	FD	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-RMW-19-80-081221	2108016-013	Water	N	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-BPZ-01-081221	2108016-014	Water	N	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-RMW-13-35-081221	2108016-015	Water	N	USEPA 524.2, USEPA 8270D

OTIE Sample ID	Laboratory Sample ID	Matrix	Type	Analyses
AMCO-DUP4-081221	2108016-016	Water	FD	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-RMW-19-15-081221	2108016-017	Water	N	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-BMW-01-081221	2108016-018	Water	N	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-RMW-04-15-081221	2108016-019	Water	N	USEPA 524.2, USEPA 8270D
AMCO-RMW-05-35-081221	2108016-020	Water	N	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-RMW-14-35-081221	2108016-021	Water	N	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-RMW-10-15-081221	2108016-022	Water	N	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-RMW-05-74-081221	2108016-023	Water	N	USEPA 524.2, USEPA 8270D

N = Normal; FD = Field Duplicate; TB = Trip Blank

2.1 INTRODUCTION

This data review covers **19 normal groundwater samples, one trip blank, and 3 field duplicates** listed above including dilutions and reanalysis, if applicable. The VOCs, SVOCs, and dissolved metals were performed by the methods presented in **Table 2-1**, and validated in accordance with the requirements set forth in the documents listed in Section 1.0, including the *Revised Draft Final Sampling and Analysis Plan (SAP), AMCO Chemical Superfund Site, Non-Critical Time Removal Action* (OTIE, 2017) and *Final SAP Addendum, Limited Groundwater, Soil Gas, Indoor Air Sampling, AMCO Chemical Superfund Site, Oakland California* (OTIE, 2021); and the USEPA NFGs. A qualification summary table is provided at the end of this report.

2.2 SAMPLE RECEIPT

All sample receipt documentation were complete and correct, with the following exception:

- Sample labels has AMCO-RMW-04-15-081221 while COC has AMCO-BMW-04-15-081221. OTIE confirmed that the sample label was correct.
- One of two liters received for sample AMCO-DUP4-081221 was empty.

2.3 HOLDING TIME/PRESERVATION

The samples were analyzed within the technical holding times for each method and were properly preserved for the exception for:

- Metals aliquots for samples AMCO-BMW-08-081221, AMCO-BPZ-01-081221 and AMCO-DUP4-081221 all received with pH of 7. The laboratory adjusted pH to less than 2 upon receipt with nitric acid. No qualification warranted on this basis.
- Sample AMCO-BMW-08-081221 [2108016-04] initial analysis for SVOCs showed high background contamination and QC failures. The sample was re-extracted 14 days outside of the 7-day extraction hold time. Re-extraction/reanalysis results were reported. In accordance with the NFGs, detected results in the sample will be qualified as estimated with a low bias and nondetected results will be rejected (J-/R).

2.4 BLANKS

The instrument and method blanks were non-detect for the target compounds and were run at their proper frequencies. During data validation, field sample results were assessed for target compounds that also reported concentrations in the associated laboratory blank samples. Field blanks consisted of one trip blank per day per cooler containing VOCs in accordance with the SAP (OTIE, 2017).

All acceptance criteria were met with the following exceptions:

Laboratory Blank Sample ID	Analysis Date	Analyte	Compound Result (µg/L)	Affected Samples	Validation Qualifier
B21H048-BLK1	8/17/21	Dichloromethane	0.3 J	None	None
B21H057-BLK1	08/18/21	Dichloromethane	0.3 J	None	None
B21H046-BLK2	8/19/21	Arsenic	0.38 J	AMCO-RMW-10-79-081221 AMCO-BMW-01-081221	10 U 5 U

None = all associated samples results either reported no detection above the laboratory reporting limits or concentrations were greater than 1 times QL presented in the project plan. No qualifications applied.

2.5 SURROGATES

All field and laboratory samples analyzed for VOCs and SVOCs met surrogate recovery acceptance criteria defined in Appendix A of the Final SAP Addendum (OTIE, 2021) except with the following exceptions:

Sample ID	Surrogate	Surrogate Result	Surrogate Limits	Validation Qualifier
RMW-10-35-081221	1,4-Dioxane-d8	1780	34-110	None – diluted out
AMCO-DUP5-081221	1,4-Dioxane-d8	27	34-110	J-
AMCO-BPZ-01-081221	1,4-Dioxane-d8	30	34-110	J-

2.6 LABORATORY CONTROL SAMPLES (LCS) AND LCS DUPLICATES (LCSD)

The LCS recoveries (as %R) met recovery acceptance criteria as defined in Appendix A of the Draft Final SAP (OTIE, 2017) and Final SAP Addendum (OTIE, 2021) except with the following exceptions:

LCS ID	Analyte	Spike Result %	QC Criteria %	Affected Samples	Validation Qualifier
B21H034-BS1	1,2-Dichloropropane	53	70-130	AMCO-BMW-08-081221; AMCO-BPZ-01-081221; AMCO-DUP4-081221	UJ

LCS ID	Analyte	Spike Result %	QC Criteria %	Affected Samples	Validation Qualifier
B21H043-BS1	1,2-Dichloropropane	60	70-130	RMW-10-15-081221	UJ
B21H048-BS1	1,2-Dichloropropane	58	70-130	RMW-10-35-81221	UJ
B21H043-BS1	Bromomethane	22	31-150	RMW-10-15-081221	UJ
B21H048-BS1	Bromomethane	7	31-150	RMW-10-35-81221	UJ
B21H034-BS1	Dibromomethane	62	72-121	AMCO-BMW-08-081221; AMCO-BPZ-01-081221; AMCO-DUP4-081221	UJ
B21H048-BS1	Dibromomethane	66	72-121	RMW-10-35-81221	UJ
B21H048-BS1	Trichloroethene	67	75-125	RMW-10-35-81221	J-

2.7 Field and Laboratory Duplicates

The following field duplicates were identified in this SDG: AMCO-BMW-03-081221 with duplicate AMCO-DUP5-081221, AMCO-RMW-10-35-081221 with duplicate AMCO-DUP6-081221, AMCO-BPZ-01-081221 with duplicate AMCO-DUP4-081221. Table below summarizes results of duplicate pairs:

Compound	Parent Sample Result (ug/L)	Duplicate Sample Result (ug/L)	RPD
1. AMCO-BMW-03-081221/ AMCO-DUP5-081221			
Arsenic	160	160	0%
Manganese	6000	6000	0%
Cobalt	11	11	0%
Nickel	33	33	0%
Selenium	7.3	7.9	7.90%
Vinyl chloride	1.2	0.8	40%
1,1-Dichloroethane	24	19	23.2%
cis-1,2-Dichloroethene	24	23	4.25%
Trichloroethene	1.6	1.5	6.4%
1,4-Dioxane	140	75	60.4%
2. AMCO-RMW-10-35-081221 / AMCO-DUP6-081221			
Arsenic	1100	1100	0%
Iron	8400	8100	3.63%
Manganese	13000	12000	8%
Cobalt	96	93	3.1%
Nickel	300	300	0%
Selenium	25	24	4.1%

Compound	Parent Sample Result (ug/L)	Duplicate Sample Result (ug/L)	RPD
Vinyl chloride	270	280	3.6%
Acetone	25	38	41.3%
trans-1,2-Dichloroethene	13	10	26.0%
1,1-Dichloroethane	120	92	26.4%
Benzene	2.8	2.4	15.3%
Trichloroethene	14	12	15.4%
1,2,3-Trichlorobenzene	5.0	5.0	0%
3. AMCO-BPZ-01-081221/ AMCO-DUP4-081221			
Arsenic	65	65	0%
Cobalt	3.5	3.4	2.9%
Manganese	12	12	0%
Nickel	11	11	0%
Selenium	64	64	0%
1,4-Dioxane	63	110	54.3%

1,4-Dioxane was outside of RPD limit of 40% in field duplicate pair AMCO-BPZ-01-081221/ AMCO-DUP4-081221 warranting qualification as estimated (J) for this analyte in both samples.

2.8 MATRIX SPIKE/ MATRIX SPIKE DUPLICATES

The following source samples were identified as an MS/MSD: AMCO-RMW-05-35-081221 and AMCO-RMW-14-35-081221.

All acceptance criteria were met with the following exceptions:

MS/MSD Sample ID	Analyte	Spike Result %	QC Criteria %	Affected Samples	Validation Qualifier
AMCO-RMW-05-035-081321MS/MSD	1,1,2,2-Tetrachloroethane	120/--	77-117	AMCO-RMW-05-035-081321	None
	1,3,5-Trimethylbenzene	115/--	82-112	AMCO-RMW-05-035-081321	None
	2,4-Dimethylphenol	28/16	36-125	AMCO-RMW-05-035-081321	UJ
	2-Methylphenol	53/43	56-110	AMCO-RMW-05-035-081321	UJ
	3&4-Methylphenol	--/42	59-117	AMCO-RMW-05-035-081321	UJ
	3,3'-Dichlorobenzidine	0/0	20-128	AMCO-RMW-05-035-081321	R

MS/MSD Sample ID	Analyte	Spike Result %	QC Criteria %	Affected Samples	Validation Qualifier
	4-Chloroaniline	5/16	20-142	AMCO-RMW-05-035-081321	R
	Diphenyl amine	0/0	21/115	AMCO-RMW-05-035-081321	R
AMCO-RMW-14-35-081221MS/MSD	1,1-Dichloropropene	120/--	71-116	AMCO-RMW-14-35-081221	None
	1,2,3-Trichloropropane	--/116	78-115	AMCO-RMW-14-35-081221	None
	1,3,5-Trimethylbenzene	--/115	82-112	AMCO-RMW-14-35-081221	None
	1,3-Dichlorobenzene	--/112	82-110	AMCO-RMW-14-35-081221	None
	2-Chlorotoluene	--/113	83-110	AMCO-RMW-14-35-081221	None
	4-Chlorotoluene	--/115	82-110	AMCO-RMW-14-35-081221	None
	Benzene	--/116	77-115	AMCO-RMW-14-35-081221	None
	Ethylbenzene	--/121	85-112	AMCO-RMW-14-35-081221	None
	Hexachlorobutadiene	--/119	51-116	AMCO-RMW-14-35-081221	None
	Isopropylbenzene	--/118	80-117	AMCO-RMW-14-35-081221	None
	m&p-Xylene	--/118	84-113	AMCO-RMW-14-35-081221	J+
	o-Xylene	--/119	82-110	AMCO-RMW-14-35-081221	None
	Propylbenzene	--/120	83-116	AMCO-RMW-14-35-081221	None
	tert-Butylbenzene	--/117	81-115	AMCO-RMW-14-35-081221	None
	Tetrachloroethene	118/121	81-115	AMCO-RMW-14-35-081221	None

- "--" indicates the parameter was passing and need not be recorded here as an exception.
- **None** = all associated samples results reported no detection above the laboratory reporting limits

Overall assessment of Data

Overall, the estimated data as qualified are deemed valid and usable for the intended purpose by the project. The rejected data while not usable, make up a small percentage of the entire dataset. Data validation qualifiers are summarized in the following table.

Field Identification	Analyte	Qualifier	Qualifier Code
AMCO-BMW-08-081221	All SVOCs	J-/R	H3
AMCO-RMW-10-79-081221	Arsenic	10 U	B4
AMCO-BMW-01-081221	Arsenic	5 U	B4
AMCO-DUP5-081221	1,4-Dioxane	J-	S2
AMCO-BPZ-01-081221	1,4-Dioxane	J-	S2
AMCO-BMW-08-081221	1,2-Dichloropropane	UJ	L3

AMCO-BPZ-01-081221	Bromomethane		
AMCO-DUP4-081221			
RMW-10-15-081221			
RMW-10-35-081221			
RMW-10-35-081221	Trichloroethene	J-	L3
AMCO-BPZ-01-081221 AMCO-DUP4-081221	1,4-Dioxane	J	D1
AMCO-RMW-05-035-081321	2,4-Dimethylphenol	UJ	M3
AMCO-RMW-05-035-081321	2-Methylphenol	UJ	M3
AMCO-RMW-05-035-081321	3&4-Methylphenol	UJ	M3
AMCO-RMW-05-035-081321	3,3'-Dichlorobenzidine	R	M3
AMCO-RMW-05-035-081321	4-Chloroaniline	R	M3
AMCO-RMW-05-035-081321	Diphenyl amine	R	M3
AMCO-RMW-14-35-081221	m&p-Xylene	J+	M2

Qualification Code Reference	**Explanation of Infraction**
B4	Method Blank Infraction (Qualified Detect)
H3	Holding Time Infraction, Extraction to Analysis
S2	Surrogate percent recovery Infraction with Low Bias
M2	MS/MSD percent recovery Infraction with High Bias
M3	MS/MSD percent recovery Infraction with Low Bias
L3	LCS percent recovery Infraction with Low Bias
D1	Field Duplicate Precision Infraction

3.0 REFERENCES

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United States Environmental Protection Agency (USEPA) 1992. *Method 524.2: Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry*. Revision 4.1. Cincinnati, OH.

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_____. 1994b. *Method 200.8: Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Mass Spectrometry*, Revision 5.4. Cincinnati, OH

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Data Validation Report
August 2021 Groundwater Monitoring
SDG 2108018

AMCO Superfund Site Feasibility Study
Oakland, California

Contract No. EP-S9-13-01
Task Order No. 012

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October 13, 2021

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 9

Report Title:	**Data Validation Report**
Site Name	AMCO Superfund Site
Location:	Oakland, California
EPA Contract No.:	EP-S9-13-01
Task Order No.:	012
OTIE Project #:	2017097
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TABLE OF CONTENTS

1.0 INTRODUCTION 1

2.0 DATA VALIDATION REPORT A 2

2.1 Introduction 3
2.2 Sample Receipt 3
2.3 Holding Time/Preservation 3
2.4 Blanks 3
2.5 Surrogates 4
2.6 Laboratory Control Samples (LCS) and LCS Duplicates (LCSD) 4
2.7 Internal Standards ..... **Error! Bookmark not defined.**
2.8 Field and Laboratory Duplicates 5

3.0 REFERENCES 8

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1.0 INTRODUCTION

This Data Validation Report presents findings for validation of the groundwater monitoring samples associated with a sampling event conducted at AMCO Chemical Superfund Site on August 13, 2021. The field samples were analyzed for volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 524.2, semivolatile organic compounds (including 1,4-Dioxane) by EPA Method 8270D and selected dissolved metals by EPA 200.7 and 200.8. The USEPA Region 9 Lab analyzed all samples listed in this report; no other laboratories were subcontracted. Data were validated by Oneida ESC Group's (OESC) Senior Chemist, Kristen Carlyon Peyton. Analytical data were validated in accordance with the guidelines in Draft Final Sampling and Analysis Plan (SAP) (OTIE, 2017) and Final SAP Addendum (OTIE 2021) and in accordance with the following documents:

- *Region 9 Superfund Data Evaluation/Validation Guidance (USEPA, 2001).*
- *USEPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use (USEPA, 2009).*
- *Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2020a).*
- *Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020b)*
- *USEPA* Method 524.2: Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry*. Revision 4.1. (USEPA, 1992)*
- *USEPA Method 200.7: Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Atomic Emission Spectrometry," Revision 4.4 (USEPA, 1994a)*
- *USEPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry," Revision 5.4 (USEPA, 1994b)*
- *USEPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA publication SW-846, Third Edition, Final Updates through VII (USEPA, 2018)*

Section 2.0 presents a summary of the SDG(s) and applicable samples validated. The following are definitions of the data qualifiers used, if applicable, during data validation.

Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	Rejected. The data are unusable.
Bias Codes	
+	Bias in the sample result is believed to be high.
-	Bias in the sample result is believed to be low.

2.0 DATA VALIDATION REPORT A

Site Name	AMCO Chemical Superfund Site
Collection Date:	8/13/2021
Report Date:	10/13/2021
Matrix:	Groundwater
Parameters:	VOCs, SVOCs, Dissolved Metals by ICP and ICP/MS
Validation Stage:	Tier 1a
ADR Software Identification:	N/A
Sample Delivery Group (SDG):	2108018

Table 2-1 Sample Summary

OTIE Sample ID	Laboratory Sample ID	Matrix	Type	Analyses
AMCO-081321-TB	2108018-01	NA	TB	USEPA 524.2
AMCO-RMW-01-35-081321	2108018-02	Groundwater	N	USEPA 524.2, USEPA 8270C, USEPA 200.7, USEPA 200.8
AMCO-RMW-01-17-081321	2108018-03RE1	Groundwater	N	USEPA 524.2, USEPA 8270C, USEPA 200.7, USEPA 200.8
AMCO-RMW-11-35-081321	2108018-04	Groundwater	N	USEPA 524.2, USEPA 8270D
AMCO-X-52-081321-S	2108018-05	Groundwater	N	USEPA 524.2, USEPA 8270C, USEPA 200.7, USEPA 200.8
AMCO-X-52-081321-D	2108018-06	Groundwater	N	USEPA 524.2, USEPA 8270C, USEPA 200.7, USEPA 200.8
AMCO-X-52-081321-I	2108018-07	Groundwater	N	USEPA 524.2, USEPA 8270C, USEPA 200.7, USEPA 200.8
AMCO-X-01-081321	2108018-08RE3	Groundwater	N	USEPA 524.2, USEPA 8270D
AMCO-RMW-03-15-081321	2108018-09RE1	Groundwater	N	USEPA 524.2, USEPA 8270C, USEPA 200.7, USEPA 200.8
AMCO-RMW-08-15-081321	2108018-10	Groundwater	N	USEPA 524.2, USEPA 8270C, USEPA 200.7, USEPA 200.8
AMCO-RMW-08-35-081321	2108018-11	Groundwater	N	USEPA 524.2, USEPA 8270C, USEPA 200.7, USEPA 200.8
AMCO-RMW-15-15-081321	2108018-12	Groundwater	N	USEPA 524.2, USEPA 8270D
AMCO-RMW-15-35-081321	2108018-13	Groundwater	N	USEPA 524.2, USEPA 8270D
AMCO-X-14-081321	2108018-14	Groundwater	N	USEPA 524.2, USEPA 8270D
AMCO-X-05-081321	2108018-15	Groundwater	N	USEPA 524.2, USEPA 8270D
AMCO-X-04-081321	2108018-16RE1	Groundwater	N	USEPA 524.2, USEPA 8270D

OTIE Sample ID	Laboratory Sample ID	Matrix	Type	Analyses
AMCO-X-29-081321	2108018-17	Groundwater	N	USEPA 524.2, USEPA 8270D
AMCO-X-25-081321	2108018-18RE3	Groundwater	N	USEPA 524.2, USEPA 8270D
AMCO-X-19-081321	2108018-19	Groundwater	N	USEPA 524.2, USEPA 8270D
AMCO-DUP1-081321	2108018-20	Groundwater	FD	USEPA 524.2, USEPA 8270D

FD = field duplicate; N = Normal; TB = Trip Blank

2.1 INTRODUCTION

This data review covers **18 normal groundwater samples, one field duplicate, and one trip blank** as listed above including dilutions and reanalysis, where applicable. The VOCs, SVOCs, and dissolved metals were performed by the methods presented in **Table 2-1**, and validated in accordance with the requirements set forth in the documents listed in Section 1.0, including the *Revised Draft Final Sampling and Analysis Plan (SAP), AMCO Chemical Superfund Site, Non-Critical Time Removal Action* (OTIE, 2017) and *Final SAP Addendum, Limited Groundwater, Soil Gas, Indoor Air Sampling, AMCO Chemical Superfund Site, Oakland California* (SAP Addendum; OTIE, 2021); and the USEPA NFGs. A qualification summary table is provided at the end of this report.

2.2 SAMPLE RECEIPT

All sample receipt documentation were complete and correct, with the following exceptions:

- Sample AMCO-081321-TB had no analysis selected on COC; however, the laboratory received three VOA vials and logged them in for VOCs.
- Sample AMCO-RMW-11-35-08121 had dissolved metals analysis selected on COC but no metals containers received for analysis. It should be noted that the sample plan for the event did not require metals for this well.

2.3 HOLDING TIME/PRESERVATION

The samples were analyzed within the technical holding times for each method and were properly preserved, with the following exceptions:

- Batch B21I003 extracted on 9/2/2021, 20 days after the sample collection date of 8/13/2021, grossly exceeded the 7-day preparation holding time for SVOCs. In accordance with the NFGs, detected results in the associated sample, AMCO-X-14-081321 [21018-14RE2], will be qualified as estimated with a low bias and nondetect results will be rejected (J-/R).

2.4 BLANKS

The instrument and method blanks were non-detect for the target compounds and were run at their proper frequencies. During data validation, field sample results were assessed for target compounds that also reported concentrations in the associated laboratory blank samples.

All acceptance criteria were met with the following exceptions:

Laboratory Blank Sample ID	Analysis Date	Analyte	Analyte Result (µg/L)	Affected Samples	Validation Qualifier
B21H048-BLK1	8/17/2021	Dichloromethane	0.3 J	None	None
B21H050-BLK1	8/17/2021	Dichloromethane	1.0	None	None

None = all associated samples results either reported no detection above the laboratory reporting limits or concentrations were greater than 1 times QL presented in the project plan. No qualifications applied.
N/A = not applicable, compound is not a target compound. No qualifications applied.

Field blanks consisted of one trip blank per cooler containing VOCs in accordance with the SAP Addendum (OTIE, 2021). The trip blank for this set of samples, AMCO-081321-TB, was included with SDG 20108018.

All acceptance criteria were met with the following exceptions:

Laboratory Blank Sample ID	Analyte	Analyte Result (µg/L)	Affected Samples	Validation Qualifier
AMCO-081321-TB	Acetone	0.3 J	AMCO-RMW-01-17-081321 [2108018-01], AMCO-X-52-081321 [2108018-03], AMCO-08-15-081321 [2108018-10], AMCO-RMW-15-15-081321 [2108018-12], AMCO-RMW-15-35-081321 [2108018-13]	4.0 U
	Chloroform	1.0	None	None
	Toluene	0.3 J	AMCO-X-04-081321 [2108018-02], AMCO-X-04-081321 [2108018-16]	2.5 U

None = all associated samples results either reported no detection above the laboratory reporting limits or concentrations were greater than one times the QL presented in the project plan. No qualifications applied.

N/A = not applicable, compound was not reported for this analytical run. No qualifications applied.

2.5 SURROGATES

All field and laboratory samples analyzed for VOCs and SVOCs met surrogate recovery acceptance criteria as defined in Appendix A of the Final SAP Addendum (OTIE, 2021).

2.6 LABORATORY CONTROL SAMPLES (LCS) AND LCS DUPLICATES (LCSD)

The LCS (as %R) met recovery acceptance criteria presented in Appendix A of the Final SAP Addendum (OTIE, 2021). The criteria were augmented with laboratory limits for VOC and SVOC analyses for those analytes for which limits were not provided.

2.7 MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD)

Sample AMCO-X-01-081321 was identified on the COC for MS/MSD for VOCs and SVOCs. The laboratory performed an additional MS/MSDs for and dissolved metals on samples AMCO-X-01-081321 and RMW-01-35-081321.

All acceptance criteria were met with the following exceptions:

MS/MSD Sample ID	Analyte	Spike Result (µg/L)	QC Criteria	Affected Samples	Validation Qualifier
AMCO-X-01-081321MS/MSD	1,4-Dioxane	811/1250%	82-118%	None - 4x rule	None – 4x rule
	1,1,2,2-Tetrachloroethane	120%/--	77-117%	None	None
	1,2,3-Trichloropropane	120%/--%	62-117%	None	None
	1,3-Dichloropropane	114%/--	82-113%	None	None

"--" indicates the parameter was passing and need not be recorded here as an exception.

None = all associated samples results reported no detection above the laboratory reporting limits

2.8 FIELD AND LABORATORY DUPLICATES

One field duplicate pair was included in this SDG. The pair is summarized below:

Parent Sample	Field Duplicate Sample
AMCO-X-05-081321 [2108018-15]	AMCO-DUP1-08132 [2108018-20]

Duplicate relative percent differences (RPDs) are evaluated for values above the quantitation limits because values below the quantitation limits are estimated values. For this field duplicate pair, target compounds detected above the quantitation limit reported RPDs less than 40% as defined in Appendix A of the Final SAP Addendum (OTIE, 2021), with the following exceptions:

OTIE Sample ID	Analyte	Original Result (µg/L)	Duplicate Sample ID	Duplicate Result (µg/L)	RPD %	Qualifier
AMCO-X-05-081321	1,1-Dichloroethane	21	AMCO-DUP1-081321	24	13.33%	None
AMCO-X-05-081321	1,2,4-Trichlorobenzene	2.6	AMCO-DUP1-081321	3	14.29%	None
AMCO-X-05-081321	1,2,4-Trimethylbenzene	92	AMCO-DUP1-081321	110	17.82%	None
AMCO-X-05-081321	1,2-Dichlorobenzene	220	AMCO-DUP1-081321	190	14.63%	None
AMCO-X-05-081321	1,3,5-Trimethylbenzene	54	AMCO-DUP1-081321	64	16.95%	None
AMCO-X-05-081321	1,3-Dichlorobenzene	4.4	AMCO-DUP1-081321	5	12.77%	None
AMCO-X-05-081321	1,4-Dichlorobenzene	29	AMCO-DUP1-081321	34	15.87%	None
AMCO-X-05-081321	Benzene	10	AMCO-DUP1-081321	11	9.52%	None

OTIE Sample ID	Analyte	Original Result (µg/L)	Duplicate Sample ID	Duplicate Result (µg/L)	RPD %	Qualifier
AMCO-X-05-081321	Butylbenzene	9.4	AMCO-DUP1-081321	12	24.30%	None
AMCO-X-05-081321	Chlorobenzene	8.8	AMCO-DUP1-081321	10	12.77%	None
AMCO-X-05-081321	cis-1,2-Dichloroethene	390	AMCO-DUP1-081321	300	26.09%	None
AMCO-X-05-081321	Ethylbenzene	42	AMCO-DUP1-081321	47	11.24%	None
AMCO-X-05-081321	Isopropylbenzene	3.5	AMCO-DUP1-081321	4	13.33%	None
AMCO-X-05-081321	m&p-Xylene	95	AMCO-DUP1-081321	110	14.63%	None
AMCO-X-05-081321	Naphthalene	160	AMCO-DUP1-081321	130	20.69%	None
AMCO-X-05-081321	o-Xylene	150	AMCO-DUP1-081321	130	14.29%	None
AMCO-X-05-081321	p-Isopropyltoluene	20	AMCO-DUP1-081321	25	22.22%	None
AMCO-X-05-081321	Propylbenzene	8.2	AMCO-DUP1-081321	9.6	15.73%	None
AMCO-X-05-081321	sec-Butylbenzene	3.2	AMCO-DUP1-081321	3.9	19.72%	None
AMCO-X-05-081321	Tetrachloroethene	110	AMCO-DUP1-081321	95	14.63%	None
AMCO-X-05-081321	Toluene	26	AMCO-DUP1-081321	30	14.29%	None
AMCO-X-05-081321	trans-1,2-Dichloroethene	3	AMCO-DUP1-081321	3.9	26.09%	None
AMCO-X-05-081321	Trichloroethene	120	AMCO-DUP1-081321	100	18.18%	None
AMCO-X-05-081322	Vinyl chloride	3	AMCO-DUP1-081321	3.5	15.38%	None
AMCO-X-05-081321	1,2-Dichlorobenzene	180	AMCO-DUP1-081321	140	25.00%	None
AMCO-X-05-081321	1,4-Dichlorobenzene	29	AMCO-DUP1-081321	22	27.45%	None
AMCO-X-05-081321	1,4-Dioxane	9.5 U	AMCO-DUP1-081321	11	NC	None
AMCO-X-05-081321	2,4-Dimethylphenol	320	AMCO-DUP1-081321	270	16.95%	None
AMCO-X-05-081321	2-Methylnaphthalene	340	AMCO-DUP1-081321	290	15.87%	None
AMCO-X-05-081321	2-Methylphenol	150	AMCO-DUP1-081321	120	22.22%	None
AMCO-X-05-081321	4-Chloro-3-methylphenol	420	AMCO-DUP1-081321	280	40.00%	None

OTIE Sample ID	Analyte	Original Result (µg/L)	Duplicate Sample ID	Duplicate Result (µg/L)	RPD %	Qualifier
AMCO-X-05-081321	Naphthalene	140	AMCO-DUP1-081321	100	33.33%	None
AMCO-X-05-081321	Phenanthrene	9.9	AMCO-DUP1-081321	11	10.53%	None

A laboratory duplicate was performed for the ICP preparation batch and met the Final SAP Addendum (OTIE, 2021) Appendix A criteria of 20%.

Overall assessment of Data

Overall, the estimated data as qualified are deemed valid and usable for the intended purpose by the project. The rejected data while not usable, make up a small percentage of the entire dataset. Data validation qualifiers are summarized in the following table.

OTIE Sample ID	Analyte	Qualifier	Qualification Code Reference
AMCO-X-14-081321	All SVOCs	J-/R	H3
AMCO-RMW-01-17-081321	Acetone	4.0 U	B6
AMCO-X-52-081321	Acetone	4.0 U	B6
AMCO-08-15-081321	Acetone	4.0 U	B6
AMCO-RMW-15-15-081321	Acetone	4.0 U	B6
AMCO-RMW-15-35-081321	Acetone	4.0 U	B6
AMCO-X-04-081321	Toluene	2.5 U	B6
AMCO-X-04-081321	Toluene	2.5 U	B6

Qualification Code Reference	Explanation of Infraction
B6	Trip Blank Infraction (Qualified Detect)
H3	Holding Time Infraction, Extraction to Analysis

3.0 REFERENCES

Oneida Total Integrated Enterprises (OTIE). 2017. *Revised Draft Final Sampling and Analysis Plan (SAP), AMCO Chemical Superfund Site, Non-Time Critical Removal Action.* January.

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Data Validation Report
August 2021 Groundwater Monitoring
SDG 2108019

AMCO Superfund Site Feasibility Study
Oakland, California

Contract No. EP-S9-13-01
Task Order No. 012

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October 13, 2021

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 9

Report Title:	**Data Validation Report**
Site Name	AMCO Superfund Site
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EPA Contract No.:	EP-S9-13-01
Task Order No.:	012
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Date

10/13/21

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Date

TABLE OF CONTENTS

1.0 INTRODUCTION 1

2.0 DATA VALIDATION REPORT 2108019 2

2.1 Introduction 3
2.2 Sample Receipt 3
2.3 Holding Time/Preservation 3
2.4 Blanks 3
2.5 Surrogates 4
2.6 Laboratory Control Samples (LCS) 4
2.7 Matrix Spike/Matrix Spike Duplicate (MS/MSD) 4
2.8 Internal Standards 5
2.9 Field and Laboratory Duplicates 5
2.10 Target Compound Identification 7
2.11 Tunes 7
2.12 Method Detection Limits (MDLs) and Reporting Limits (RLs) 7
2.13 Initial Calibration 8
2.14 Continuing Calibration 9

3.0 REFERENCES 13

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1.0 INTRODUCTION

This Data Validation Report presents findings for validation of the groundwater monitoring samples associated with a sampling event conducted at AMCO Chemical Superfund Site on August 13, 2021. The field samples were analyzed for volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 524.2, semivolatile organic compounds (including 1,4-Dioxane) by EPA Method 8270D, and selected dissolved metals by EPA 200.7 and 200.8. The USEPA Region 9 Lab analyzed all samples listed in this report; no other laboratories were subcontracted. Data were validated by Oneida ESC Group's (OESC) Senior Chemist, Kristen Carlyon Peyton. Analytical data were validated in accordance with the guidelines in Draft Final Sampling and Analysis Plan (SAP) (OTIE, 2017) and Final SAP Addendum (OTIE 2021) and in accordance with the following documents:

- *Region 9 Superfund Data Evaluation/Validation Guidance (USEPA, 2001).*
- *USEPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use (USEPA, 2009).*
- *Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2020a).*
- *Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020b)*
- *USEPA* Method 524.2: Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry*. Revision 4.1. (USEPA, 1992)*
- *USEPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA publication SW-846, Third Edition, Final Updates through VII (USEPA, 2018)*

Section 2.0 presents a summary of the SDG(s) and applicable sample validated. The following are definitions of the data qualifiers used, if applicable, during data validation.

Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	Rejected. The data are unusable.
Bias Codes	
+	Bias in the sample result is believed to be high.
-	Bias in the sample result is believed to be low.

2.0 DATA VALIDATION REPORT A

Site Name	AMCO Chemical Superfund Site
Collection Date:	8/13/2021
Report Date:	10/13/2021
Matrix:	Groundwater
Parameters:	VOCs, SVOCs, Dissolved Metals by ICP and ICP/MS
Validation Stage:	Tier 3
ADR Software Identification:	N/A
Sample Delivery Group (SDG):	2108019

Table 2-1 Sample Summary

OTIE Sample ID	Laboratory Sample ID	Matrix	Type	Analyses
AMCO-DUP2-081321	2108019-01	Groundwater	FD	USEPA 524.2, USEPA 8270D
AMCO-DUP3-081321	2108019-02	Groundwater	FD	USEPA 524.2, USEPA 8270D
AMCO-X-13-081321	2108019-03RE3	Groundwater	N	USEPA 524.2, USEPA 8270D
AMCO-X-21-081321	2108019-04RE2	Groundwater	N	USEPA 524.2, USEPA 8270D
AMCO-X-15-081321	2108019-05RE1	Groundwater	N	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-X-33-081321-D	2108019-06	Groundwater	N	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-X-33-081321-I	2108019-07	Groundwater	N	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-X-33-081321-S	2108019-08	Groundwater	N	USEPA 524.2, USEPA 8270D, USEPA 200.7, USEPA 200.8
AMCO-MW-02-081321	2108019-09RE1	Groundwater	N	USEPA 524.2, USEPA 8270D
AMCO-X-52-081321-PDB-I	2108019-10	Groundwater	N	USEPA 524.2
AMCO-X-52-081321-PDB-D	2108019-11	Groundwater	N	USEPA 524.2
AMCO-X-52-081321-PDB-S	2108019-12	Groundwater	N	USEPA 524.2

N = Normal
FD = Field duplicate

2.1 INTRODUCTION

This data review covers **10 normal groundwater samples and two field duplicates** as listed above including dilutions and reanalysis, where applicable. The VOCs, SVOCs, and dissolved metals were performed by the methods presented in **Table 2-1**, and validated in accordance with the requirements set forth in the documents listed in Section 1.0, including the *Revised Draft Final Sampling and Analysis Plan (SAP), AMCO Chemical Superfund Site, Non-Critical Time Removal Action* (OTIE, 2017) and *Final SAP Addendum, Limited Groundwater, Soil Gas, Indoor Air Sampling, AMCO Chemical Superfund Site, Oakland California* (SAP Addendum; OTIE, 2021); and the USEPA NFGs. A qualification summary table is provided at the end of this report.

2.2 SAMPLE RECEIPT

Sample receipt documentation was complete and correct for the groundwater samples, with the following exceptions:

- The laboratory received two 500mL poly HNO3 containers for sample AMCO-X-15-081321 [2108019-05], but dissolved metals analysis not selected on COC, nor were they planned. The laboratory logged in and analyzed the dissolved metals.
- Dissolved metals analysis is requested on COC for sample AMCO-MW-02-081321 [2108019-09] but received no metals samples for analysis.
- Sample AMCO-DUP2-081321 [2108019-01] COC time is 11:20 while sample label has 11:25. Logged in per COC.
- Dissolved metals were not collected for AMCO-MW-02-081321 per the sample plan.

No qualifications are warranted on the basis of these findings; however, the project team will assess the data usability impacts of the missing dissolved metals aliquots.

2.3 HOLDING TIME/PRESERVATION

The samples were analyzed within the technical holding times for each method and were properly preserved.

2.4 BLANKS

The instrument and method blanks were non-detect for all compounds and were run at their proper frequencies. During data validation, field sample results were assessed for target compounds that also reported concentrations in the associated laboratory blank samples.

All acceptance criteria were met with the following exceptions:

Laboratory Blank Sample ID	Analysis Date	Analyte	Analyte Result ($\mu g/m^3$)	Affected Samples	Validation Qualifier
B21H048-BLK1	8/17/2012	Dichloromethane	0.3 J	None	None
B21H050-BLK1	8/17/2021	Dichloromethane	1.0	N/A	None
B21H057-BLK1	8/18/2021	Dichloromethane	0.3 J	None	None

None = all associated samples results either reported no detection above the laboratory reporting limits or concentrations were greater than one times the QL presented in the project plan. No qualifications applied.
N/A = not applicable, compound was not reported for this analytical run. No qualifications applied.

Field blanks consisted of one trip blank per cooler containing VOCs in accordance with the SAP Addedndum (OTIE, 2020). The trip blank for this set of samples, AMCO-081321-TB, was included with SDG 20108018.

All acceptance criteria were met with the following exceptions:

Laboratory Blank Sample ID	Analyte	Analyte Result (µg/L)	Affected Samples	Validation Qualifier
AMCO-081321-TB	Acetone	0.3 J	AMCO-X-52-081321-PDB-I [2108019-10] AMCO-X-52-081321-PDB-D [2108019-11]	4.0 U 4.0 U
	Chloroform	1.0	None	None
	Toluene	0.3 J	AMCO-X-15-081321 [210819-05]	10 U

None = all associated samples results either reported no detection above the laboratory reporting limits or concentrations were greater than one times the QL presented in the project plan. No qualifications applied.
N/A = not applicable, compound was not reported for this analytical run. No qualifications applied.

2.5 SURROGATES

All field and laboratory samples analyzed for VOCs and SVOCs met surrogate recovery acceptance criteria as defined in Appendix A of the Final SAP Addendum (OTIE, 2021).

2.6 LABORATORY CONTROL SAMPLES (LCS)

The LCS (as %R) met recovery acceptance criteria presented in Appendix A of the Final SAP Addendum (OTIE, 2021). The criteria were augmented with laboratory limits for VOC and SVOC analyses for those analytes for which limits were not provided.

2.7 MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD)

Sample AMCO-X-15-081321 was identified on the COC for MS/MSD for VOCs, SVOCs, and dissolved metals. MS/MSD results were reported for VOCs and dissolved metals only. The MS/MSD was collected and extracted for SVOCs, but not analyzed due to high levels of contamination in parent sample which was reported at a 20x dilution.

All acceptance criteria were met with the following exceptions:

MS/MSD Sample ID	Analyte	Spike Result (µg/L)	QC Criteria	Affected Samples	Validation Qualifier
AMCO-X-15-081321MS/MSD	Bromomethane	16/20%	32-150%	AMCO-X-15-081321	J-/UJ
	Bromodichlorome-thane	61%/--	72-118%	AMCO-X-15-081321	J-/UJ
	Manganese	69/67%	75-125%	AMCO-X-15-081321	None – 4x rule

“--" indicates the parameter was passing and need not be recorded here as an exception.

2.8 INTERNAL STANDARDS

The internal standard areas and retention times reported for VOCs analysis were within QC acceptance limits presented in the USEPA Organic NFG for volatiles and semivolatiles.

2.9 FIELD AND LABORATORY DUPLICATES

Two field duplicates were included in SDG. The corresponding pairs were reported in SDG 2108018. The pairs are summarized below:

Parent Sample	Field Duplicate Sample
AMCO-DUP2-081321 [2108019-01]	AMCO-X-29-081321 [2108018-17]
AMCO-DUP3-081321 [2108019-02]	AMCO-X-25-081321 [2108018-18]

Duplicate relative percent differences (RPDs) are evaluated for values above the quantitation limits because values below the quantitation limits are estimated values. For this field duplicate pair, target compounds detected above the quantitation limit reported RPDs less than 40% as defined in Appendix A of the Final SAP Addendum (OTIE, 2021), with the following exception:

OTIE Sample ID	Analyte	Original Result (µg/L)	Duplicate Sample ID	Duplicate Result (µg/L)	RPD %	Qualifier
AMCO-DUP2-081321	1,1-Dichloroethene	31	AMCO-X-29-081321	36	14.93%	None
AMCO-DUP2-081321	1,2,4-Trimethylbenzene	140	AMCO-X-29-081322	120	15.38%	None
AMCO-DUP2-081321	1,2-Dichlorobenzene	5.3	AMCO-X-29-081323	6.2	15.65%	None
AMCO-DUP2-081321	1,3,5-Trimethylbenzene	38	AMCO-X-29-081324	35	8.22%	None
AMCO-DUP2-081321	1,4-Dioxane	25	AMCO-X-29-081325	23	8.33%	None
AMCO-DUP2-081321	2,4-Dimethylphenol	84	AMCO-X-29-081326	79	6.13%	None
AMCO-DUP2-081321	2-Methylnaphthalene	400	AMCO-X-29-081327	360	10.53%	None
AMCO-DUP2-081321	2-Methylphenol	220	AMCO-X-29-081328	210	4.65%	None
AMCO-DUP2-081321	Acetone	190	AMCO-X-29-081329	170	11.11%	None
AMCO-DUP2-081321	Benzene	5.3	AMCO-X-29-081330	6.1	14.04%	None
AMCO-DUP2-081321	Butylbenzene	6.8	AMCO-X-29-081332	8.6	23.38%	None
AMCO-DUP2-081321	cis-1,2-Dichloroethene	2200	AMCO-X-29-081333	2200	0.00%	None
AMCO-DUP2-081321	Ethylbenzene	23	AMCO-X-29-081334	22	4.44%	None
AMCO-DUP2-081321	Isopropylbenzene	5.2	AMCO-X-29-081335	6	14.29%	None
AMCO-DUP2-081321	m&p-Xylene	96	AMCO-X-29-081336	93	3.17%	None

OTIE Sample ID	Analyte	Original Result (µg/L)	Duplicate Sample ID	Duplicate Result (µg/L)	RPD %	Qualifier
AMCO-DUP2-081321	Naphthalene	89	AMCO-X-29-081337	79	11.90%	None
AMCO-DUP2-081321	Naphthalene	59	AMCO-X-29-081338	56	5.22%	None
AMCO-DUP2-081321	o-Xylene	78	AMCO-X-29-081339	78	0.00%	None
AMCO-DUP2-081321	p-Isopropyltoluene	30	AMCO-X-29-081340	25	18.18%	None
AMCO-DUP2-081321	Propylbenzene	14	AMCO-X-29-081341	16	13.33%	None
AMCO-DUP2-081321	sec-Butylbenzene	4.6	AMCO-X-29-081342	5.4	16.00%	None
AMCO-DUP2-081321	Toluene	420	AMCO-X-29-081343	400	4.88%	None
AMCO-DUP2-081321	trans-1,2-Dichloroethene	2.8	AMCO-X-29-081344	5.4	63.41%	J for both
AMCO-DUP2-081321	Vinyl chloride	33	AMCO-X-29-081345	40	19.18%	None
AMCO-DUP3-081321	1,1-Dichloroethane	28	AMCO-X-25-081321	28	0.00%	None
AMCO-DUP3-081321	1,2,4-Trimethylbenzene	220	AMCO-X-25-081321	190	14.63%	None
AMCO-DUP3-081321	1,2-Dichlorobenzene	69	AMCO-X-25-081321	62	10.69%	None
AMCO-DUP3-081321	1,2-Dichlorobenzene	58	AMCO-X-25-081321	51	12.84%	None
AMCO-DUP3-081321	1,3,5-Trimethylbenzene	75	AMCO-X-25-081321	63	17.39%	None
AMCO-DUP3-081321	1,4-Dioxane	100	AMCO-X-25-081321	92	8.33%	None
AMCO-DUP3-081321	2,4-Dimethylphenol	98	AMCO-X-25-081321	93	5.24%	None
AMCO-DUP3-081321	2-Methylnaphthalene	420	AMCO-X-25-081321	370	12.66%	None
AMCO-DUP3-081321	2-Methylphenol	88	AMCO-X-25-081321	83	5.85%	None
AMCO-DUP3-081321	3&4-Methylphenol	60	AMCO-X-25-081321	57	5.13%	None
AMCO-DUP3-081321	Acetone	580	AMCO-X-25-081321	630	8.26%	None
AMCO-DUP3-081321	Benzene	29	AMCO-X-25-081321	27	7.14%	None
AMCO-DUP3-081321	Chlorobenzene	33	AMCO-X-25-081321	30	9.52%	None
AMCO-DUP3-081321	cis-1,2-Dichloroethene	6500	AMCO-X-25-081321	6300	3.13%	None
AMCO-DUP3-081321	m&p-Xylene	400	AMCO-X-25-081321	340	16.22%	None

OTIE Sample ID	Analyte	Original Result (µg/L)	Duplicate Sample ID	Duplicate Result (µg/L)	RPD %	Qualifier
AMCO-DUP3-081321	Naphthalene	140	AMCO-X-25-081321	120	15.38%	None
AMCO-DUP3-081321	Naphthalene	120	AMCO-X-25-081321	100	18.18%	None
AMCO-DUP3-081321	o-Xylene	230	AMCO-X-25-081321	200	13.95%	None
AMCO-DUP3-081321	p-Isopropyltoluene	38	AMCO-X-25-081321	31	20.29%	None
AMCO-DUP3-081321	Toluene	5100	AMCO-X-25-081321	4500	12.50%	None
AMCO-DUP3-081321	trans-1,2-Dichloroethene	80	AMCO-X-25-081321	52	42.42%	J for both
AMCO-DUP3-081321	Trichloroethene	12	AMCO-X-25-081321	12 UJ	Not Calculable	None
AMCO-DUP3-081321	Vinyl chloride	190	AMCO-X-25-081321	200	5.13%	None

A laboratory duplicate was performed for the ICP preparation batch and met the Final SAP Addendum (OTIE, 2021) Appendix A criteria of 20%.

2.10 Target Compound Identification

All target compound identifications for each method were within validation criteria for relative retention times (RRTs), characteristic ions, and relative ion abundances. It should be noted that the laboratory reported target compound list did not reflect the target compound list presented in Appendix A of the Draft Final SAP (OTIE, 2017) or Final SAP Addendum (OTIE, 2021).

Recalculations of raw data and calibrations were successful with the following exception. The validator was unable to recalculate the linear curve through zero for the ICP/MS data with good precision. The values calculated yielded passing correlation coefficients, but different slopes. The representative sample result recalculated with the new slope showed a delta of 12% from the lab reported value. No qualification was applied based on this finding.

2.11 Tunes

The GC/MS performance tunes (using bromofluorobenzene [BFB] for VOCs and decafluorotriphenylphosphine [DFTPP] for SVOCs) were performed at the proper frequency (once every 24 hours) and met relative ion abundance criteria provided in the laboratory's standard operating procedure (SOP) for this analytical method and as required by the analytical method.

2.12 Method Detection Limits (MDLs) and Reporting Limits (RLs)

Project quantitation limits (PQLs) met project action limits (PALs) for a 1x dilution, with the following exceptions:

- For VOCs, 1,2-Dibromo-3-chloropropane did not meet the PAL of 0.2 ug/L with an MDL of 1 and an RL of 2 for a 1x dilution.
- For SVOCs, in accordance with Appendix A of the Final SAP Addendum (OTIE, 2021) the majority of the requested PQLs do not meet the PALs. Therefore, the lab achieved PQLs met the

requirements of the project plan for a 1x dilution. However, it should be noted that the samples were reported at a 20x dilution.

- For ICP dissolved metals, iron met the QAPP Addendum PQL of 100 ug/L. Mn did not meet the QAPP Addendum PQL (1 vs 5 ug/L) but met the PAL (430 ug/L) so there is no effect on data quality.

2.13 INITIAL CALIBRATION

An initial calibration were performed prior to sample analysis as required by each method and the USEPA NFGs. The relative standard deviations (RSDs) and correlation coefficient (r^2) for linear regression were within acceptance criteria with the following exceptions:

- Batch B21H048, HP5973F, Date: 8/11/21, bromodichloromethane = 29.3%, trans- 1,3-dichloropropene = 21.08%, Bromoform = 22.22%
- Batch B21H057, AG5975D, Date: 8/17/2021, Acetone = 23.41%, dichlorodifluoromethane = 30.18%, dichlorodifluoromethane = 30.18%
- Batch B21H044, AG5977B, Date: 7/19/2021, Out: tert-butyl alcohol (TBA) = 29.54%, acetone = 23.41%
- 2108005 AG5977A on 8/11/21, 2,4-dinitrophenol = 29.15%D, 4-Nitrophenol = 23.93%D
- 2108010 AG5975B on 8/24/21, Hexachlorocyclopentadiene = 24.45%D, di-n-octyl-phthalate = 27.03%D
- 2108012 AG5977A 8/30/21, 2,4-dinitrophenol = 26.35%D
- 219001 AG5975B on 8/31/21, Hexachlorocyclopentadiene = 22.23%D, 2,4-dinitrophenol = 21.71%D, 4,6-Dinitro-2-methylphenol = 34.97 %D, di-n-octyl-phthalate = 24.15%D

The following qualifications resulted:

Calibration	Calibration Date	Analyte	Affected Samples	Validation Qualifier
Batch B21H048 Calibration	8/11/21	Bromodichloromethane trans- 1,3-dichloropropene Bromoform	AMCO-DUP3-081321 [218019-02] AMCO-X-15-081321 [218019-05]	UJ
Batch B21H057 Calibration	8/17/21	acetone dichlorodifluoromethane	AMCO-X-21-081321 [218019-04]	UJ
Batch B21H044 Calibration	7/19/21	acetone TBA	AMCO-X-52-081321-I/D/S [218019-10/11/12]	UJ
2108005	8/11/21	2,4-dinitrophenol 4-Nitrophenol	AMCO-X-13-081321 [2108019-03] AMCO-X-21-081321 [2108019-05]	UJ
2108010	8/31/21	Hexachlorocyclopenta-diene di-n-octyl-phthalate	AMCO-DUP2-081321 [218019-01], AMCO-DUP3-081321 [2108019-01], AMCO-X-15-081321	UJ

Calibration	Calibration Date	Analyte	Affected Samples	Validation Qualifier
			[2108019-05], AMCO-X-33-081321-D/I/S [2108019-06/07/08], and AMCO-MW-02-081321	

Additionally, Initial calibration verifications (ICV) were performed using secondary source standard before sample analyses. The ICV target compound concentrations met the percent (%D) of the expected value and the relative response factors (RRFs) met all QC acceptance criteria, with the following exceptions:

- S20G052-SCV1 had dichlorodifluoromethane out at 140% for batch B21044
- S21H034-SCV1 had naphthalene out at -34.7% for batch B21H047
- S210H064-SCV1 had the following exceedances for calibration 2108010:
    - Bis(2-chloro-1-methylethyl) ether 68%
    - Acenaphthylene 69%
    - 3-Nitroaniline 31%
    - 2,4-Dinitrophenol 67%
    - Diphenyl amine 60%
    - 3,3'-Dichlorobenzidine 39%
- S21H070-SCV1 had 2 exceedances including Bis(2-chloro-1-methylethyl) ether at 66% and 3,3'-Dichlorobenzidine at 67%

The following qualifications resulted:

Initial Calibration Standard	Analyte	Affected Samples	Validation Qualifier
S20G052-SCV1	Dichlorodifluoromethane	AMCO-X-52-081321-PDB-D/I/S [208019-10/-11/-12]	UJ
2108010	Bis(2-chloro-1-methylethyl) ether Acenaphthylene 3-Nitroaniline 2,4-Dinitrophenol Diphenyl amine 3,3'-Dichlorobenzidine	AMCO-DUP2-081321 [218019-01], AMCO-DUP3-081321 [2108019-01], AMCO-X-15-081321 [2108019-05], AMCO-X-33-081321-D/I/S [2108019-06/07/08], and AMCO-MW-02-081321	UJ

2.14 CONTINUING CALIBRATION

The continuing calibration verification (CCV) analysis was performed at the correct frequency and in accordance with the criteria presented in the laboratory SOPs with the following exceptions:

- **S21H048-CCV1@B21H059-BS1** bromomethane at 37.2%D;
- **S21H036-CCV1&B21H048-BS1** with the following exceedances:
  - Bromomethane = 93.2%D
  - TCE = 32.4 %D
  - 12DCPA = 42.3%D
  - Dibromomethane= 34.2%D
- **S21H043-CCV1&B21H056-BS1** with a bromomethane exceedance at 44.9%D
- **Sequence S21H044** 08/18/21, CCV1 = 3,3-Dichlorobenzidine @ 36.0%D
- **Sequence S21H050** 08/19/12, CCV1 = 2,4-Dintrophenol @ 52.0%D, Pentachlorophenol @ 44.8%D
- **Sequence S21H065** 08/25/21, CCV1 = 2,4-Dinitrophenol @ 41.8%D, CCV2 = 2,4-Dinitrophenol @ 39.5%D
- **Sequence S21H061** 08/24/21, CCV1 = 2,4-Dinitrophenol @ 36.1%D
- **Sequence S21H066** 08/25/21, CCV1= 2,4-Dinitrophenol @ 36.1%D, Pentachlorophenol @ 38.3%D, Di-n-octylphthalate @ -30.7%D
- **Sequence S21I018** 09/08/21, CCV1 = Pentachlorophenol @ 46.6%D

The following qualifications resulted:

Continuing Verification Standard	**Analyte**	**Affected Samples**	**Validation Qualifier**
S21H048-CCV1@B21H059-BS1	Bromomethane	AMCO-X-13-081321	UJ
S21H036-CCV1&B21H048-BS1	Bromomethane, Trichloroethene, 1,2-Dichloropropane, Dibromomethane	AMCO-DUP3-081321[2108019-02] AMCO-X-15-081321 [2108019-05RE1]	J/UJ
S21H043-CCV1&B21H056-BS1	Bromomethane	AMCO-MW-02-081321[218019-09]	UJ
S21H065-CCV2	2,4-Dinitrophenol	AMCO-DUP2-081321 [218019-01], AMCO-DUP3-081321 [2108019-01], AMCO-X-15-081321 [2108019-05], AMCO-X-33-081321-D/I/S [2108019-06/07/08], and AMCO-MW-02-081321	UJ
S21H066-CCV1	2,4-Dinitrophenol, Pentachlorophenol, Di-n-octyl phthalate	AMCO-X-13-081321 [2108019-03] and AMCO-X-21-081321 [2108019-05]	UJ

Overall assessment of Data

Overall, the data as qualified are valid and usable based on the intended purpose of the project. Data validation qualifiers are summarized in the following table.

OTIE Sample ID	Analyte	Qualifier	Qualification Code Reference
AMCO-X-52-081321-PDB-I	Acetone	4.0 U	B6
AMCO-X-52-081321-PDB-D	Acetone	4.0 U	B6
AMCO-X-15-081321	Toluene	10 U	B6
AMCO-X-15-081321	Bromodichloromethane	UJ	M3
AMCO-X-15-081321	Bromomethane	UJ	M3
AMCO-DUP2-081321	Trans-1,2-dichloroethene	J	B7
AMCO-DUP3-081321	Trans-1,2-dichloroethene	J	B7
AMCO-DUP3-081321 AMCO-X-15-081321	Bromodichloromethane, Trans, 1,3-dichloropropene, bromoform	UJ	I4
AMCO-X-52-081321-I AMCO-X-52-081321-D AMCO-X-52-081321-S	Acetone TBA	UJ	I4
AMCO-X-21-081321	acetone dichlorodifluoromethane	UJ	I4
AMCO-X-13-081321 AMCO-X-21-081321	2,4-dinitrophenol 4-Nitrophenol	UJ	I4
AMCO-DUP2-081321 AMCO-DUP3-081321 AMCO-X-15-081321 AMCO-X-33-081321-D AMCO-X-33-081321-I AMCO-X-33-081321-S	Hexachlorocyclopenta-diene di-n-octyl-phthalate	UJ	I4
AMCO-X-52-081321-PDB-D AMCO-X-52-081321-PDB-I AMCO-X-52-081321-PDB-S	Dichlorodifluoromethane	UJ	C4
AMCO-DUP2-081321 AMCO-DUP3-081321 AMCO-X-15-081321 AMCO-X-33-081321-D AMCO-X-33-081321-I AMCO-X-33-081321-S AMCO-MW-02-081321	Bis(2-chloro-1-methylethyl) ether Acenaphthylene 3-Nitroaniline 2,4-Dinitrophenol Diphenyl amine 3,3'-Dichlorobenzidine	UJ	C4
AMCO-X-13-081321	Bromomethane	UJ	C4

OTIE Sample ID	Analyte	Qualifier	Qualification Code Reference
AMCO-DUP3-081321 AMCO-X-15-081321	Bromomethane Trichloroethene 1,2-Dichloropropane Dibromomethane	J/UJ	C4
AMCO-MW-02-081321	Bromomethane	UJ	C4
AMCO-DUP2-081321 AMCO-DUP3-081321 AMCO-X-15-081321 AMCO-X-33-081321-D AMCO-X-33-081321-I AMCO-X-33-081321-S AMCO-MW-02-081321	2,4-Dinitrophenol	UJ	C4
AMCO-X-13-081321 AMCO-X-21-081321	2,4-Dinitrophenol, Pentachlorophenol, Di-n-octyl phthalate	UJ	C4

Qualification Code Reference	Explanation of Infraction
B6	Trip Blank Infraction (Qualified Detect)
B7	Field Blank Infraction (Qualified Detect)
M3	MS/MSD percent recovery Infraction with Low Bias
I4	Initial Calibration %RSD, r or r2 Value Infraction
C4	ICV/CCV Infraction with Low Bias

3.0 REFERENCES

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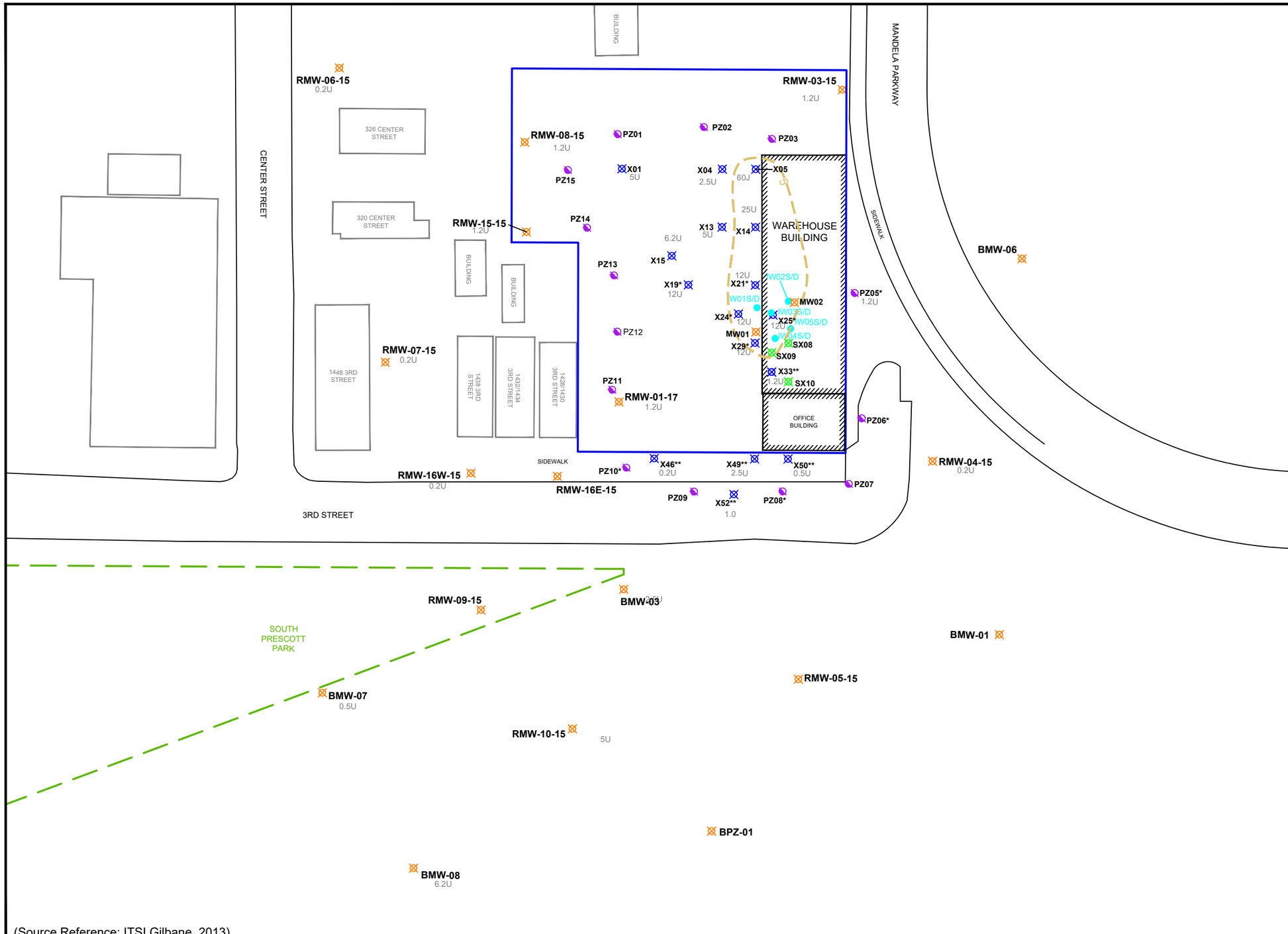
APPENDIX D

2019 Groundwater Plume Figures



(Source Reference: ITSI Gilbane, 2013)

LEGEND

- Dual Phase Extraction (DPE) Well
- Vadose Zone Monitoring Point
- Groundwater Monitoring Well
- Injection Well
- Piezometer
- Former AMCO Chemical Facility Boundary
- 0.2U Tetrachloroethene Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs

2) (*) Indicates well is screened through the shallow and intermediate zones.

3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.

4) Wells with no data shown were not sampled.

5) Screening level, based on California Maximum Contaminant Level (MCL) value, for Tetrachloroethene is 5 ug/L.

6) ug/L = micrograms per liter
   ft bgs = feet below ground surface

60' 0' 60'
SCALE IN FEET

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AMCO Chemical Superfund Site
Oakland, California

Figure 19
2019 Tetrachloroethene Concentration Map
(Shallow Groundwater Zone)

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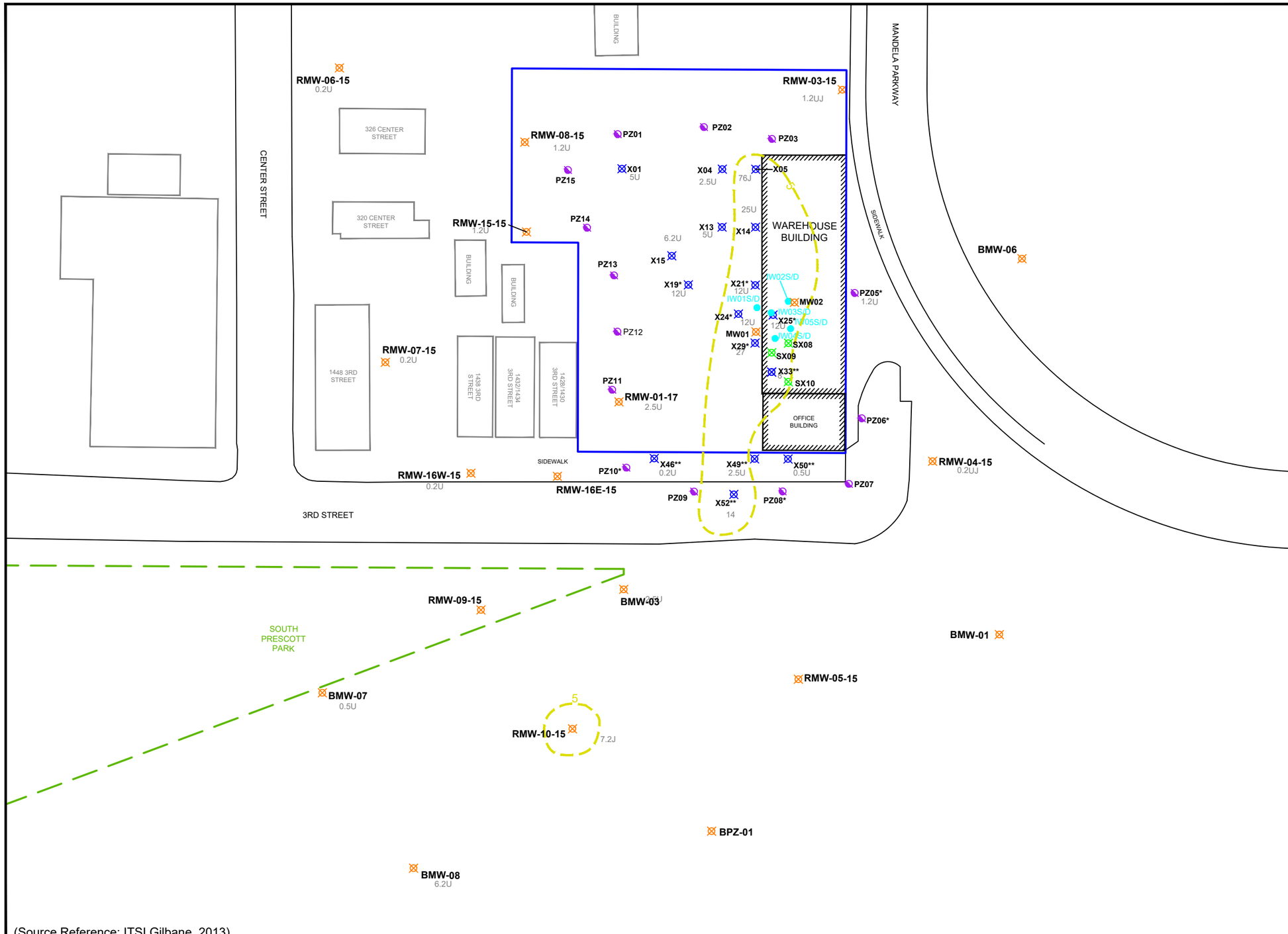

(Source Reference: ITSI Gilbane, 2013)

LEGEND

- Dual Phase Extraction (DPE) Well
- Vadose Zone Monitoring Point
- Groundwater Monitoring Well
- Injection Well
- Piezometer
- Former AMCO Chemical Facility Boundary
- 0.2U Trichloroethene Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs

2) (*) Indicates well is screened through the shallow and intermediate zones.

3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.

4) Wells with no data shown were not sampled.

5) Screening level, based on California Maximum Contaminant Level (MCL) value, for Trichloroethene is 5 ug/L.

6) ug/L = micrograms per liter
   ft bgs = feet below ground surface

60' 0' 60'
SCALE IN FEET

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Figure 20
2019 Trichloroethene Concentration Map
(Shallow Groundwater Zone)

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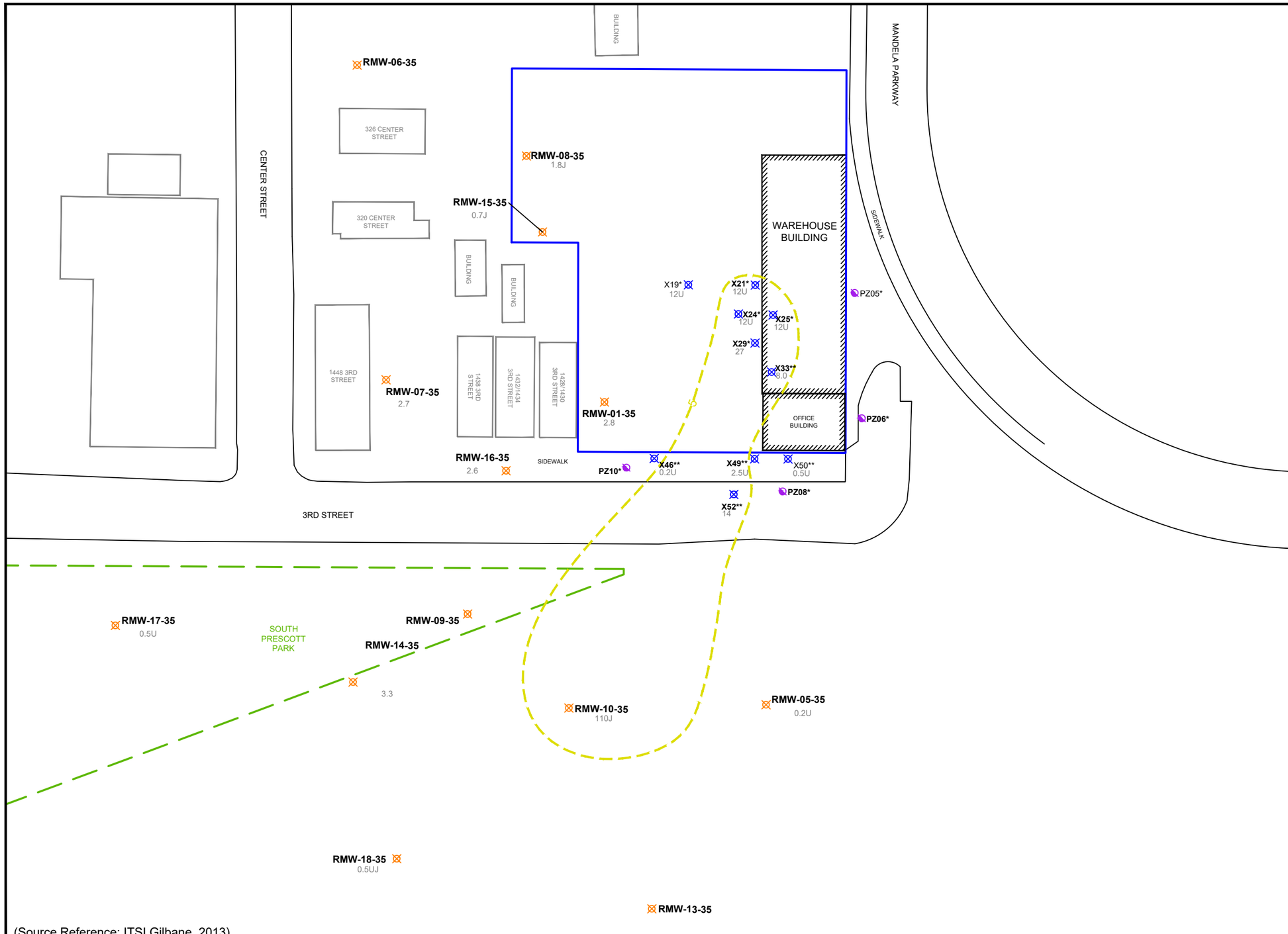

(Source Reference: ITSI Gilbane, 2013)

LEGEND

- Dual Phase Extraction (DPE) Well
- Groundwater Monitoring Well
- Former AMCO Chemical Facility Boundary
- 5.7 Trichloroethene Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs
2) (*) Indicates well is screened through the shallow and intermediate zones.
3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.
4) Wells with no data shown were not sampled.
5) Screening level, based on California Maximum Contaminant Level (MCL) value, for Trichloroethene is 5 ug/L.
6) ug/L = micrograms per liter
   ft bgs = feet below ground surface

60' 0' 60'
SCALE IN FEET

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Oakland, California

Figure 21
2019 Trichloroethene Concentration Map
(Intermediate Groundwater Zone)

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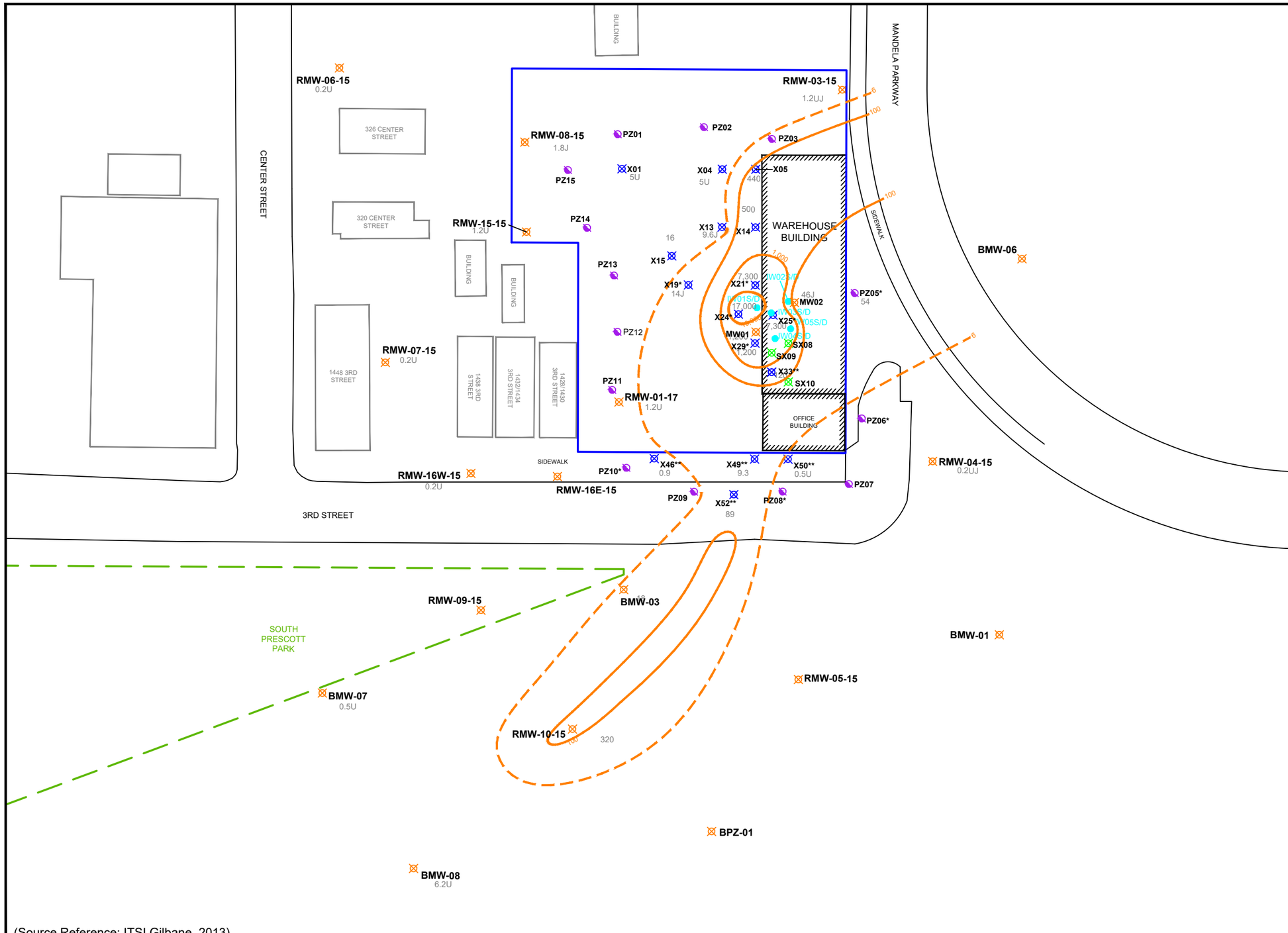

(Source Reference: ITSI Gilbane, 2013)

LEGEND

- Dual Phase Extraction (DPE) Well
- Vadose Zone Monitoring Point
- Groundwater Monitoring Well
- Injection Well
- Piezometer
- Former AMCO Chemical Facility Boundary
- 0.2U Cis-1,2-Dichloroethene Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs

2) (*) Indicates well is screened through the shallow and intermediate zones.

3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.

4) Wells with no data shown were not sampled.

5) Screening level, based on California Maximum Contaminant Level (MCL) value, for *cis*-1,2-dichloroethene is 6 ug/L.

6) ug/L = micrograms per liter
   ft bgs = feet below ground surface

60' 0' 60'
SCALE IN FEET

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Figure 22
2019 Cis-1,2-Dichloroethene Concentration Map
(Shallow Groundwater Zone)

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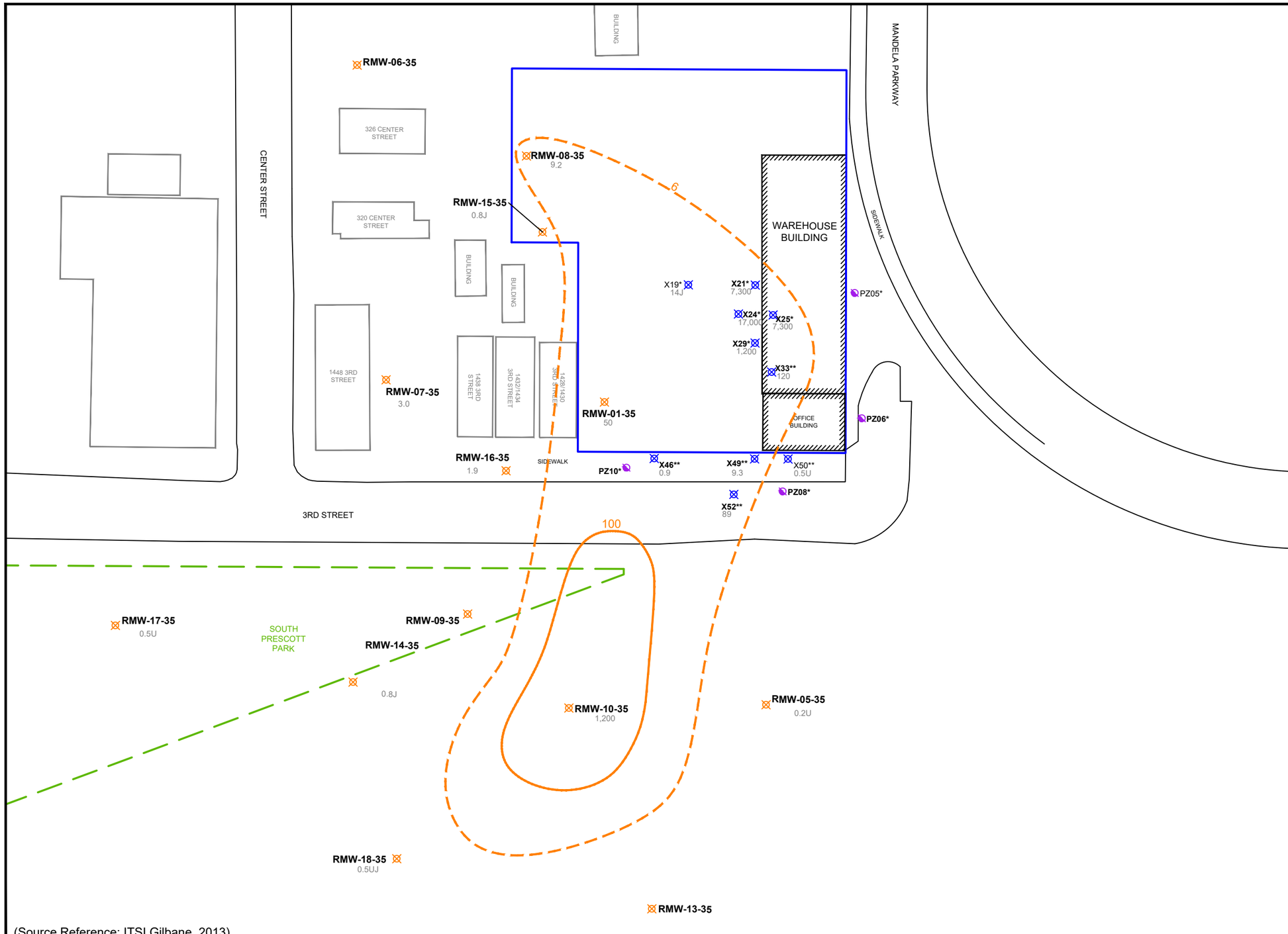

(Source Reference: ITSI Gilbane, 2013)

LEGEND

- Dual Phase Extraction (DPE) Well
- Groundwater Monitoring Well
- Former AMCO Chemical Facility Boundary
- 37 Cis-1,2-Dichloroethene Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs

2) (*) Indicates well is screened through the shallow and intermediate zones.

3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.

4) Wells with no data shown were not sampled.

5) Screening level, based on California Maximum Contaminant Level (MCL) value, for *cis*-1,2-dichloroethene is 6 ug/L.

6) ug/L = micrograms per liter
   ft bgs = feet below ground surface

60' 0' 60'
SCALE IN FEET

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Figure 23
2019 Cis-1,2-Dichloroethene Concentration Map
(Intermediate Groundwater Zone)

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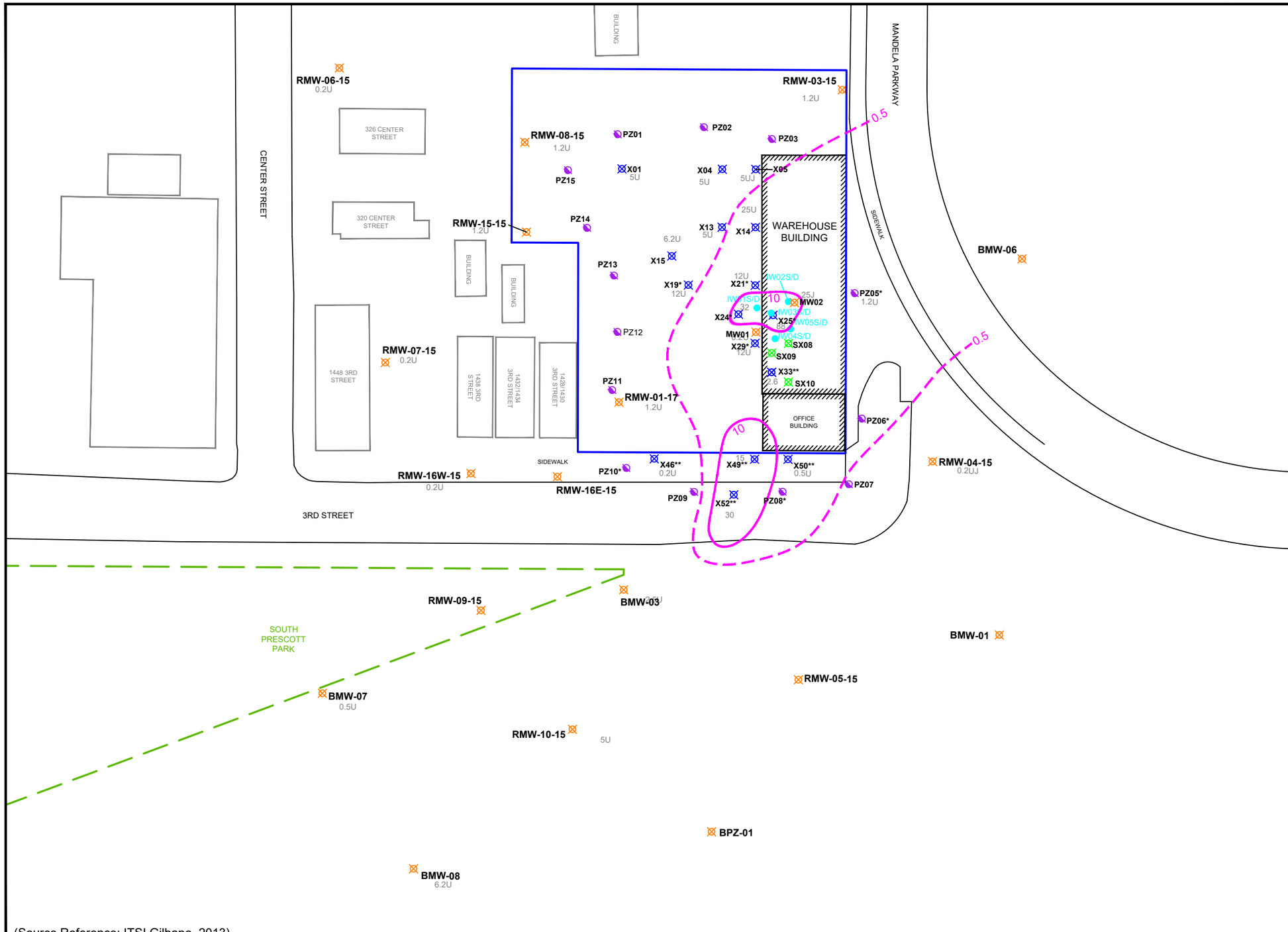

(Source Reference: ITSI Gilbane, 2013)

LEGEND

- Dual Phase Extraction (DPE) Well
- Vadose Zone Monitoring Point
- Groundwater Monitoring Well
- Injection Well
- Piezometer
- Former AMCO Chemical Facility Boundary
- 0.2U Vinyl Chloride Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs
2) (*) Indicates well is screened through the shallow and intermediate zones.
3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.
4) Wells with no data shown were not sampled.
5) Screening level, based on California Maximum Contaminant Level (MCL) value, for Vinyl Chloride is 0.5 ug/L.
6) ug/L = micrograms per liter
   ft bgs = feet below ground surface

60' 0' 60'
SCALE IN FEET

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Oakland, California

Figure 24
2019 Vinyl Chloride Concentration Map
(Shallow Groundwater Zone)

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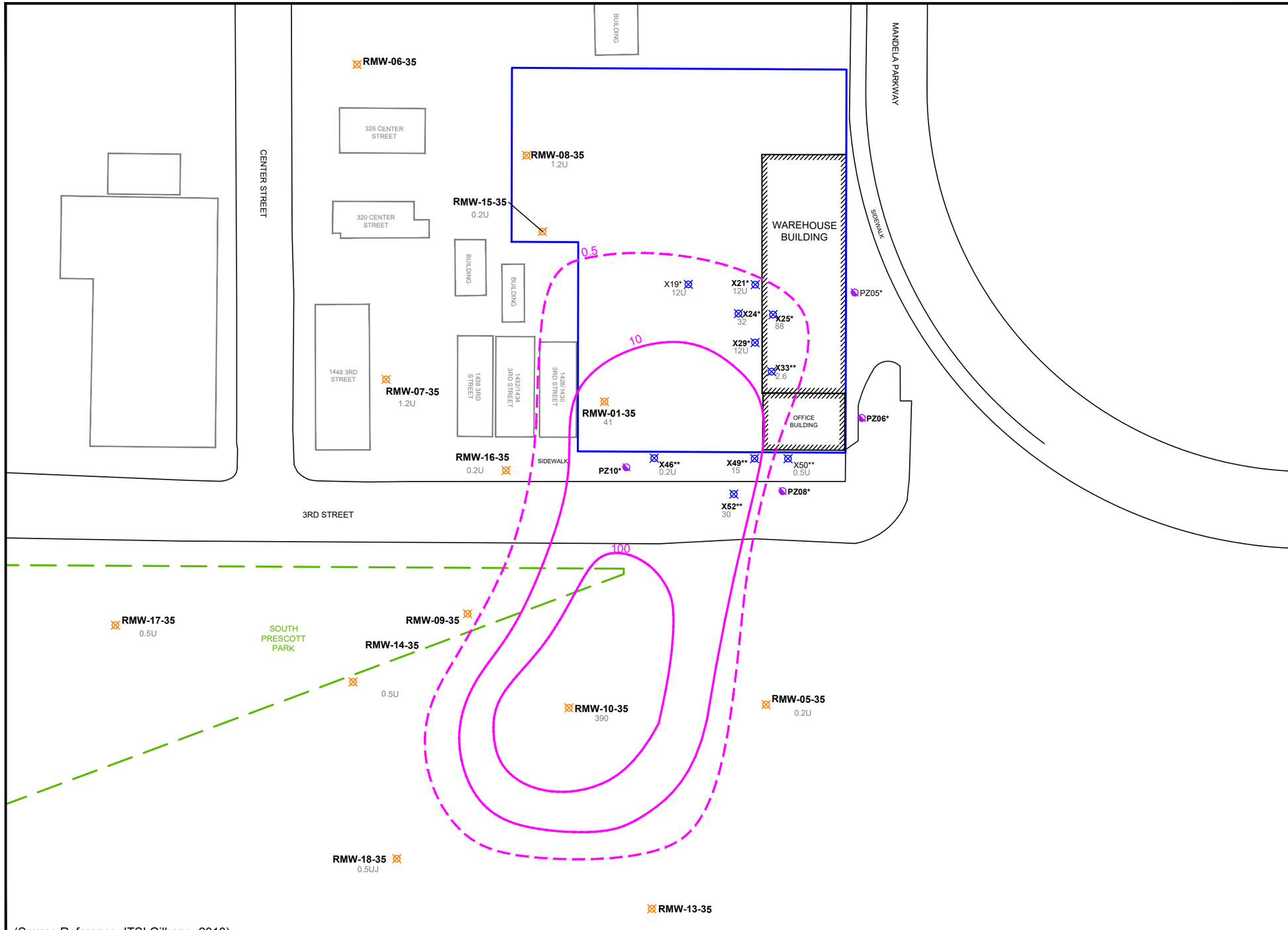

(Source Reference: ITSI Gilbane, 2013)

LEGEND

- Dual Phase Extraction (DPE) Well
- Groundwater Monitoring Well
- Former AMCO Chemical Facility Boundary
- 5.2 Vinyl Chloride Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs
2) (*) Indicates well is screened through the shallow and intermediate zones.
3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.
4) Wells with no data shown were not sampled.
5) Screening level, based on California Maximum Contaminant Level (MCL) value, for Vinyl Chloride is 0.5 ug/L.
6) ug/L = micrograms per liter
   ft bgs = feet below ground surface

60' 0' 60'
SCALE IN FEET

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AMCO Chemical Superfund Site
Oakland, California

Figure 25
2019 Vinyl Chloride Concentration Map
(Intermediate Groundwater Zone)

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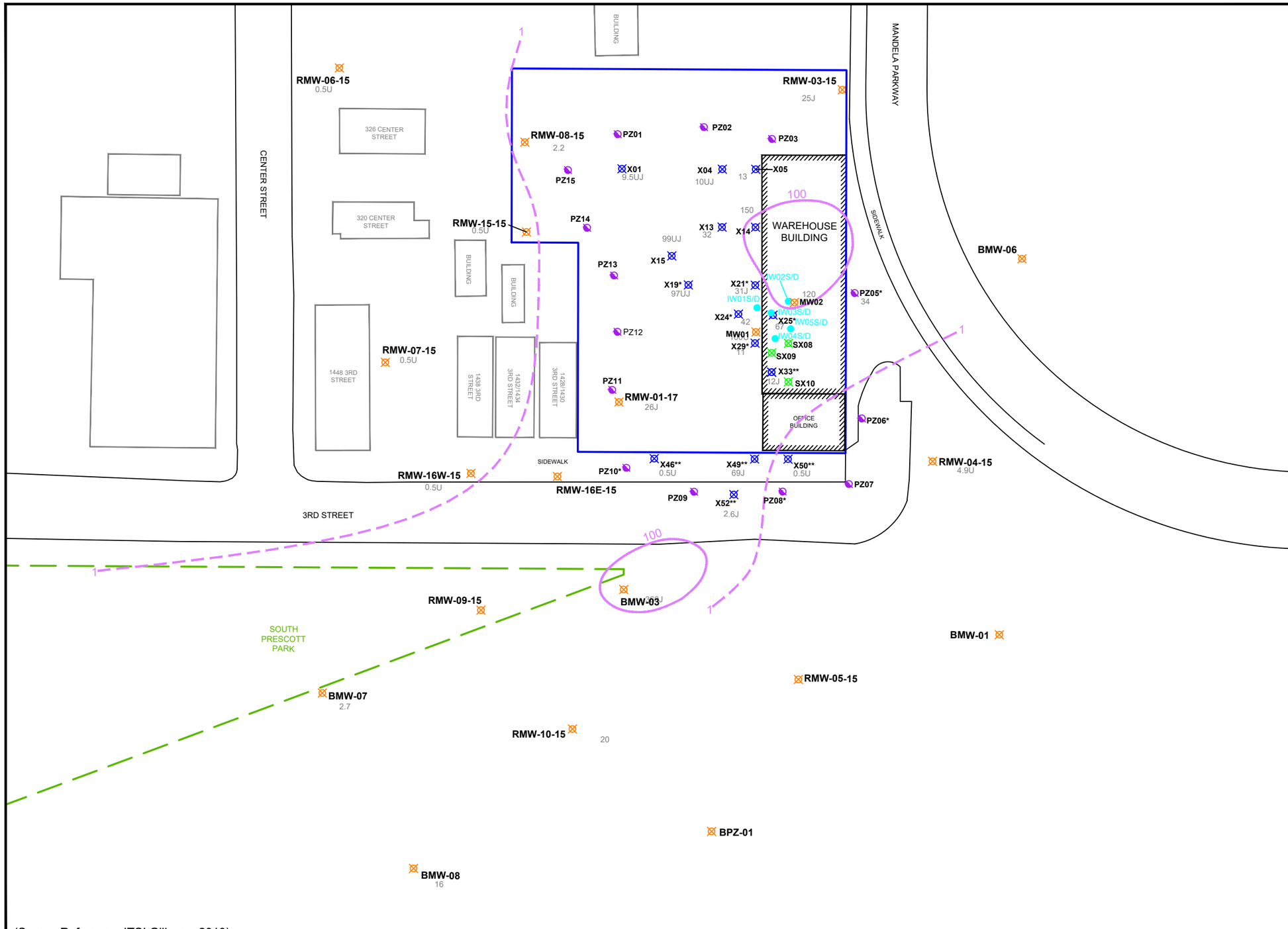

(Source Reference: ITSI Gilbane, 2013)

LEGEND

- Dual Phase Extraction (DPE) Well
- Vadose Zone Monitoring Point
- Groundwater Monitoring Well
- Injection Well
- Piezometer
- Former AMCO Chemical Facility Boundary
- 34 1,4-Dioxane Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs

2) (*) Indicates well is screened through the shallow and intermediate zones.

3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.

4) Wells with no data shown were not sampled.

5) Based on State Water Resources Control Board, Division of Drinking Water, the California Notification Level for 1,4-Dioxane is 1 ug/L.

6) ug/L = micrograms per liter
   ft bgs = feet below ground surface

60' 0' 60'
SCALE IN FEET

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Oakland, California

Figure 29
2019 1,4-Dioxane Concentration Map
(Shallow Groundwater Zone)

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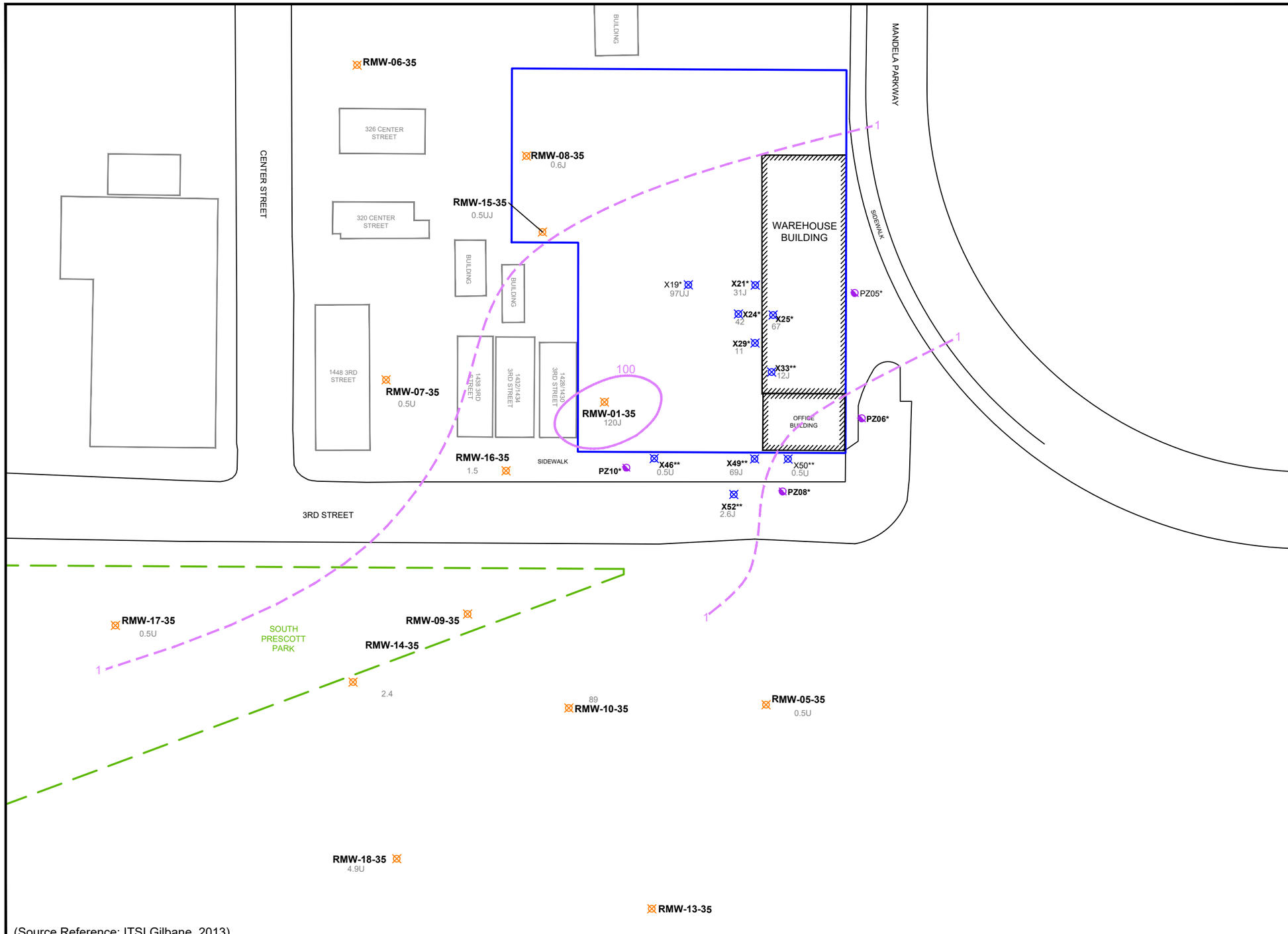

(Source Reference: ITSI Gilbane, 2013)

LEGEND

- Dual Phase Extraction (DPE) Well
- Groundwater Monitoring Well
- Former AMCO Chemical Facility Boundary
- 5.6 1,4-Dioxane Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs
2) (*) Indicates well is screened through the shallow and intermediate zones.
3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.
4) Wells with no data shown were not sampled.
5) Based on State Water Resources Control Board, Division of Drinking Water, the California Notification Level for 1,4-Dioxane is 1 ug/L.
6) ug/L = micrograms per liter
   ft bgs = feet below ground surface

60' 0' 60'
SCALE IN FEET

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Figure 30
2019 1,4-Dioxane Concentration Map
(Intermediate Groundwater Zone)

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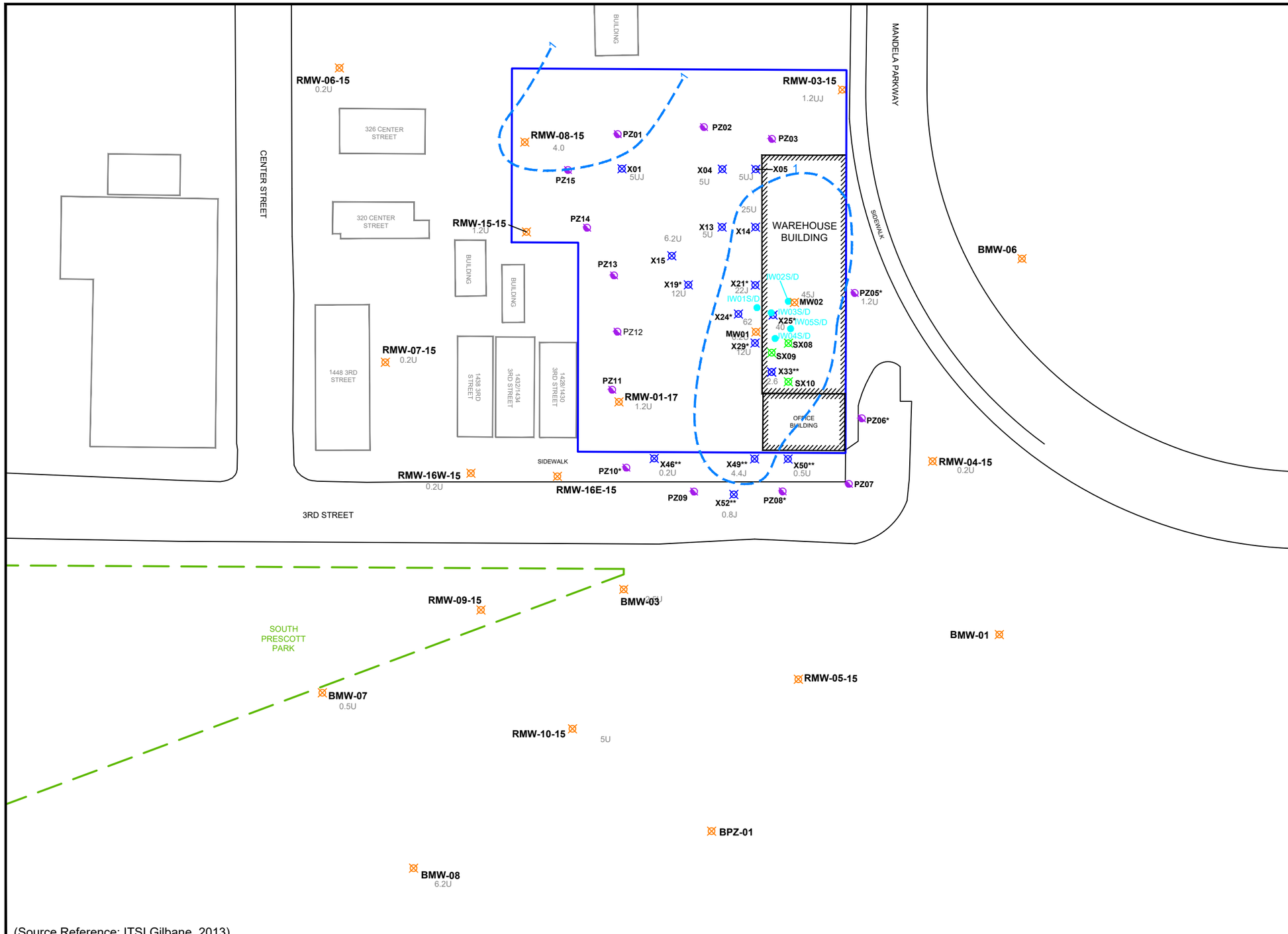

(Source Reference: ITSI Gilbane, 2013)

LEGEND

- Dual Phase Extraction (DPE) Well
- Vadose Zone Monitoring Point
- Groundwater Monitoring Well
- Injection Well
- Piezometer
- Former AMCO Chemical Facility Boundary
- 0.2U Benzene Concentration (ug/L)
- Estimated Concentration Contour (ug/L)

NOTES

1) Groundwater Zones
   - Shallow = 3 to 25 ft bgs
   - Intermediate = 25 to 40 ft bgs
   - Deep = 40 to 80 ft bgs

2) (*) Indicates well is screened through the shallow and intermediate zones.

3) (**) Indicates well is screened through the shallow, intermediate, and deep zones.

4) Wells with no data shown were not sampled.

5) Screening level, based on California Maximum Contaminant Level (MCL) value, for Benzene is 1 ug/L.

6) ug/L = micrograms per liter
   ft bgs = feet below ground surface

60' 0' 60'
SCALE IN FEET

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Figure 31
2019 Benzene Concentration Map
(Shallow Groundwater Zone)

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