January 13, 2023

Councilmember Marqueece Harris-Dawson
Planning and Land Use Management Committee
Attn: Candy Rosales, City Clerk
200 North Spring Street, Los Angeles, California 90012
Email: clerk.plumcommittee@lacity.org; candy.rosales@lacity.org

Re: Active LARWQCB Investigation of Santa Fe Art Colony Site (CF 22-0652)

Dear Councilmember Harris Dawson and PLUM Committee Members:

My name is Sylvia Tidwell, and I was a resident at the Santa Fe Art Colony for approximately 24 years. I am writing to urge the Committee to postpone or deny the proposed project until the Applicant completes sufficient environmental analysis of the project site, and until the Los Angeles Regional Water Quality Resources Control Board ("LARWQCB," or "The Water Board") concludes its investigation of the site.

On May 20, 2022, The Water Board issued Investigative Order R4-2022-0165 requiring the owner to submit all technical and monitoring reports.[1] Based on recent testing results, The Water Board issued an order on December 22, 2022 – less than a month ago – requiring the owner to provide a "comprehensive Vapor Intrusion Assessment Work Plan ***for all buildings*** onsite …" by February 28, 2023. (emphasis added).[2]

Given environmental reports as recent as July-October, 2022, of VOC contamination at the existing residences on the Santa Fe Art Colony property and at the warehouse slated for redevelopment as residences, given historic reports of vapor intrusion and/or contamination at the existing residences and the warehouse, and given the property's proximity to an open toxic remediation case,[3] it is irresponsible to approve the project pursuant to a Class 32 exemption from the California Environmental Quality Act ("CEQA") before the Water Board completes its investigation and before the owner demonstrates that the site is safe for residential use. It is well established that CEQA exemptions are inappropriate where the property is contaminated with hazardous substances or where there are unusual circumstances relating to the site or the project.

Because the Water Board's investigation of the scope of hazardous substances at the project site is ongoing, it is inappropriate to exempt the warehouse redevelopment project from further environmental review at this juncture. Recent testing at the site indicates that it is not safe for

[1] A copy of the Order is attached as Exhibit A.
[2] LARWQCB, *Review of Indoor Air Sampling Report Pursuant to California Water Code Section 13267 Order*, December 22, 2022. A copy is attached as Exhibit B.
[3] *See* May 20, 2022, *Letter from LARWQCB to Chris Macconnell* (referencing an open case at 2305 South Santa Fe Avenue, immediately adjacent to the project site). The letter is attached as Exhibit C.

residential use, as described below. For this reason, we urge this Committee to put the safety of our community first, and deny the project until the Applicant can demonstrate that the property is safe, and until the Water Board concludes its investigation. I have attached a few reports for your reference, described below. Additional documents pertaining to the Water Board's open case (T10000018726) are available here.

- **October 25, 2022 GESI Report of Indoor Air Sampling Results[4]**
  - Samples were collected from 17 existing residential units and 3 outdoor ambient air locations on the project site, in the immediate proximity of the proposed warehouse redevelopment. (pg. 6).
  - Indoor air sampling detected concentrations of benzene, ethylbenzene, and PCE exceeding the Department of Toxic Substances Control's modified Screening Levels for Indoor Air in a Residential Setting ("DTSC-SL") and the Regional Water Quality Control Board San Francisco Bay Region's Environmental Screening Levels ("RWQCB-SFR-SL"). (pg. 6).
  - Detected concentrations of benzene (4.2 – 44.0x the DTSC-SL), ethylbenzene (1.3 - 4.6x the RWQCB-SFR-ESL), and tetrachloroethene ("PCE") (5.8 -9.1x the DTSC-SL) exceed the acceptable screening levels and cancer risk thresholds and "present a significant health risk for residents." (pg. 6-8).
  - Outdoor ambient air samples detected benzene at levels that exceed screening levels for residential indoor air. (See Table 2).
  - This indicates that the contamination is not limited to the existing residential structures on the project site. (See Table 2).

- **July 21, 2022 AEI Sub-Slab Depressurization System Performance Report[5]**
  - Air samples from the roof of the proposed warehouse redevelopment project grossly exceed residential ESLs. (Table 1, EKI Environment & Water's July 19, 2022 Summary of Indoor and Outdoor Air Sample and Analytical Results for VOCs). EKI did not take indoor air samples of the warehouse during the July 2022 evaluation, and relied instead on data from 2019.
  - Indoor Air Samples taken in 2019 contained PCE in concentrations above the acceptable *residential* thresholds. AEI's Sub Slab Depressurization Report references commercial, instead of the lower residential thresholds in evaluating indoor air quality of the warehouse. However, because the warehouse will be repurposed for residences, this mischaracterizes the nature of the threat. See Sample IA-4, taken from within the warehouse property and which contained PCE above the residential threshold for PCE. (See Exhibit E-1 – E-2).
  - AEI's July 2022 Sub Slab Depressurization Report relies on the reports above to draw conclusions, despite the lack of additional indoor air testing within the warehouse and the high concentrations of PCE taken from the roof of the warehouse in 2022. (See Exhibit E-3).

[4] A copy of this report is attached as Exhibit D.
[5] Due to size, I have attached excerpts from this report as Exhibit E. The full report is available here.

Based on this, it is clear that additional environmental review is required to ensure the safety of current and future residents. For this reason, I urge this Committee to delay approval of this project until the Water Board investigation is complete and until the project is subject to comprehensive environmental analysis.

Sincerely,

Sylvia Tidwell

600 Moulton Ave. #306
Los Angeles, CA 90031
(310) 663-6665
sylvia@sylviatidwell.net

EXHIBIT A

INVESTIGATIVE ORDER NO. R4-2022-0165

CALIFORNIA WATER CODE SECTION 13267 ORDER
ORDER TO PROVIDE TECHNICAL AND MONITORING REPORTS FOR SUBSURFACE INVESTIGATION
AND
RESPONSE TO THE QUESTIONNAIRE FOR INFORMATION ON HAZARDOUS MATERIALS AND WASTE USES OR STORAGE

DIRECTED TO
ART COLONY PROPERTY LLC
C/O FIFTEEN GRP CHRIS MACCONNELL

SANTA FE ART COLONY
2345-2421 S. SANTA FE AVENUE, LOS ANGELES, CA. 90058
(SCP NO. 1557)

ON
MAY 20, 2022

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board) makes the following findings and issues this Order pursuant to California Water Code (CWC) Section 13267 requiring Art Colony Property LLC to further investigate the site located at 2345-2421 S. Santa Fe Avenue (the Site).

1. The Santa Fe Art Colony (Site) consists of five buildings historically used as warehouses, four of which were converted to residential use, located at 2345-2421 S. Santa Fe Avenue in Los Angeles. All four of the residential facilities are currently occupied. The Santa Fe Art Colony is bounded on the north by a clothing warehouse, on the west by a recycling center, on the south by industrial/commercial properties, and on the east by Santa Fe Avenue.

   A subsurface soil investigation report dated September 21, 2020, titled “Phase II Subsurface Investigation” by Fulcrum Resources Environmental reported elevated levels of volatile organic compounds (VOCs), including tetrachloroethylene (PCE), and trichloroethylene (TCE), beneath the northern section of the property. Elevated levels of PCE ranged from 500 ug/m^3 to 74,100 ug/m^3 while elevated TCE levels ranged from 15 ug/m^3 to 1,920 ug/m^3. The investigation also noted that in 2019 the

Site installed a sub-slab depressurization system that has been operating to mitigate elevated concentrations of VOCs in indoor air.

An environmental assessment report dated May 24, 2017, titled “Phase II Environmental Site Assessment Report” by EFI Global indicated that the former industrial operations occupied the Site during the 1920's-1970's typically involved the use of chlorinated solvents, metals, and other hazardous materials.

2. California Water Code (CWC) Section 13267, subdivision (b)(1) states, in part:

> “In conducting an investigation specified in subdivision (a), the regional board may require that any person who has discharged, discharges, or is suspected of having discharged or, discharging, or who proposes to discharge waste within its region, or any citizen or domiciliary, or political agency or entity of this state who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge waste outside of its region that could affect the quality of waters within its region shall furnish, under penalty of perjury, technical or monitoring program reports which the regional board requires. The burden, including costs, of these reports shall bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports. In requiring those reports, the regional board shall provide the person with a written explanation with regard to the need for the reports, and shall identify the evidence that supports requiring that person to provide the reports.”

3. The Regional Board has evidence from recent site assessment activities conducted North of the subject location, at 2305 S. Santa Fe Ave, that there is or has been a potential for discharge of waste at the 2305 S. Santa Fe Ave location. These assessments of the northern parcel, record concentrations of waste at eight sampling locations on the Santa Fe Art Colony. Art Colony Property LLC has been identified as the owner of this property. A previous 2017 environmental site assessment for the Santa Fe Art Colony had waste recorded at 30 sampling locations throughout the Site. The evidence supporting this requirement includes data provided by:

   a. Fulcrum Resources Environment, Inc.: A subsurface investigation, dated September 21st, 2020, indicated elevated levels of PCE and TCE in soil vapor at 5, 10, and 25 feet (ft) below ground surface (bgs) at eight sampling locations within the Santa Fe Art Colony. PCE was detected in all 24 soil vapor samples within the Art Colony. The maximum concentration of PCE (74,100 ug/m^3) in soil vapor came from a location along the northeastern area of the property. TCE was detected in 14 of the 24 soil vapor samples at a maximum concentration of 1,920 ug/m^3. The

2019 San Francisco Bay Regional Water Quality Control Board Environmental Screening levels (ESLs) in soil gas for PCE in residential and commercial/industrial air are 15 ug/m^3 and 67 ug/m^3 respectively. All PCE soil vapor samples exceeded both ESLs. The TCE ESLs for residential and commercial/industrial air are 16 ug/m^3 and 100 ug/m^3 respectively, of which 8 soil vapor samples that detected TCE exceeded both.

The subsurface investigation included a soil boring directly North of the Santa Fe Art Colony parcel (2305 S. Santa Fe Ave) to 182 ft bgs. Deeper drilling was not possible due to cobbles. Groundwater was not encountered and its potential for impact to groundwater was not assessed for 2305 S. Santa Fe Ave or the Santa Fe Art Academy.

b. EFI Global, Inc.: An Environmental Site Assessment for the Santa Fe Art Colony, dated May 24th, 2017, collected, and analyzed soil and soil vapor locations in order to determine potential subsurface impact related to former industrial site operations. PCE was detected in all 30 soil vapor samples collected across the site. The maximum concentration of PCE (205,140 ug/m^3) in soil vapor came from a location along the northwestern portion of the property boundary line. TCE was detected in 16 of the 30 soil vapor samples at a maximum concentration of 720 ug/m^3. A vapor intrusion risk assessment modeling showed an elevated cancerous and noncancerous risks existed for residential use, while an elevated cancerous risk existed for commercial use. The results of soil sampling did not indicate a source area in soil for the elevated concentrations of VOCs in soil vapor at the site. The report recommended additional soil sampling on the site to determine whether a source area in soil exists on the site. Additionally, the report recommended indoor air sampling be conducted.

4. The Regional Board considers the Art Colony Property site as a suspected source of waste releases due to historical use of the site. This Order identifies Art Colony Property LLC, the property owner, in care of FIFTEEN GRP (Fifteen Group) under Chris Macconnell, as the responsible party.

5. This Order requires the persons/entities named herein to submit technical and/or environmental assessment reports to provide additional information regarding the subsurface contamination identified at/near the Site. You are expected to submit complete reports as required by this Order. The Regional Board may reject the reports if they are deemed incomplete and/or require revisions to the report under this Order.

6. The burdens, including costs, of these reports bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports. The information

is necessary to protect human health and the environment and adequately determine the extent of discharges of waste at and from the Santa Fe Art Colony site, to assure adequate cleanup of the Santa Fe Art Colony site, if necessary, and to assure that discharges of waste that could impact water quality will be addressed. The technical report required by this Order may cost in the range of $2,000-3,000 depending upon the work required.

7. The issuance of this Order is an enforcement action by a regulatory agency and is categorically exempt from the provisions of the California Environmental Quality Act (CEQA) pursuant to California Code of Regulations, title 14, section 15321, subdivision (a)(2).

   This Order requires submittal of technical reports. The scope of activities required to prepare the reports required by this Order are records searching, compiling, and reporting. It is unlikely that compliance with this Order could result in any physical changes to the environment. If the implementation of this Order may result in significant impacts on the environment, the appropriate lead agency will address the CEQA requirements prior to approval of any work plan.

8. Any person aggrieved by this action of the Regional Water Board may petition the State Water Resources Control Board (State Water Board) to review the action in accordance with California Water Code section 13320 and California Code of Regulations, title 23, sections 2050 and following. The State Water Board must receive the petition by 5:00 p.m., 30 days after the date of this Order, except that if the thirtieth day following the date of this Order falls on a Saturday, Sunday, or state holiday, the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the Internet at: http://www.waterboards.ca.gov/public_notices/petitions/water_quality or will be provided upon request.

THEREFORE, IT IS HEREBY ORDERED that Art Colony Property LLC, pursuant to Water Code section 13267, subdivision (b), is required to submit the following by June 30th, 2022:

1. Any environmental assessment and technical reports for the Site that have been produced to date, including, but not limited to:

   a. Environmental Phase I and Phase II reports;

   b. Indoor air sampling reports;

c. Sub-slab depressurization system installation reports and subsequent monitoring data;

d. Locations of any current and former clarifiers, sumps, chemical storage areas, paint booths, tanks, plating, or any waste treatment/discharge areas. Those locations and building(s) must be presented on a scaled facility map;

e. Reports with a description of current and historical business and facility operations at the site and/or documentation of previous soil, soil vapor, wastewater, and/or groundwater investigation/cleanup conducted at the site. Also, any historical spill and mitigation records must be included, that are not included in the reports referenced in a. above.

f. Complete the attached Chemical Storage and Use Questionnaire (Attachment 1);

The above items shall be submitted to:

Jonatan Velasquez
Los Angeles Regional Water Quality Control Board
320 West 4th Street, Suite 200
Los Angeles, CA 90013
Phone: (213) 576-6633
Email: jonatan.velasquez@waterboards.ca.gov

1. Pursuant to Water Code section 13268, subdivision (a), any person who fails to submit reports in accordance with the Order is guilty of a misdemeanor. Pursuant to Water Code section 13268, subdivision (b)(1), failure to submit the required technical report described above by the specified due date(s) may result in the imposition of administrative civil liability by the Regional Board in an amount up to one thousand dollars ($1,000) per day for each day the technical report is not received after the above due date. These civil liabilities may be assessed by the Regional Board for failure to comply, beginning with the date that the violations first occurred, and without further warning.

2. The State Water Resources Control Board adopted regulations (California Code of Regulations, title 23, sections 3891 et seq.) requiring the electronic submittals of information (ESI) for all site cleanup programs, starting January 1, 2005. Currently, all of the information on electronic submittals and GeoTracker contacts can be found on the Internet at the following link: http://www.waterboards.ca.gov/ust/electronic_submittal/index.shtml.

3. To comply with the above referenced regulation, you are required to upload all technical reports, documents, and well data to GeoTracker by the due dates specified in the Regional Board letters and orders issued to you or for the Site. However, the Regional Board may request that you submit hard copies of selected documents and data in addition to electronic submittal of information to GeoTracker. For your convenience, the GeoTracker Global ID for this site is T10000018726.

4. The Regional Board, under the authority given by Water Code section 13267, subdivision (b)(1), requires you to include a perjury statement in all reports as required by this Order. The perjury statement shall be signed by a senior authorized Art Colony Property LLC representative (not by a consultant). The perjury statement shall be in the following format:

> "I, [NAME], certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision, in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

SO ORDERED.

Hugh Marley

Digitally signed by Hugh Marley
Date: 2022.05.20 16:09:27 -07'00'

Renee Purdy
Executive Officer

5/20/2022
Date

Attachments:

1. Attachment 1

EXHIBIT B

Los Angeles Regional Water Quality Control Board

December 22, 2022

Art Colony Property LLC
c/o Fifteen GRP, Chris Macconnell
47 NE 36th Street, 2nd Floor
Miami, FL 33137

Certified Mail
Return Receipt Requested
Claim No. 7021 1970 0000 9152 2251

SUBJECT: REVIEW OF INDOOR AIR SAMPLING REPORT PURSUANT TO CALIFORNIA WATER CODE SECTION 13267 ORDER

SITE: SANTA FE ART COLONY, 2345-2421 S. SANTA FE AVENUE, LOS ANGELES, CALIFORNIA 90058 (SCP NO. 1557, GEOTRACKER ID: T10000018726)

Dear Mr. Macconnell:

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board) is the public agency responsible for the protection of groundwater and surface water quality for all beneficial uses within major portions of Los Angeles and Ventura counties, including the above referenced site (Site). To accomplish this, the Regional Board oversees the investigation and cleanup of discharges of waste adversely affecting waters of the State, authorized by the Porter-Cologne Water Quality Control Act (Water Code §13000 et seq.).

Regional Board staff have reviewed the *Report of Indoor Air Sampling Results* (Report), dated October 25, 2022, submitted by GeoEnviro Services, Inc. (GESI) on behalf of the Eviction Defense Network (EDN), for the above referenced Site. GESI conducted an indoor air quality assessment to determine whether volatile organic compounds (VOCs) are present in the residential units at 2401, 2415, and 2421 South Santa Fe Avenue located onsite.

Report Summary

Indoor and outdoor air samples were collected over a 24-hour period on May 16th to May 17th, 2022, at the Santa Fe Art Colony residential buildings located at 2401, 2415, and 2421 South Santa Fe Avenue, Los Angeles, California. The indoor air samples were collected from seventeen (17) residential units (IA-1 through IA-17, plus IA-1 DUP) and three (3) outdoor ambient air locations (AA-1 through AA-3), as shown in Figure 1 (enclosed).

The samples were taken in three separate buildings: 2401 South Santa Fe Avenue - a two-story building with a basement located in the northeast portion of the Site; 2415 South

Santa Fe Avenue - a ground level building located in the southeast portion of the Site; and 2421 South Santa Fe Avenue - a ground level building centered on the southern portion of the Site.

All residential units were surveyed prior to collecting samples with several units reported to contain small, closed containers of chemicals that may contain VOCs, including paint thinner in unit 14 and nail polish remover in unit 15.

VOCs such as benzene, ethylbenzene, tetrachloroethene (PCE), and xylenes were detected in the indoor air and outdoor air samples. Benzene, ethylbenzene, and tetrachloroethylene (PCE) were detected in indoor air at maximum concentrations of 4.3 micrograms per cubic meter (µg/m^3), 5.1 µg/m^3, and 4.2 µg/m^3, respectively. The United States Environmental Protection Agency (USEPA) Regional Screening Levels (RSLs) for residential air for benzene, ethylbenzene, and PCE are 0.36 µg/m^3, 1.1 µg/m^3, and 11 µg/m^3. Department of Toxic Substances Control (DTSC) Screening Levels (SL) for residential air for benzene, ethylbenzene, and PCE are 0.0097 µg/m^3, 1.1 µg/m^3, and 0.46 µg/m^3, respectively.

The Report indicated that the VOCs present in the indoor air may be due to soil vapor intrusion through the building foundation and/or basement walls to indoor air. Therefore, the Report recommends additional rounds of indoor air sampling to evaluate seasonal and temporal variability or other changes.

Regional Board Requirements

Based on the data and information provided in the Report, you are required to submit a comprehensive Vapor Intrusion Assessment Work Plan for all buildings onsite on GeoTracker by **February 28, 2023**, to assess the cumulative human health risk associated with potential vapor intrusion. The Vapor Intrusion Assessment Work Plan shall include, but is not limited to, the following:

1. A minimum of two rounds of indoor/ambient air and sub-slab vapor samples in different seasons to assess for seasonal variability (wet and dry seasons) in accordance with the *Draft Supplemental Guidance: Screening and Evaluation Vapor Intrusion* [Supplemental Vapor Intrusion Guidance (DTSC, California Water Resources Control Boards, February 2020)].

2. A minimum of three ambient air samples shall be collected. Indoor air samples, ambient air samples, and sub-slab vapor samples shall be collected concurrently and in accordance with the *Guidance for the Evaluation and Mitigation of*

Subsurface Vapor Intrusion to Indoor Air [Vapor Intrusion Guidance (DTSC, CalEPA, October 2011)].

3. The Vapor Intrusion Assessment Work Plan shall be used to evaluate and prepare a human health risk assessment (HHRA). The data from the vapor intrusion assessment shall be used to calculate cancer risk and non-cancer hazard estimates using methods in the Supplemental Vapor Intrusion Guidance. Cancer risk and non-cancer hazard estimates shall be calculated for each round/season of sampling.

The due date to submit a required technical report above constitutes an amendment to the requirements of the California Water Code section 13267 Order originally dated May 20, 2022. All other aspects of the Order originally dated May 20, 2022, and the amendments thereto, remain in full force and effect. The required technical report is necessary to investigate the characteristics of and extent of the discharges of waste at the site and to evaluate cleanup alternatives. Pursuant to section 13268 of the California Water Code, failure to submit the required technical report by the specified due date may result in civil liability administratively imposed by the Regional Board in an amount up to one thousand dollars ($1,000) for each day each technical report is not received.

If you have any questions regarding this matter, please contact Jeremy Barela, Project Manager at (213) 576-6734 (Jeremy.Barela@waterboards.ca.gov) or Ms. Thizar Tintut-Williams, Unit Supervisor, at (213) 576-6723 (Thizar.Williams@waterboards.ca.gov).

Sincerely,

Hugh Marley

Digitally signed by Hugh Marley
Date: 2022.12.22 12:28:38 -08'00'

Water Boards

Renee Purdy
Executive Director

Enclosure: Figure 1: Site Map with Air Sample Locations

cc: Sophie N. Froelich, State Water Resources Control Board
Simon Sherred, Eviction Defense Network
Mark Sanders, Fifteen Group
John Winkler, Fulcrum Resources, Inc.
Young Kim, 2305 South Santa Fe Avenue Property Owner Representative
Robina Suwol, CA Safe Schools

EXHIBIT C

Los Angeles Regional Water Quality Control Board

May 20, 2022

ART COLONY PROPERTY LLC
c/o FIFTEEN GRP, Chris Macconnell
47 NE 36TH ST 2ND FL
MIAMI, FL, 33137

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7021 0950 0000 7275 6209

SUBJECT: REQUIREMENT FOR TECHNICAL REPORTS PURSANT TO CALIFORNIA WATER CODE SECTION 13267 ORDER NO. R4-2022-0165

SITE: SANTA FE ART COLONY (FILE NO. 1557)
2345–2421 S. SANTA FE AVENUE, LOS ANGELES, CA 90058

Dear Mr. Macconnell:

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board) is the public agency with primary responsibility for the protection of ground and surface water quality for all beneficial uses within major portions of the Los Angeles and Ventura counties, including the above referenced site (Site). To accomplish this, the Regional Board issues investigative orders authorized by the Porter-Cologne Water Quality Control Act (California Water Code [CWC], Division 7).

Under the oversight of the Regional Board, an environmental investigation is ongoing at the adjacent property, located at 2305 South Santa Fe Avenue, Los Angeles, that indicated elevated levels of tetrachloroethylene (PCE) and trichloroethylene (TCE) within the Santa Fe Art Colony property. The Santa Fe Art Colony is bounded on the north by a clothing warehouse, on the west by a recycling center, on the south by industrial/commercial properties, and on the east by Santa Fe Avenue.

The Regional Board has evidence from recent site assessment activities conducted in the vicinity of the subject location that there is or has been elevated levels of PCE and TCE at the northern perimeter of the Santa Fe Art Colony. The Site consists of five buildings constructed as various warehouses which were historically utilized for several heavy industrial operations in the early to mid-1900's that typically involved the use of

chlorinated solvents, metals, and other hazardous materials. As of 1985, four of the five buildings were converted to residential use, including a total of 57 residential units. In 2019, a sub-slab depressurization system was installed to mitigate elevated concentrations of volatile organic compounds (VOCs).

Enclosed is a Regional Board order pursuant to California Water Code Section 13267 Order No. R4-2022-0165, requiring Art Colony Property LLC to prepare and submit all technical and monitoring reports associated with previous environmental assessments and technical reports, including, but not limited to, soil vapor sampling reports, sub-slab depressurization system installation report and subsequent monitoring reports.

If you have any questions regarding this matter, please contact Jonatan Velasquez (Case Manager) via telephone at (213) 576-6633 or via email at jonatan.velasquez@waterboards.ca.gov or Jeffrey Hu (Unit Supervisor) via telephone at (213) 576-6803 or via email at jeffrey.hu@waterboards.ca.gov.

Sincerely,

Hugh Marley

Digitally signed by Hugh Marley
Date: 2022.05.20 15:36:48 -07'00'

Water Boards

Renee Purdy
Executive Officer

Enclosure: California Water Code Section 13267 Order No. R4-2022-0165

cc: Mr. Mark Sanders, Principal, Fifteen Group, (via email)
Mr. Jeffrey Hu, State Water Resources Control Board (via email)
Ms. Thizar Tintut-Williams, State Water Resources Control Board (via email)
Ms. Sophie N. Froelich, State Water Resources Control Board (via email)
Ms. Susana Lagudis, State Water Resources Control Board (via email)
Mr. Ryan Vitug, State Water Resources Control Board (via email)
Ms. Sylvia Tidwell, President, Santa Fe Art Colony Tenants Association, Inc. (via email)
Mr. John Winkler, Fulcrum Resources, Inc. (via email)
Mr. Young Kim, 2305 South Santa Fe Avenue Property Owner Representative (via email)

EXHIBIT D

October 25, 2022
Project No. 22-491

Eviction Defense Network (EDN)
Attn: Simon Sherred
1930 Wilshire Blvd. Suite 208
Los Angeles, CA 90057

SUBJECT: REPORT OF INDOOR AIR SAMPLING RESULTS
SANTA FE ART COLONY
2401, 2415, and 2421 S. Santa Fe Ave.
Los Angeles, California

Mr. Sherred,

GeoEnviro Services, Inc. (GESI) has prepared this report that documents the methodology and results of indoor and outdoor air sampling completed on May 16 to 17, 2022, at the Santa Fe Art Colony located at 2401, 2415, and 2421 S. Santa Fe Ave., Los Angeles, California (Site). The location of the Site is shown on Figure 1. Indoor air samples were collected from seventeen (17) residential units (IA-1 through IA-17, plus IA-1 DUP) and three (3) outdoor (ambient) air locations (AA-1 through AA-3). The air sample locations are shown on Figure 2 – Site Map.

The purpose of the indoor and outdoor (ambient) air sampling was to evaluate whether volatile organic compound (VOC) vapors are present in the residential units at levels that represent a significant health risk to residential occupants.

TENANT SURVEY AND UNIT INSPECTION

GESI was provided with a list of seventeen (17) residential units from which to collect samples. The units are located in three separate buildings including: (1) a two-story building located in the northeast portion of the Site having residential occupancy in the basement, first floor (ground level), and second floor, identified as 2401 S. Santa Fe Avenue; (2) a ground level building located in the southeast portion of the Site, identified as 2415 S. Santa Fe Avenue; and (3) a ground level building approximately centered on the southern portion of the Site, identified as 2421 S. Santa Fe Avenue. Prior to sampling, the current tenants of each of the 17 units were asked to complete a survey form to document the tenant space conditions and identify the potential presence of sources of VOCs. Copies of the survey forms are included in Attachment A. Several units were reported to contain small, closed containers of chemicals that may contain VOCs, including paint thinner (Unit 14) and nail polish remover (Unit 15).

The tenant space inspection of the 17 units was completed by Joseph Schaaf of GESI on May 16, 2022, to evaluate the presence of any potential sources of VOCs. The results of the unit inspection and potential VOC source identification are summarized in Table 1. Material Safety Data Sheets for the products reported by the tenants and potentially containing VOCs are presented in Attachment B. Photos of household cleaners and art supplies stored in the tenant units sampled are shown in the photo log included in Attachment C.

No chemicals other than household cleaning products including ammonia, glass cleaner, 409 cleaners, Simple Green, CRC cleaner, laundry soaps and art supplies including acrylic paint, tubes of oil-based paint, latex paint, wood glue, small bottles of isopropyl alcohol and wipes (COVID pandemic supplies), and spray paint container were observed. No solvents used or stored were identified with the exception of small, closed containers of chemicals that contain VOCs including paint/primer, paint thinner (Unit 14) and nail polish remover (Unit 15). Other chemicals observed include motor oil (Unit 206) and antifreeze (Unit 21). During the indoor air sampling period all windows and entry doors were closed, and ventilation fans (if existing in the units sampled) were off.

INDOOR AND OUTDOOR AIR SAMPLING ACTIVITIES, MAY 16 TO MAY 17, 2022

Air sampling was conducted within the guidelines set forth in the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC), *Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance, October 2011)*, and supplemental guidance documents including *Advisory – Active Soil Gas Investigations, July 2015*, and knowledge of *PUBLIC DRAFT Supplemental Guidance: Screening and Evaluating Vapor Intrusion* dated February 2020.

GESI conducted indoor and outdoor (ambient) air sampling over a period of approximately 24 hours between May 16, 2022, and May 17, 2022. Indoor air samples were collected from seventeen (17) residential units and assigned identification names IA-1 through IA-17. There was also one (1) duplicate sample (IA-1 DUP) collected for laboratory analysis. Three (3) outdoor (ambient) air samples, identified as AA-1 through AA-3, were collected concurrently with indoor air samples. GESI utilized twenty-one (21) laboratory provided and certified-clean, 6-liter, Summa canisters equipped with 24-hour flow regulators. Indoor air samples were generally collected from locations in the central portions of the living spaces and away from the walls. The air intakes of the canisters were placed within the breathing zone, approximately 4 to 5 feet above the floor surface. The outdoor samples were collected from locations outside of the buildings at a height of approximately 6 feet above ground surface.

Photos of air sampling equipment and general surroundings during sampling are in Attachment C.

The following information was collected for each air sample canister during sampling and recorded on the chain-of-custody documentation that accompanied the samples to the laboratory:

1. Canister ID
2. Flow Regulator ID
3. Sample Period Start Date and Time
4. Initial Start Time Vacuum Reading
5. Sample Period End Date and Time
6. End Time Vacuum Reading

During the air sampling time period, the weather was initially clear on May 16, 2022, and gradually became mostly cloudy on the morning of May 17, 2022. The air temperatures ranged from approximately 49° F (May 17 at 3am) to a high of 77° F (May 16 at 4pm). The recorded humidity ranged from 48% to 78%. Winds ranged from calm to 14 mph SSE, and outdoor barometric pressure ranged from 29.06 inches of mercury to 29.16 inches of mercury. There was zero precipitation.

AIR SAMPLE CHEMICAL ANALYSIS

Indoor air samples IA-1 through IA-17 plus duplicate sample IA-1 DUP and outdoor / ambient air samples AA-1 through AA-3 were submitted under chain-of-custody documentation and transfer protocol to Pace Laboratories in Bakersfield, California, a State of California-certified analytical laboratory. Both indoor air and outdoor ambient air samples were analyzed for the full list of VOCs (33 analytes) using U.S. EPA Method TO-15 SIM. As shown on the chain-of-custody included in Attachment D, all of the canisters were sealed upon completion of the sampling period with pressure remaining in the collection vessels ranging from 1 to 6 inches of mercury.

AIR SAMPLE ANALYTICAL RESULTS

Indoor and outdoor / ambient air sample results are summarized on Table 2 and listed in the laboratory analytical reports included in Attachment D.

As shown on Table 2, the VOCs acetone, benzene, dichlorodifluoromethane, 1,1-difluoroethane, ethylbenzene, toluene, 1,1,1-trichloroethane, trichlorofluoromethane, 1,1,2-trichloro-1,2,2-trifluoroethane, and xylenes were detected in all of the indoor air samples analyzed. Tetrachloroethene (PCE) was detected in three (3) of the samples plus the duplicate sample.

The outdoor samples contained detectable concentrations of acetone, benzene, dichlorodifluoromethane, ethylbenzene, toluene, trichlorofluoromethane, 1,1,2-trichloro-

1,2,2-trifluoroethane, and xylenes, but did not contain concentrations of 1,1-difluoroethane, 1,1,1-trichloroethane, or tetrachloroethene (PCE).

Indoor air samples IA-1 and IA-1 DUP (duplicate sample to IA-1) were reported to contain very similar concentrations of the VOCs detected, which confirms that the equipment was working properly during sample collection.

The detected concentrations of dichlorodifluoromethane, trichlorofluoromethane, and 1,1,2-trichloro-1,2,2-trifluoroethane were similar in the outdoor (ambient) air samples and the indoor air samples, suggesting the source of these VOCs is likely in the ambient (outdoor) air.

The VOC compounds acetone, benzene, ethylbenzene, toluene, and xylenes were detected in each of the 17 indoor air samples plus IA-1 DUP at higher concentrations than detected in the ambient (outdoor) air samples.

The VOC compound 1,1-difluoroethane was detected in each of the 17 indoor air samples plus IA-1 DUP but was not detected in any of the 3 ambient (outdoor) air samples.

The VOC compound PCE was detected in indoor air samples IA-1 and IA-1 DUP collected in Unit B03, IA-4 collected in Unit B09, and IA-7 collected in Unit 103, but was not detected in any of the other indoor samples or ambient (outdoor) air samples. This suggests the PCE may be originating from soil vapor intrusion to indoor air.

COMPARISON OF AIR SAMPLE RESULTS TO SCREENING LEVELS

GESI compared the air sample analytical results to DTSC-modified Screening Levels (DTSC-SLs) for indoor air in a residential occupancy setting as provided by the *DTSC, Human and Ecological Risk Office (HERO), Human Health Risk Assessment (HHRA), Note Number 3, Dated June 2020, Revised May 2022* (HHRA-Note 3).

The indoor air DTSC-SLs provide a guideline or baseline from which to conduct an evaluation of potential risk to human health resultant from chemical vapors in the air space of residences and helps identify areas of concern where a release of hazardous chemicals has occurred. DTSC-SLs are developed based on a human health cancer risk of one in a million (1×10^6) and a target noncancer hazard quotient of 1. If the site-specific concentrations exceed the listed DTSC-SLs, then further investigation and/or the preparation of a site-specific health risk assessment may be necessary to evaluate the potential human health risk to receptors (residential occupants).

DTSC-SLs are not provided in HHRA-Note 3 for several of the VOCs detected, including acetone, ethylbenzene, and xylenes. Similar to DTSC-SLs, Environmental Screening Levels (ESLs) were developed by the California Regional Water Quality Control Board – San Francisco Bay Region (RWQCB-SFR-ESLs, January 2019) to evaluate the need to

conduct further investigation and/or prepare a site-specific human health risk assessment. RWQCB-SFR-ESLs are also based on a human health cancer risk of 1 x 10^{-6} and a target noncancer hazard quotient of 1 and include additional chemicals not included in the DTSC-SLs. The RWQCB-SFR-ESLs have been adopted by the Los Angeles Regional Water Quality Control Board (RWQCB-LAR), the regulatory oversight agency responsible for the Santa Fe Art Colony (RWQCB-LAR File No. 1557), 2345-2421 S. Santa Fe Ave., Los Angeles, California.

As shown in Table 2, the detected concentrations of acetone, ethylbenzene, and xylenes were compared to RWQCB-SFR-ESLs for indoor air in a residential building.

There are no DTSC-SLs or RWQCB-SFR-ESLs for dichlorodifluoromethane, 1,1-difluoroethane, or 1,1,2-trichloro-1,2,2-trifluoroethane. The U.S. EPA Regional Screening Levels (U.S. EPA RSLs) are provided in Table 2 for comparison.

As shown in Table 2, benzene concentrations detected in indoor air samples IA-1 through IA-17 (ranging in concentration from 0.41 micrograms per cubic meter [ug/m^3] to 4.3 ug/m^3) and outdoor (ambient) samples AA-1 through AA-3 (ranging from 0.33 ug/m^3 to 0.37 ug/m^3) exceed the residential indoor air DTSC-SL of 0.097 ug/m^3.

Ethylbenzene concentrations detected in indoor air samples IA-1, IA-1 DUP, IA-3, IA-5, IA-7, IA-13, and IA-14 (ranging in concentration from 1.5 ug/m^3 to 5.1 ug/m^3) exceed the residential indoor air RWQCB-SFR-ESL of 1.1 ug/m^3.

PCE concentrations detected in indoor air samples IA-1, IA-1 DUP, IA-4, and IA-7 (ranging in concentration from 2.7 ug/m^3 to 4.2 ug/m^3) exceed the residential indoor air DTSC-SL of 0.46 ug/m^3.

Benzene, ethylbenzene, and PCE concentrations in the air samples analyzed are shown in Figure 3.

SCREENING LEVEL HUMAN HEALTH RISK ASSESSMENTS FOR BENZENE, ETHYLBENZENE, AND PCE

GESI utilized current recommended methodology for conducting screening level human health risk assessment (HHRA) as included in *DTSC, HERO, HHRA Note Number 4, dated March 29, 2022* (HHRA-Note 4). Screening level HHRAs for individual chemicals detected in indoor air above the DTSC-SL or RWQCB-SFR-ESL were completed using the maximum detected concentrations in the indoor air samples analyzed. The noncancer hazard quotient was calculated by dividing the concentration of the chemical by the DTSC-SL or RWQCB-SFR ESL. For carcinogens, the hazard quotient was multiplied by 10^{-6} to calculate the cancer risk.

Concentrations of benzene, ethylbenzene, and PCE were detected in indoor air samples above their respective DTSC-SL or RWQCB-SFR-ESL. Each of these chemicals are

considered to be carcinogens by the California EPA. Screening level HHRAs were completed for each of these three chemicals. The cumulative cancer risk and the cumulative noncancer hazard index were not completed since the maximum concentrations of benzene, ethylbenzene, and PCE were detected in different tenant units.

Benzene

As discussed above, concentrations of benzene detected in each of the 18 indoor air samples analyzed (IA-1 through IA-17, plus IA-1 Dup) exceeded the DTSC-SL for indoor air of 0.097 ug/m^3. The maximum concentration of benzene of 4.3 ug/m^3 was detected in indoor air sample IA-11 collected from Unit 14 (2415 S. Santa Fe Ave.). The screening level human health cancer risk for benzene is 4.43 x 10^{-5} and the noncancer hazard quotient is 44.3. The detected concentrations of benzene in the 18 indoor air samples exceed the acceptable cancer risk threshold of 1 x 10^{-6} (one in a million) and exceed the acceptable noncancer hazard quotient of 1 for residential indoor air and present a significant health risk for residents in each of the units tested.

Ethylbenzene

Concentrations of ethylbenzene detected in 7 of the 18 indoor air samples analyzed (IA-1, IA-3, IA-5, IA-7, IA-13, IA-14, plus IA-1 Dup) exceeded the RWQCB-SFR-ESL for indoor air of 1.1 ug/m^3. The maximum concentration of ethylbenzene of 5.1 ug/m^3 was detected in indoor air sample IA-5 collected from Unit 8 (2415 S. Santa Fe Ave.). The screening level human health cancer risk for ethylbenzene is 4.64 x 10^{-6} and the noncancer hazard quotient is 4.64. The detected concentrations of ethylbenzene in these 7 indoor air samples exceed the acceptable cancer risk threshold of 1 x 10^{-6} (one in a million) and exceed the acceptable noncancer hazard quotient of 1 for residential indoor air and present a significant health risk for residents in Units B03, B06, 1, 8, 9, and 103.

PCE

Concentrations of PCE detected in 4 of the 18 indoor air samples analyzed (IA-1, IA-4, IA-7, plus IA-1 Dup) exceeded the DTSC-SL for indoor air of 0.46 ug/m^3. The maximum concentration of PCE of 4.2 ug/m^3 was detected in indoor air sample IA-1 collected from Unit B03 (2401 S. Santa Fe Ave.). The screening level human health cancer risk for PCE is 9.13 x 10^{-6} and the noncancer hazard quotient is 9.13. The detected concentrations of PCE in these 4 indoor air samples exceed the acceptable cancer risk threshold of 1 x 10^{-6} (one in a million) and exceed the acceptable noncancer hazard quotient of 1 for residential indoor air and present a significant health risk for residents in units B03, B09, and 103.

CONCLUSIONS

Based on the results of the May 16 & 17, 2022 indoor and outdoor / ambient air sampling event, GESI provides the following conclusions:

- The following VOCs were present in the indoor air samples at concentrations similar to the outdoor (ambient) air sample concentrations: dichlorodifluoromethane, trichlorofluoromethane, and 1,1,2-trichloro-1,2,2-trifluoroethane. The concentrations of these constituents do not exceed any applicable residential, health risk-based screening levels.
- Acetone, benzene, ethylbenzene, toluene, and xylenes were detected in the indoor air samples at higher concentrations than the outdoor (ambient) air samples. The source of these concentrations is not known.
- 1,1-difluoroethane and PCE were detected in the indoor air samples but were not detected in the outdoor (ambient) air samples. The source of the 1,1-difluoroethane concentrations is not known. PCE is known to be present in the subsurface soil vapor. The source of PCE in indoor air may be due to soil vapor intrusion through the building foundation or basement walls to indoor air.
- Detected VOC concentrations in the indoor air samples were compared to DTSC-SLs (or to the RWQCB-SFR-ESLs if no DTSC-SL was specified in HHRA-Note 3). Concentrations of benzene, ethylbenzene, and PCE exceeded the DTSC-SL and/or RWQCB-SFR-ESL for residential indoor air.
- Benzene was detected in indoor air samples IA-1 through IA-17 at concentrations ranging from approximately 4.2 to 44 times greater than the DTSC-SL for benzene of 0.097 ug/m^3. Using the maximum detected concentration in indoor air, the screening level human health cancer risk for benzene is 4.43 x 10^{-5} and the noncancer hazard quotient is 44.3. The detected concentrations of benzene in the 18 indoor air samples exceed the acceptable cancer risk threshold of 1 x 10^{-6} (one in a million) and exceed the acceptable noncancer hazard quotient of 1 for residential indoor air and present a significant health risk for residents in each of the units tested.
- Ethylbenzene was detected in indoor air samples IA-1, IA-1 DUP, IA-3, IA-5, IA-7, IA-13, and IA-14 at concentrations ranging from approximately 1.3 to 4.6 times greater than the RWQCB-SFR-ESL for ethylbenzene of 1.1 ug/m^3. Using the maximum detected concentration in indoor air, the screening level human health cancer risk for ethylbenzene is 4.64 x 10^{-6} and the noncancer hazard quotient is 4.64. The detected concentrations of ethylbenzene in these 7 indoor air samples exceed the acceptable cancer risk threshold of 1 x 10^{-6} (one in a million) and exceed the acceptable noncancer hazard quotient of 1 for residential indoor air

and present a significant health risk for residents in Units B03, B06, 1, 8, 9, and 103.

- PCE was detected in indoor air samples IA-1, IA-1 DUP, IA-4, and IA-7 at concentrations ranging from approximately 5.8 to 9.1 times greater than the DTSC-SL for PCE of 0.46 ug/m^3. Using the maximum detected concentration in indoor air, the screening level human health cancer risk for PCE is 9.13 x 10^{-6} and the noncancer hazard quotient is 9.13. The detected concentrations of PCE in these 4 indoor air samples exceed the acceptable cancer risk threshold of 1 x 10^{-6} (one in a million) and exceed the acceptable noncancer hazard quotient of 1 for residential indoor air and present a significant health risk for residents in units B03, B09, and 103.

Based on the results of the screening level HHRA for individual chemicals present in indoor air, there is a significant health risk to residents located in areas of the buildings where the detected concentrations of benzene, ethylbenzene, and/or PCE exceed the DTSC-SLs and/or RWQCB-SFR-ESLs for residential indoor air.

The sources of benzene and ethylbenzene are not known. The source of PCE in indoor air may be soil vapor intrusion through the building foundation or basement walls into indoor air.

RECOMMENDATIONS

Based on the results of the indoor air testing, GESI has the following recommendations.

- Further evaluation of the sources of benzene and ethylbenzene should be completed. Any sources identified inside the buildings should be eliminated.
- A second round of indoor air sampling should be conducted to verify the results of the May 2022 air sample results. Additional indoor air sampling during different seasonal periods should be conducted thereafter to evaluate potential changes in VOC concentrations in relation to changes in weather conditions.
- Although the existing and operational sub-slab depressurization system may be effective in reducing the migration of PCE vapors present in the subsurface to indoor air inside the buildings, additional mitigation measures to reduce PCE concentrations inside the 2401 S. Santa Fe Ave. building should be considered including:
    - Evaluation of the operational parameters of the existing sub-slab depressurization system, including periodic vacuum and flow readings from each of the separate subsurface vacuum extraction piping runs, area of influence of each of the subsurface vacuum extraction piping runs, total vacuum and flow, and cumulative system operational run time and VOC extraction rates over time.
    - Optimization and potentially increased vacuum/flow of the sub-slab depressurization system to increase the vacuum within the extraction piping beneath the building.
    - Installation of additional soil vapor probes and/or vapor pins for collection of vacuum readings and soil/sub-slab vapor samples for VOC analysis.
    - Periodic collection of vapor samples for VOC analysis and vacuum monitoring from the existing and/or new vapor pins located in the floor slabs of the building. Additional sub-slab vapor pin sampling should be conducted with the sampling of co-located indoor air samples.
    - Installation and operation of additional sub-slab extraction piping and horizontal wells beneath the building to mitigate vapor intrusion.
    - Installation of a vapor barrier within the footprint or beneath the floor and basement walls of the building.
- Replacement, addition, or modification of existing windows and windowless units to increase airflow inside the tenant spaces should be evaluated.
- Installation of an HVAC system to increase indoor air exchange flow rates and/or air filtration of VOCs inside each of the buildings to reduce VOC concentrations should be evaluated.
- The results of the subsurface soil vapor sampling should be used to evaluate the need for further assessment and/or site remediation activities.

CLOSURE

Please contact us with any questions or comments regarding this report at (805) 620-0550 or email to jschaaf@geoenviroservices.com.

Sincerely,
GEOENVIRO SERVICES, INC.

Joseph P. Schaaf, P.G, C.Hg.
Principal Geologist

ATTACHMENTS:

Table 1 - Inspection of Units Prior to Indoor Air Sampling Evaluation
Table 2 - Chemical Analytical Results of Indoor and Outdoor Air Samples by US EPA Method TO-15 SIM

Figure 1 - Site Location Map
Figure 2 - Site Map with Air Sample Locations
Figure 3 – Site Map with Concentrations of Selected VOCs in Indoor and Outdoor Air

Attachment A - Tenant Unit Survey Forms
Attachment B - Material Safety Data Sheets
Attachment C - Photo Log of Air Sampling Activities, May 2022
Attachment D - Air Sample Laboratory Analytical Reports and Chain of Custody Documentation

LIMITATIONS

This report has been prepared for Eviction Defense Network (EDN) for submittal to the California Environmental Protection Agency. No other persons may rely on the findings of this report without the expressed written consent of EDN and GeoEnviro Services, Inc.

In performing our professional services, we have attempted to apply present engineering and scientific judgment and use a level of effort consistent with the standard of practice on the date of work and in the location of the Site for similar type studies. GeoEnviro Services, Inc. makes no warranty, express or implied.

Work on this project as described in this report was performed by or under the direct supervision of a California licensed Professional Geologist. The analysis and interpretations presented in this report have been developed based on the results from the review of existing information pertaining to the Site, air sampling at discrete locations at the Site, and the results from the laboratory analysis of air samples. It should be recognized that contamination can vary between sampling locations and between areas.

TABLES

TABLE 1
INSPECTION OF UNITS PRIOR TO INDOOR AIR SAMPLING EVALUATION
2401, 2415, and 2421 S. Santa Fe Ave., Los Angeles, CA
Inspection Date: May 16, 2022

STREET ADDRESS NO.	UNIT NO.	AIR SAMPLE ID NO.	UNIT DESCRIPTION	POTENTIAL SOURCE OF VOC DESCRIPTION
2401	B03	IA-1, IA-1 DUP	NE corner of basement, 2 rooms+bath, ceiling height ~12 ft., 2 windows (closed during sampling), No evidence of slab moisture.	No chemicals other than household cleaning products including ammonia, glass cleaner, 409 Cleaner, and soaps were observed. No solvents used or stored were identified. During the sampling period, windows and entry door were closed and attic fan was off.
2401	B04	IA-2	NE Corner of basement, 1 room+bath, ceiling height ~12 ft., no windows that open, no ventilation system, no evidence of slab moisture.	No chemicals other than household cleaners and art supplies including Krylon Gesso spray, Rustoleum spray paint, Liquid Nails glue, citrus cleaner observed.
2401	B06	IA-3	NW corner of basement, 1 room+bath, ceiling height ~12 ft., 1 window that opens (closed during sampling), AC unit (not in operation during sampling), slab moisture present in bathroom.	No chemicals other than household cleaners, wood glue, and laundry soaps observed.
2401	B09	IA-4	SW portion of basement, 2 rooms+bath, ceiling height ~12 ft., 2 windows that open (closed during sampling), moisture on floor due to sewer line leakage in ceiling.	No chemicals other than household cleaners and laundry soaps observed.
2415	8	IA-5	S portion of single story slab on grade building, 1 room + bath, 2 windows that open (closed during sampling), non-operable bath vent, no evidence of slab moisture.	No chemicals other than household cleaners, Simple Green, CRL Cleaner, and bleach observed.
2401	B07	IA-6	W-Central portion of basement, 1,200 sf., 1 room+bath, ceiling height ~12 ft., 2 windows that open (closed during sampling), no ventilation system, no evidence of slab moisture.	No chemicals other than water-based acrylic paints, household cleaners observed.
2401	103	IA-7	NE portion of first floor (above basement), 1 room + bath, ceiling height 15 ft., 3 windows that open (closed during sampling), bathroom vent (not in operation during sampling).	No chemicals other than water-based acrylic paints, household cleaners observed.
2401	101	IA-8	E portion of first floor (above basement), 1 room + bath, ceiling height 15 ft., 3 windows (1 that opens, closed during sampling), 2 window vents (not in operation during sampling).	No chemicals other than household cleaners and laundry soaps observed.
2401	109	IA-9	SW portion of first floor (above basement), 2 rooms + bath, ceiling height 15 ft., 2 windows (closed during sampling), no ventilation.	No chemicals other than household cleaners observed.

TABLE 1
INSPECTION OF UNITS PRIOR TO INDOOR AIR SAMPLING EVALUATION
2401, 2415, and 2421 S. Santa Fe Ave., Los Angeles, CA
Inspection Date: May 16, 2022

STREET ADDRESS NO.	UNIT NO.	AIR SAMPLE ID NO.	UNIT DESCRIPTION	POTENTIAL SOURCE OF VOC DESCRIPTION
2401	206	IA-10	NW portion of second floor, 2 rooms + bath, ceiling height 13 ft., 3 windows (closed during sampling), ceiling fan (not in operation during sampling).	No chemicals other than household cleaners, motor oil observed.
2415	14	IA-11	SE corner of single story slab on grade building, 2 rooms + bath, 4 windows that open (closed during sampling), ceiling heater vent (not in operation during sampling), no evidence of slab moisture.	No chemicals other than household cleaners, paint thinner observed.
2415	15	IA-12	NE corner of single story slab on grade building, 1 room + bath, 2 windows that open (closed during sampling), ceiling vent, swamp cooler (not in operation during sampling), no evidence of of slab moisture.	No chemicals other than water-based acrylic paints, nail polish remover, household cleaners observed.
2415	9	IA-13	S portion of single story slab on grade building, 3 rooms + bath, no windows that open, ceiling vent (not in operation during sampling), no evidence of slab moisture.	No chemicals other than household cleaners, alkyd and latex house paints observed.
2415	1	IA-14	NW corner of single story slab on grade building, 3 rooms + bath, 5 windows that open (closed during sampling), window AC unit (not in operation during sampling), no evidence of slab moisture.	No chemicals other than household cleaners, laundry soap, paint thinner observed.
2415	2	IA-15	SW corner of single story slab on grade building, 2 rooms + bath, 6 windows that open (closed during sampling), 2 ceiling vent fans, AC unit (not in operation during sampling), no evidence of slab moisture.	No chemicals other than household cleaners, laundry soap, closed acrylic and oil artist paint (tubes), latex house paints, sealed alcohol wipes observed.
2421	20	IA-16	NW corner of single story slab on grade building, 4 rooms + bath, 9 windows that open (closed during sampling), ceiling vents fan (not in operation during sampling), no evidence of slab moisture.	No chemicals other than household cleaners observed.
2421	21	IA-17	NW portion of single story slab on grade building, 2 rooms + bath, 3 windows that open (closed during sampling), HVAC package unit (not in operation during sampling), no evidence of slab moisture.	No chemicals other than household cleaners, alcohol for cleaning, vitafilm (film cleaner), antifreeze, observed.

TABLE 2

CHEMICAL ANALYTICAL RESULTS OF INDOOR AND OUTDOOR AIR SAMPLES BY US EPA METHOD TO-15 SIM

2401, 2415, and 2421 S. Santa Fe Ave., Los Angeles, CA

Results in micrograms per cubic meter (ug/m3)

Sample Dates: May 16, 2022 to May 17, 2022 (~24 hours)

	INDOOR AIR SLs	INDOOR AIR SAMPLES									
UNIT NO.:		UNIT B03		B04	B06	B09	8	B07	103	101	109
CHEMICAL NAME	Residential	IA-1	IA-1 DUP	IA-2	IA-3	IA-4	IA-5	IA-6	IA-7	IA-8	IA-9
Acetone	31,000**	**51**	**50**	**29**	**30**	**28**	**46**	**41**	**66**	**25**	**28**
Benzene	**0.097**	**0.58**	**0.58**	**0.57**	**2.9**	**1.0**	**0.51**	**0.74**	**1.3**	**1.0**	**0.57**
Benzyl chloride	--	<0.016	<0.016	<0.018	<0.016	<0.016	<0.015	<0.015	<0.015	<0.015	<0.015
Carbon tetrachloride	--	<0.020	<0.019	<0.021	<0.020	<0.019	<0.018	<0.019	<0.019	<0.018	<0.018
Chlorobenzene	--	<0.024	<0.024	<0.027	<0.025	<0.024	<0.022	<0.023	<0.023	<0.023	<0.023
Chloroform	--	<0.018	<0.018	<0.020	<0.018	<0.018	<0.016	<0.017	<0.017	<0.017	<0.017
1,2-Dibromoethane (EDB)	--	<0.043	<0.042	<0.047	<0.044	<0.043	<0.039	<0.041	<0.041	<0.040	<0.040
1,2-Dichlorobenzene	--	<0.034	<0.033	<0.037	<0.034	<0.034	<0.031	<0.033	<0.032	<0.032	<0.032
1,3-Dichlorobenzene	--	<0.040	<0.039	<0.044	<0.041	<0.040	<0.037	<0.038	<0.038	<0.19	<0.037
1,4-Dichlorobenzene	--	<0.050	<0.048	<0.054	<0.050	<0.049	<0.045	<0.047	<0.047	<0.046	<0.046
Dichlorodifluoromethane	100***	**2.8**	**2.8**	**2.4**	**2.9**	**2.5**	**2.7**	**2.9**	**2.8**	**2.8**	**3.1**
1,1-Dichloroethane	--	<0.013	<0.012	<0.014	<0.013	<0.013	<0.012	<0.012	<0.012	<0.012	<0.012
1,2-Dichloroethane	--	<0.014	<0.014	<0.016	<0.014	<0.014	<0.013	<0.014	<0.014	<0.013	<0.013
1,1-Dichloroethene	--	<0.024	<0.024	<0.026	<0.024	<0.024	<0.022	<0.023	<0.023	<0.022	<0.022
cis-1,2-Dichloroethene	--	<0.014	<0.013	<0.015	<0.014	<0.013	<0.012	<0.013	<0.013	<0.013	<0.013
trans-1,2-Dichloroethene	--	<0.023	<0.023	<0.025	<0.023	<0.023	<0.021	<0.022	<0.022	<0.022	<0.022
trans-1,3-Dichloropropene	--	<0.040	<0.039	<0.044	<0.041	<0.040	<0.037	<0.038	<0.038	<0.037	<0.037
1,1-Difluoroethane	42,000***	**2.4**	**2.4**	**0.38**	**0.43**	**2.4**	**1.4**	**2.3**	**0.82**	**2.2**	**0.92**
Ethylbenzene	**1.1****	**2.4**	**2.0**	**0.78**	**1.9**	**0.81**	**5.1**	**0.93**	**2.2**	**0.6**	**0.58**
Methylene chloride	--	<0.024	<0.023	<0.026	<0.024	<0.024	<0.022	<0.057	<0.023	<0.022	<0.022
Tetrachloroethene (PCE)	**0.46**	**4.2**	**4.0**	<0.037	<0.034	**3.5**	<0.031	<0.033	**2.7**	<0.032	<0.032
Toluene	310*	**10**	**9.6**	**5.3**	**3.4**	**5.5**	**3.4**	**7.5**	**11**	**3.8**	**5.9**
1,1,1-Trichloroethane	1000*	<0.017	<0.017	<0.019	<0.017	<0.017	<0.016	<0.016	<0.016	<0.016	**4.0**
1,1,2-Trichloroethane	--	<0.017	<0.017	<0.019	<0.017	<0.017	<0.016	<0.016	<0.016	<0.016	<0.016
Trichloroethene (TCE)	--	<0.029	<0.029	<0.032	<0.030	<0.029	<0.027	<0.028	<0.028	<0.027	<0.027
Trichlorofluoromethane	1300*	**1.3**	**1.3**	**1.3**	**1.5**	**1.4**	**1.6**	**1.6**	**1.4**	**1.4**	**1.9**
1,1,2-Trichloro-1,2,2-trifluoroethane	5,200 ***	**0.49**	**0.49**	<0.026	<0.024	<0.024	<0.022	<0.023	<0.023	<0.022	<0.022
Vinyl chloride	--	<0.014	<0.014	<0.016	<0.014	<0.014	<0.013	<0.014	<0.014	<0.013	<0.013
m,p-Xylene	--	**13**	**11**	**2.5**	**7.7**	**3.1**	**19**	**3.1**	**11**	**2.2**	**1.8**
o-Xylene	--	**2.6**	**2.1**	**0.75**	**1.7**	**0.97**	**3.8**	**1.0**	**3.7**	**0.81**	**0.63**
Total xylenes	100**	**16**	**13**	**3.3**	**9.4**	**4.0**	**23**	**4.2**	**15**	**3.0**	**2.4**

TABLE 2

CHEMICAL ANALYTICAL RESULTS OF INDOOR AND OUTDOOR AIR SAMPLES BY US EPA METHOD TO-15 SIM

2401, 2415, and 2421 S. Santa Fe Ave., Los Angeles, CA

Results in micrograms per cubic meter (ug/m3)

Sample Dates: May 16, 2022 to May 17, 2022 (~24 hours)

	INDOOR AIR SL's	INDOOR AIR SAMPLES							
UNIT NO.:		206	14	15	9	1	2	20	21
CHEMICAL NAME	Residential	IA-10	IA-11	IA-12	IA-13	IA-14	IA-15	IA-16	IA-17
Acetone	31,000**	**7.6**	**20**	**13**	**41**	**18**	**20**	**32**	**77**
Benzene	**0.097**	**0.41**	**4.3**	**0.72**	**0.88**	**0.62**	**0.69**	**0.57**	**0.64**
Benzyl chloride	--	<0.0074	<0.016	<0.015	<0.014	<0.016	<0.015	<0.015	<0.017
Carbon tetrachloride	--	<0.0090	<0.020	<0.019	<0.017	<0.019	<0.018	<0.018	<0.020
Chlorobenzene	--	<0.011	<0.025	<0.024	<0.022	<0.024	<0.023	<0.023	<0.025
Chloroform	--	<0.0083	<0.018	<0.017	<0.016	<0.017	<0.017	<0.017	<0.019
1,2-Dibromoethane (EDB)	--	<0.020	<0.044	<0.042	<0.0039	<0.042	<0.041	<0.040	<0.045
1,2-Dichlorobenzene	--	<0.016	<0.034	<0.033	<0.030	<0.033	<0.032	<0.032	<0.035
1,3-Dichlorobenzene	--	<0.019	<0.041	<0.039	<0.036	<0.039	<0.038	<0.037	<0.042
1,4-Dichlorobenzene	--	<0.023	<0.050	<0.048	<0.044	<0.048	<0.046	<0.046	<0.052
Dichlorodifluoromethane	100***	**2.9**	**3.0**	**2.9**	**2.7**	**2.8**	**2.8**	**2.7**	**2.6**
1,1-Dichloroethane	--	<0.0059	<0.013	<0.012	<0.011	<0.012	<0.012	<0.012	<0.013
1,2-Dichloroethane	--	<0.0066	<0.014	<0.014	<0.013	<0.014	<0.013	<0.013	<0.015
1,1-Dichloroethene	--	<0.011	<0.024	<0.023	<0.022	<0.023	<0.023	<0.022	<0.025
cis-1,2-Dichloroethene	--	<0.0063	<0.014	<0.013	<0.012	<0.013	<0.013	<0.013	<0.014
trans-1,2-Dichloroethene	--	<0.011	<0.023	<0.022	<0.021	<0.022	<0.022	<0.022	<0.024
trans-1,3-Dichloropropene	--	<0.019	<0.041	<0.039	<0.036	<0.039	<0.038	<0.037	<0.042
1,1-Difluoroethane	42,000***	**0.81**	**0.55**	**0.37**	**0.29**	**4.9**	**22**	**28**	**180**
Ethylbenzene	**1.1****	**0.24**	**0.60**	**0.33**	**1.7**	**1.5**	**0.71**	**0.46**	**0.63**
Methylene chloride	--	<0.011	<0.024	<0.023	<0.021	<0.023	<0.022	<0.022	<0.025
Tetrachloroethene (PCE)	**0.46**	<0.016	<0.034	<0.033	<0.030	<0.033	<0.032	<0.032	<0.035
Toluene	310*	**2.3**	**2.9**	**2.8**	**4.8**	**3.7**	**6.6**	**7.5**	**33**
1,1,1-Trichloroethane	1000*	<0.0079	<0.017	<0.016	<0.015	<0.016	**0.55**	<0.016	**0.62**
1,1,2-Trichloroethane	--	<0.0079	<0.017	<0.016	<0.015	<0.016	<0.016	<0.016	<0.018
Trichloroethene (TCE)	--	<0.014	<0.030	<0.028	<0.026	<0.028	<0.028	<0.027	<0.031
Trichlorofluoromethane	1300*	**1.4**	**1.5**	**2.3**	**1.6**	**1.4**	**1.4**	**1.4**	**1.3**
1,1,2-Trichloro-1,2,2-trifluoroethane	5,200 ***	<0.011	<0.024	<0.023	<0.022	<0.023	<0.022	<0.022	<0.025
Vinyl chloride	--	<0.0066	<0.014	<0.014	<0.013	<0.013	<0.013	<0.013	<0.015
m,p-Xylene	--	**0.82**	**1.9**	**0.91**	**8.9**	**6.7**	**2.2**	**1.4**	**2.4**
o-Xylene	--	**0.32**	**0.67**	**0.43**	**2.1**	**1.9**	**0.81**	**0.65**	**0.86**
Total xylenes	100**	**1.1**	**2.6**	**1.3**	**11**	**8.7**	**3.0**	**2.0**	**3.2**

TABLE 2

CHEMICAL ANALYTICAL RESULTS OF INDOOR AND OUTDOOR AIR SAMPLES BY US EPA METHOD TO-15 SIM

2401, 2415, and 2421 S. Santa Fe Ave., Los Angeles, CA

Results in micrograms per cubic meter (ug/m3)

Sample Dates: May 16, 2022 to May 17, 2022 (~24 hours)

	INDOOR	OUTDOOR (AMBIENT) AIR SAMPLES		
LOCATION:	AIR SL's	SW	S	NW
CHEMICAL NAME	Residential	AA-1	AA-2	AA-3
Acetone	31,000**	**4.8**	**4.6**	**4.4**
Benzene	**0.097**	**0.37**	**0.33**	**0.33**
Benzyl chloride	--	<0.0084	<0.0080	<0.0080
Carbon tetrachloride	--	<0.010	<0.0096	<0.0096
Chlorobenzene	--	<0.013	<0.012	<0.012
Chloroform	--	<0.0094	<0.0089	<0.0089
1,2-Dibromoethane (EDB)	--	<0.023	<0.021	<0.021
1,2-Dichlorobenzene	--	<0.018	<0.017	<0.017
1,3-Dichlorobenzene	--	<0.021	<0.020	<0.020
1,4-Dichlorobenzene	--	<0.026	<0.024	<0.024
Dichlorodifluoromethane	100***	**3.1**	**2.8**	**3.1**
1,1-Dichloroethane	--	<0.0066	<0.0063	<0.0063
1,2-Dichloroethane	--	<0.0075	<0.0070	<0.0070
1,1-Dichloroethene	--	<0.013	<0.012	<0.012
cis-1,2-Dichloroethene	--	<0.0071	<0.0067	<0.0067
trans-1,2-Dichloroethene	--	<0.012	<0.011	<0.011
trans-1,3-Dichloropropene	--	<0.021	<0.020	<0.020
1,1-Difluoroethane	42,000***	<0.0044	<0.0041	<0.0041
Ethylbenzene	**1.1****	**0.19**	**0.19**	**0.21**
Methylene chloride	--	<0.012	<0.012	<0.012
Tetrachloroethene (PCE)	**0.46**	<0.018	<0.017	<0.017
Toluene	310*	**1.7**	**1.5**	**1.7**
1,1,1-Trichloroethane	1000*	<0.0089	<0.0084	<0.0084
1,1,2-Trichloroethane	--	<0.0089	<0.0084	<0.0084
Trichloroethene (TCE)	--	<0.015	<0.015	<0.015
Trichlorofluoromethane	1300*	**1.5**	**1.4**	**1.5**
1,1,2-Trichloro-1,2,2-trifluoroethane	5,200 ***	<0.013	**0.55**	<0.012
Vinyl chloride	--	<0.0075	<0.0070	<0.0070
m,p-Xylene	--	**0.56**	**0.53**	**0.67**
o-Xylene	--	**0.23**	**0.24**	**0.26**
Total xylenes	100**	**0.79**	**0.76**	**0.92**

TABLE 2

CHEMICAL ANALYTICAL RESULTS OF INDOOR AND OUTDOOR AIR SAMPLES BY US EPA METHOD TO-15 SIM

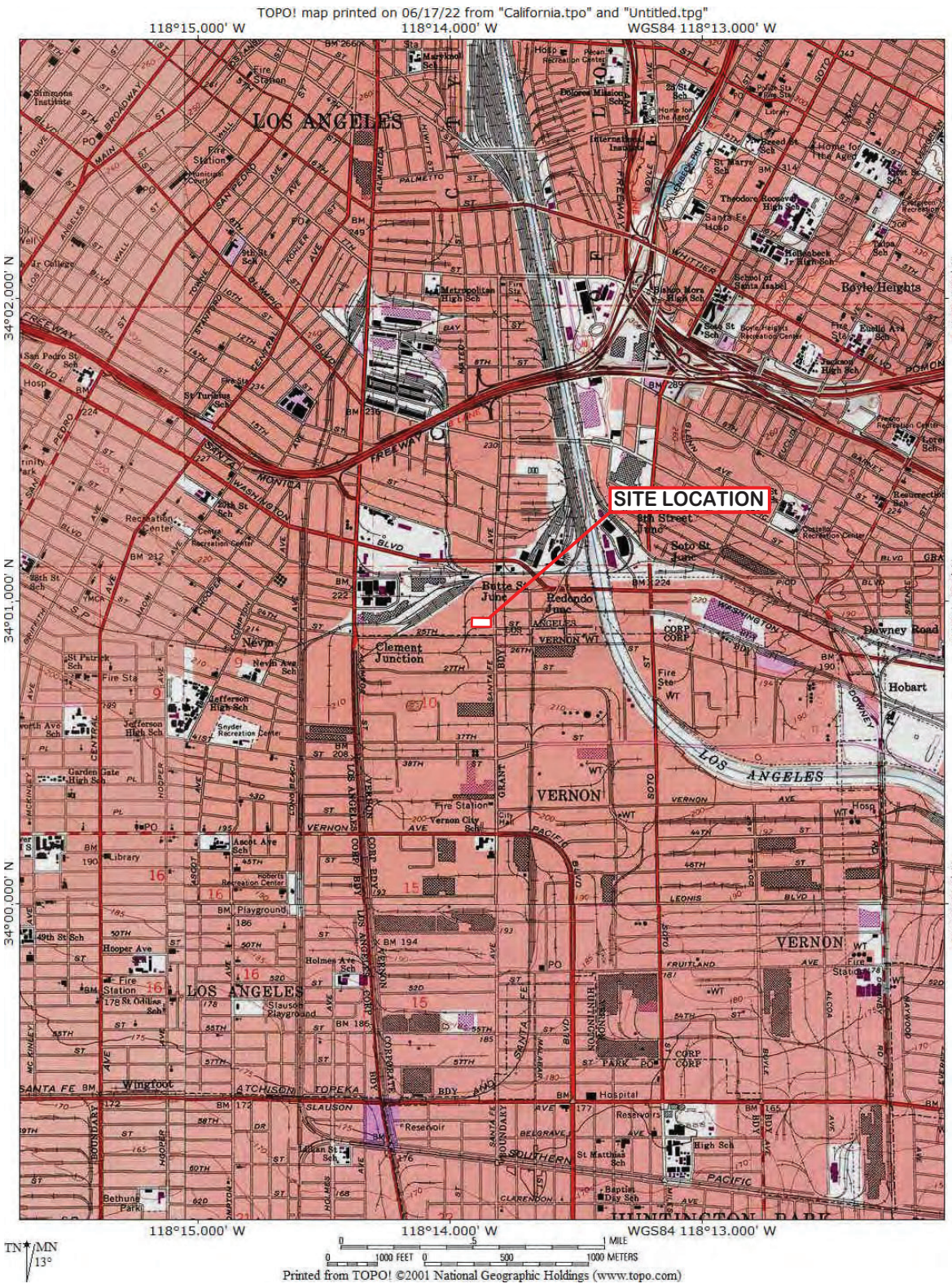
2401, 2415, and 2421 S. Santa Fe Ave., Los Angeles, CA

Results in micrograms per cubic meter (ug/m3)

Sample Dates: May 16, 2022 to May 17, 2022 (~24 hours)

	Outdoor (Ambient) Air Sample Data
	Exceeds Screening Level for Residential Indoor Air
Screening Levels	California Department of Toxic Substances Control (DTSC), Human Health Risk Assessment (HHRA) Note No. 3 Screening Levels (SLs) for Residential Indoor Air, Cancer Endpoint, June 2020 - Revised May 2022
<0.009	Less than the laboratory method detection limit as specified in table.
*	DTSC-SL, Noncancer Endpoint, June 2020 - Revised May 2022
**	No screening level for indoor air specified in DTSC-SLs. Screening level as specified by the California Regional Water Quality Control Board, San Francisco Region - Environmental Screening Levels (RWQCB-SFR-ESLs) dated January 2019.
***	No screening level for indoor air specified in DTSC-SLs or RWQCB-SFR-ESLs. Screening level as specified by the US EPA Regional Screening Levels (RSLs) dated May 2022.
--	Chemical not detected or no screening level for indoor air specified in DTSC-SLs, RWQCB-SFR-ELSs, or US EPA RSLs.

FIGURES



GEOENVIRO SERVICES, INC.

SITE LOCATION MAP

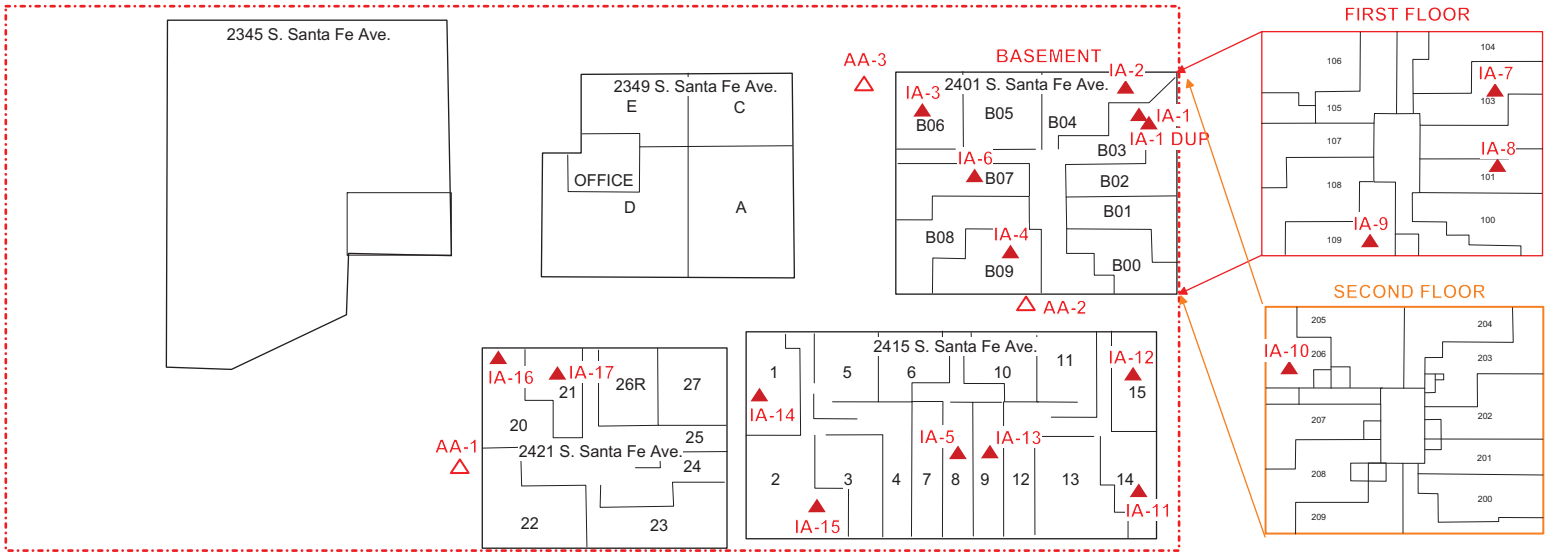
2401 - 2421 S. SANTA FE AVE.
LOS ANGELES, CA

OCTOBER 2022 **FIGURE 1**

DRAWN BY: JPS
REVISION DATE: OCTOBER 2022

CLIENT: EDN
JOB NO.: 22-491

NORTH



LEGEND

- IA-15 — INDOOR AIR SAMPLE LOCATION, GESI 5/16-5/17/2022
- AA-2 — OUTDOOR (AMBIENT) AIR SAMPLE LOCATION, GESI 5/16-5/17/2022
- PROPERTY BOUNDARY

DRAWN BY: JPS
REVISION: OCTOBER 2022
CLIENT: EDN
JOB No. 22-491

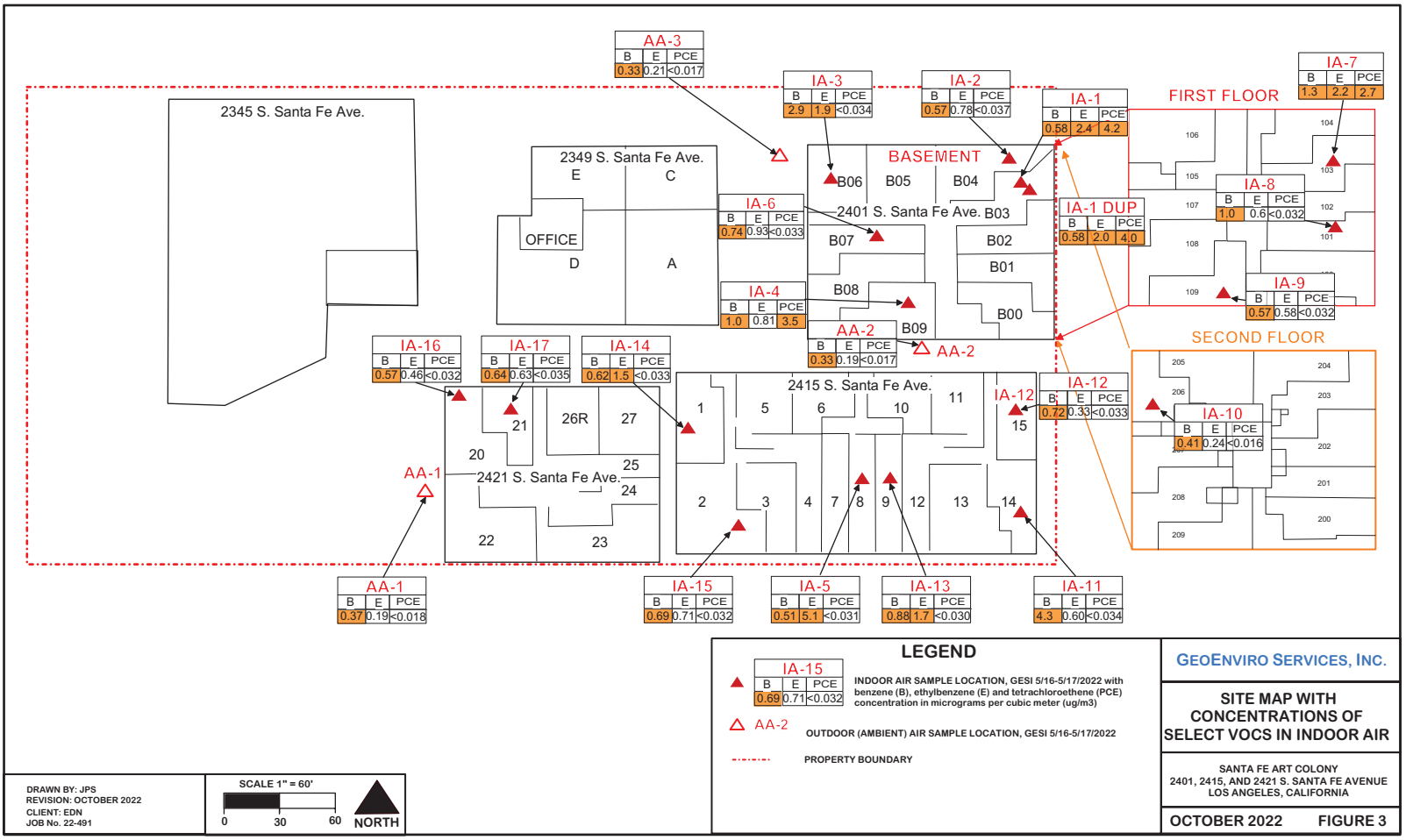
SCALE 1" = 60'
0 30 60
NORTH

GEOENVIRO SERVICES, INC.

SITE MAP WITH AIR SAMPLE LOCATIONS

SANTA FE ART COLONY
2401, 2415, AND 2421 S. SANTA FE AVENUE
LOS ANGELES, CALIFORNIA

OCTOBER 2022 FIGURE 2



LEGEND

IA-15 (B 0.69, E 0.71, PCE <0.032) — INDOOR AIR SAMPLE LOCATION, GESI 5/16-5/17/2022 with benzene (B), ethylbenzene (E) and tetrachloroethene (PCE) concentration in micrograms per cubic meter (ug/m3)

AA-2 — OUTDOOR (AMBIENT) AIR SAMPLE LOCATION, GESI 5/16-5/17/2022

PROPERTY BOUNDARY

DRAWN BY: JPS
REVISION: OCTOBER 2022
CLIENT: EDN
JOB No. 22-491

SCALE 1" = 60'
0 30 60
NORTH

GEOENVIRO SERVICES, INC.

SITE MAP WITH CONCENTRATIONS OF SELECT VOCS IN INDOOR AIR

SANTA FE ART COLONY
2401, 2415, AND 2421 S. SANTA FE AVENUE
LOS ANGELES, CALIFORNIA

OCTOBER 2022 FIGURE 3

ATTACHMENT D
AIR SAMPLE LABORATORY ANALYTICAL REPORTS AND CHAIN OF CUSTODY DOCUMENTATION

Pace Analytical
ENVIRONMENTAL SCIENCES

Date of Report: 05/20/2022

Joe Schaaf

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

Client Project:	[none]
BCL Project:	22-491 SFAC
BCL Work Order:	2211576
Invoice ID:	B449342

Enclosed are the results of analyses for samples received by the laboratory on 5/17/2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Ragen Schallock
Client Service Rep

Stuart Buttram
Operations Manager

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

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2211576-02 - IA-1 DUP

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP) 8

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Quality Control Reports

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

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Pace® ANALYTICAL SERVICES 4100 Atlas Ct. - Bakersfield, CA 93308 - 661.327.4911 - Fax: 661.327.1918 - www.pacelabs.com

Air Chain of Custody Form

RUSH!

Page 1 of 1

Report To:
Client: Geoenviro Services Inc.
Attn: Joseph Schaaf
Street Address: 79 E Daily Dr. #107
City, State, Zip: Camarillo CA 93010
Phone: 805 6200550 Fax:
Email: jschaaf@geoenviro Services.com
Work Order #: 22-11576

Project #: 22-491
Project Name: SFAC
Sampler(s): (Print) J. Schaaf

Analysis Requested: TO-15 SIM

Comments: 5/16/22 5/17/22

DATA PACKAGE: ☐ Yes ☒ No (If "Yes", Select one) ☐ III ☐ IV
UNITS (select one): ☐ ppbv ☒ µg/m3

Sample #	Sample ID	Field ID / Point Of Collection	Date Sampled	Time Sampled	TO-15 SIM	Air Type: Soil Vapor (SV) Ambient (A)	Initial Pressure ("Hg)	Canister ID #	Flow Controller ID #	Start Sampling Time	Start Canister Pressure ("Hg)	Stop Sampling Time	Stop Canister Pressure ("Hg)	Lab Received Pressure (psia)	Notes
-1	IA-1	2401 B03	5/16/22 - 5/17/22	840 - 827	X	A	30.5	37508	10007	840	30.5	827	5		
-2	IA-1 DUP	2401 B03	5/16/22 - 5/17/22	938 - 827	X	A	30	0674	07631	938	30	827	5		
-3	AA-2	OUTSIDE NW CORNER of 2401	5/16/22 5/17/22	1058 1042	X	A	30	682	10010	1058	30	1042	3		

CHK BY: MC
DISTRIBUTION: MC
SUB OUT ☐

Billing ☒ Same as above
Client:
Street Address:
City: State: Zip:
Attn: Fax:
P.O.#:

Result Request: ☐ STD (10 Days) ☐ 5 Day** ☐ 4 Day** ☐ 3 Day** ☒ 2 Day** ☐ 1 Day**
**Surcharge

Relinquished By	Date	Time	Received By	Date	Time
1. [signature]	5/17/22	1345	1. [signature]	5/17/22	1345
2. [signature]	5/17/22		2. Miguel [signature]	5/17/22	
3. Miguel [signature]	5/17/22	5:28	3. [signature]	5/17/22	1728

Pace Analytical Bakersfield does not accept samples containing radioactive material above background levels. Samples containing radioactive material must be disclosed prior to receipt. Any samples suspected of containing radioactive material above background levels will not be accepted and will be returned to client.

Chain of Custody and Cooler Receipt Form for 2211576 Page 2 of 2

BC LABORATORIES INC. COOLER RECEIPT FORM Page 1 of 1

Submission #: 22-11576

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ GSO / GLS ☐ Hand Delivery ☐ BC Lab Field Service ☒ Other ☐ (Specify)_____	Ice Chest ☐ None ☐ Box ☑ Other ☐ (Specify)_____	YES ☐ NO ☑ W / S

Refrigerant: Ice ☐ Blue Ice ☐ None ☑ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: — Container: Summa Thermometer ID: —

Temperature: (A) Room °C / (C) Temp °C

Date/Time 5/17/22

Analyst Init EC1 1728

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER	A	A	A							

Comments:

Sample Numbering Completed By: EC1 Date/Time: 5/17/22 1837

A = Actual / C = Corrected

Rev 22 04/13/21

I:\WP\DocWordPerfect\LAB_DOCS\FORMS\SAMREC.rev 20

Pace Analytical
ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

Reported: 05/20/2022 9:47
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2211576-01	**COC Number:**	---	**Receive Date:**	05/17/2022 17:28
	Project Number:	---	**Sampling Date:**	05/17/2022 08:27
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	IA-1	**Lab Matrix:**	Air
	Sampled By:	---	**Sample Type:**	Vapor or Air
2211576-02	**COC Number:**	---	**Receive Date:**	05/17/2022 17:28
	Project Number:	---	**Sampling Date:**	05/17/2022 08:27
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	IA-1 DUP	**Lab Matrix:**	Air
	Sampled By:	---	**Sample Type:**	Vapor or Air
2211576-03	**COC Number:**	---	**Receive Date:**	05/17/2022 17:28
	Project Number:	---	**Sampling Date:**	05/17/2022 10:42
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	AA-2	**Lab Matrix:**	Air
	Sampled By:	---	**Sample Type:**	Vapor or Air

Pace Analytical
ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

Reported: 05/20/2022 9:47
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

BCL Sample ID: 2211576-01 | **Client Sample Name:** IA-1, 5/17/2022 8:27:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Acetone	**51**	**ug/m3**	**16**	**0.12**	**EPA-TO-15-SIM**	ND	**A01**	1
Benzene	**0.58**	**ug/m3**	**0.16**	**0.0099**	**EPA-TO-15-SIM**	ND	**A01**	2
Benzyl chloride	ND	ug/m3	1.6	0.016	EPA-TO-15-SIM	ND	A01	2
Carbon tetrachloride	ND	ug/m3	0.62	0.020	EPA-TO-15-SIM	ND	A01	2
Chlorobenzene	ND	ug/m3	0.31	0.024	EPA-TO-15-SIM	ND	A01,L07	2
Chloroform	ND	ug/m3	0.16	0.018	EPA-TO-15-SIM	ND	A01	2
1,2-Dibromoethane	ND	ug/m3	0.62	0.043	EPA-TO-15-SIM	ND	A01	2
1,2-Dichlorobenzene	ND	ug/m3	0.62	0.034	EPA-TO-15-SIM	ND	A01	2
1,3-Dichlorobenzene	ND	ug/m3	0.62	0.040	EPA-TO-15-SIM	ND	A01	2
1,4-Dichlorobenzene	ND	ug/m3	0.62	0.050	EPA-TO-15-SIM	ND	A01	2
Dichlorodifluoromethane	**2.8**	**ug/m3**	**0.16**	**0.016**	**EPA-TO-15-SIM**	ND	**A01**	2
1,1-Dichloroethane	ND	ug/m3	0.16	0.013	EPA-TO-15-SIM	ND	A01	2
1,2-Dichloroethane	ND	ug/m3	0.31	0.014	EPA-TO-15-SIM	ND	A01	2
1,1-Dichloroethene	ND	ug/m3	0.16	0.024	EPA-TO-15-SIM	ND	A01	2
cis-1,2-Dichloroethene	ND	ug/m3	0.16	0.014	EPA-TO-15-SIM	ND	A01	2
trans-1,2-Dichloroethene	ND	ug/m3	0.16	0.023	EPA-TO-15-SIM	ND	A01	2
trans-1,3-Dichloropropene	ND	ug/m3	0.16	0.040	EPA-TO-15-SIM	ND	A01	2
1,1-Difluoroethane	**2.4**	**ug/m3**	**16**	**0.0084**	**EPA-TO-15-SIM**	ND	**J,A01**	2
Ethylbenzene	**2.4**	**ug/m3**	**0.16**	**0.053**	**EPA-TO-15-SIM**	ND	**A01**	2
Methylene chloride	ND	ug/m3	0.62	0.024	EPA-TO-15-SIM	ND	A01	2
Tetrachloroethene	**4.2**	**ug/m3**	**0.31**	**0.034**	**EPA-TO-15-SIM**	ND	**A01**	2
Toluene	**10**	**ug/m3**	**1.6**	**0.096**	**EPA-TO-15-SIM**	ND	**A01**	1
1,1,1-Trichloroethane	ND	ug/m3	0.31	0.017	EPA-TO-15-SIM	ND	A01	2
1,1,2-Trichloroethane	ND	ug/m3	0.31	0.017	EPA-TO-15-SIM	ND	A01	2
Trichloroethene	ND	ug/m3	0.31	0.029	EPA-TO-15-SIM	ND	A01	2
Trichlorofluoromethane	**1.3**	**ug/m3**	**0.16**	**0.018**	**EPA-TO-15-SIM**	ND	**A01**	2
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.49**	**ug/m3**	**0.31**	**0.024**	**EPA-TO-15-SIM**	ND	**A01**	2
Vinyl chloride	ND	ug/m3	0.062	0.014	EPA-TO-15-SIM	ND	A01	2
p- & m-Xylenes	**13**	**ug/m3**	**0.16**	**0.025**	**EPA-TO-15-SIM**	ND	**A01**	2
o-Xylene	**2.6**	**ug/m3**	**0.16**	**0.014**	**EPA-TO-15-SIM**	ND	**A01**	2
Total Xylenes	**16**	**ug/m3**	**0.31**	**0.040**	**EPA-TO-15-SIM**	ND	**A01**	2
4-Bromofluorobenzene (Surrogate)	92.2	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			1
4-Bromofluorobenzene (Surrogate)	145	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			2

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Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

Reported: 05/20/2022 9:47
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

BCL Sample ID: 2211576-01 | **Client Sample Name:** IA-1, 5/17/2022 8:27:00AM

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	
1	EPA-TO-15-SIM	05/17/22 20:00	05/18/22 00:04	BEP	MS-A2	15.500	B139747	EPA TO-15
2	EPA-TO-15-SIM	05/17/22 20:00	05/17/22 21:52	BEP	MS-A2	3.100	B139747	EPA TO-15

DCN = Data Continuation Number

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Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

Reported: 05/20/2022 9:47
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

BCL Sample ID: 2211576-02 | **Client Sample Name:** IA-1 DUP, 5/17/2022 8:27:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Acetone	**50**	**ug/m3**	**15**	**0.11**	**EPA-TO-15-SIM**	ND	**A01**	1
Benzene	**0.58**	**ug/m3**	**0.15**	**0.0097**	**EPA-TO-15-SIM**	ND	**A01**	2
Benzyl chloride	ND	ug/m3	1.5	0.016	EPA-TO-15-SIM	ND	A01	2
Carbon tetrachloride	ND	ug/m3	0.60	0.019	EPA-TO-15-SIM	ND	A01	2
Chlorobenzene	ND	ug/m3	0.30	0.024	EPA-TO-15-SIM	ND	A01,L07	2
Chloroform	ND	ug/m3	0.15	0.018	EPA-TO-15-SIM	ND	A01	2
1,2-Dibromoethane	ND	ug/m3	0.60	0.042	EPA-TO-15-SIM	ND	A01	2
1,2-Dichlorobenzene	ND	ug/m3	0.60	0.033	EPA-TO-15-SIM	ND	A01	2
1,3-Dichlorobenzene	ND	ug/m3	0.60	0.039	EPA-TO-15-SIM	ND	A01	2
1,4-Dichlorobenzene	ND	ug/m3	0.60	0.048	EPA-TO-15-SIM	ND	A01	2
Dichlorodifluoromethane	**2.8**	**ug/m3**	**0.15**	**0.016**	**EPA-TO-15-SIM**	ND	**A01**	2
1,1-Dichloroethane	ND	ug/m3	0.15	0.012	EPA-TO-15-SIM	ND	A01	2
1,2-Dichloroethane	ND	ug/m3	0.30	0.014	EPA-TO-15-SIM	ND	A01	2
1,1-Dichloroethene	ND	ug/m3	0.15	0.024	EPA-TO-15-SIM	ND	A01	2
cis-1,2-Dichloroethene	ND	ug/m3	0.15	0.013	EPA-TO-15-SIM	ND	A01	2
trans-1,2-Dichloroethene	ND	ug/m3	0.15	0.023	EPA-TO-15-SIM	ND	A01	2
trans-1,3-Dichloropropene	ND	ug/m3	0.15	0.039	EPA-TO-15-SIM	ND	A01	2
1,1-Difluoroethane	**2.4**	**ug/m3**	**15**	**0.0082**	**EPA-TO-15-SIM**	ND	**J,A01**	2
Ethylbenzene	**2.0**	**ug/m3**	**0.15**	**0.051**	**EPA-TO-15-SIM**	ND	**A01**	2
Methylene chloride	ND	ug/m3	0.60	0.023	EPA-TO-15-SIM	ND	A01	2
Tetrachloroethene	**4.0**	**ug/m3**	**0.30**	**0.033**	**EPA-TO-15-SIM**	ND	**A01**	2
Toluene	**9.6**	**ug/m3**	**1.5**	**0.094**	**EPA-TO-15-SIM**	ND	**A01**	1
1,1,1-Trichloroethane	ND	ug/m3	0.30	0.017	EPA-TO-15-SIM	ND	A01	2
1,1,2-Trichloroethane	ND	ug/m3	0.30	0.017	EPA-TO-15-SIM	ND	A01	2
Trichloroethene	ND	ug/m3	0.30	0.029	EPA-TO-15-SIM	ND	A01	2
Trichlorofluoromethane	**1.3**	**ug/m3**	**0.15**	**0.017**	**EPA-TO-15-SIM**	ND	**A01**	2
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.49**	**ug/m3**	**0.30**	**0.024**	**EPA-TO-15-SIM**	ND	**A01**	2
Vinyl chloride	ND	ug/m3	0.060	0.014	EPA-TO-15-SIM	ND	A01	2
p- & m-Xylenes	**11**	**ug/m3**	**0.15**	**0.025**	**EPA-TO-15-SIM**	ND	**A01**	2
o-Xylene	**2.1**	**ug/m3**	**0.15**	**0.013**	**EPA-TO-15-SIM**	ND	**A01**	2
Total Xylenes	**13**	**ug/m3**	**0.30**	**0.039**	**EPA-TO-15-SIM**	ND	**A01**	2
4-Bromofluorobenzene (Surrogate)	92.7	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			1
4-Bromofluorobenzene (Surrogate)	122	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			2

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Geoenviro Services, Inc - Camarillo
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Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

BCL Sample ID: 2211576-02 | **Client Sample Name:** IA-1 DUP, 5/17/2022 8:27:00AM

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	
1	EPA-TO-15-SIM	05/17/22 20:00	05/18/22 00:34	BEP	MS-A2	15.100	B139747	EPA TO-15
2	EPA-TO-15-SIM	05/17/22 20:00	05/17/22 22:25	BEP	MS-A2	3.020	B139747	EPA TO-15

DCN = Data Continuation Number

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Geoenviro Services, Inc - Camarillo
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Camarillo, CA 93010

Reported: 05/20/2022 9:47
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

BCL Sample ID: 2211576-03 | **Client Sample Name:** AA-2, 5/17/2022 10:42:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Acetone	**4.6**	**ug/m3**	**1.5**	**0.011**	**EPA-TO-15-SIM**	ND	**A01**	1
Benzene	**0.33**	**ug/m3**	**0.076**	**0.0049**	**EPA-TO-15-SIM**	ND	**A01**	1
Benzyl chloride	ND	ug/m3	0.76	0.0080	EPA-TO-15-SIM	ND	A01	1
Carbon tetrachloride	ND	ug/m3	0.31	0.0096	EPA-TO-15-SIM	ND	A01	1
Chlorobenzene	ND	ug/m3	0.15	0.012	EPA-TO-15-SIM	ND	A01,L07	1
Chloroform	ND	ug/m3	0.076	0.0089	EPA-TO-15-SIM	ND	A01	1
1,2-Dibromoethane	ND	ug/m3	0.31	0.021	EPA-TO-15-SIM	ND	A01	1
1,2-Dichlorobenzene	ND	ug/m3	0.31	0.017	EPA-TO-15-SIM	ND	A01	1
1,3-Dichlorobenzene	ND	ug/m3	0.31	0.020	EPA-TO-15-SIM	ND	A01	1
1,4-Dichlorobenzene	ND	ug/m3	0.31	0.024	EPA-TO-15-SIM	ND	A01	1
Dichlorodifluoromethane	**2.8**	**ug/m3**	**0.076**	**0.0080**	**EPA-TO-15-SIM**	ND	**A01**	1
1,1-Dichloroethane	ND	ug/m3	0.076	0.0063	EPA-TO-15-SIM	ND	A01	1
1,2-Dichloroethane	ND	ug/m3	0.15	0.0070	EPA-TO-15-SIM	ND	A01	1
1,1-Dichloroethene	ND	ug/m3	0.076	0.012	EPA-TO-15-SIM	ND	A01	1
cis-1,2-Dichloroethene	ND	ug/m3	0.076	0.0067	EPA-TO-15-SIM	ND	A01	1
trans-1,2-Dichloroethene	ND	ug/m3	0.076	0.011	EPA-TO-15-SIM	ND	A01	1
trans-1,3-Dichloropropene	ND	ug/m3	0.076	0.020	EPA-TO-15-SIM	ND	A01	1
1,1-Difluoroethane	ND	ug/m3	7.6	0.0041	EPA-TO-15-SIM	ND	A01	1
Ethylbenzene	**0.19**	**ug/m3**	**0.076**	**0.026**	**EPA-TO-15-SIM**	ND	**A01**	1
Methylene chloride	ND	ug/m3	0.31	0.012	EPA-TO-15-SIM	ND	A01	1
Tetrachloroethene	ND	ug/m3	0.15	0.017	EPA-TO-15-SIM	ND	A01	1
Toluene	**1.5**	**ug/m3**	**0.15**	**0.0095**	**EPA-TO-15-SIM**	ND	**A01**	1
1,1,1-Trichloroethane	ND	ug/m3	0.15	0.0084	EPA-TO-15-SIM	ND	A01	1
1,1,2-Trichloroethane	ND	ug/m3	0.15	0.0084	EPA-TO-15-SIM	ND	A01	1
Trichloroethene	ND	ug/m3	0.15	0.015	EPA-TO-15-SIM	ND	A01	1
Trichlorofluoromethane	**1.4**	**ug/m3**	**0.076**	**0.0087**	**EPA-TO-15-SIM**	ND	**A01**	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.55**	**ug/m3**	**0.15**	**0.012**	**EPA-TO-15-SIM**	ND	**A01**	1
Vinyl chloride	ND	ug/m3	0.031	0.0070	EPA-TO-15-SIM	ND	A01	1
p- & m-Xylenes	**0.53**	**ug/m3**	**0.076**	**0.013**	**EPA-TO-15-SIM**	ND	**A01**	1
o-Xylene	**0.24**	**ug/m3**	**0.076**	**0.0067**	**EPA-TO-15-SIM**	ND	**A01**	1
Total Xylenes	**0.76**	**ug/m3**	**0.15**	**0.020**	**EPA-TO-15-SIM**	ND	**A01**	1
4-Bromofluorobenzene (Surrogate)	104	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			1

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Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

Reported: 05/20/2022 9:47
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

BCL Sample ID: 2211576-03 | **Client Sample Name:** AA-2, 5/17/2022 10:42:00AM

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	
1	EPA-TO-15-SIM	05/17/22 20:00	05/17/22 23:34	BEP	MS-A2	1.530	B139747	EPA TO-15

DCN = Data Continuation Number

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Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

Reported: 05/20/2022 9:47
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B139747						
Acetone	B139747-BLK1	ND	ug/m3	1.0	0.0075	
Benzene	B139747-BLK1	ND	ug/m3	0.050	0.0032	
Benzyl chloride	B139747-BLK1	ND	ug/m3	0.50	0.0052	
Carbon tetrachloride	B139747-BLK1	ND	ug/m3	0.20	0.0063	
Chlorobenzene	B139747-BLK1	ND	ug/m3	0.10	0.0079	
Chloroform	B139747-BLK1	ND	ug/m3	0.050	0.0058	
1,2-Dibromoethane	B139747-BLK1	ND	ug/m3	0.20	0.014	
1,2-Dichlorobenzene	B139747-BLK1	ND	ug/m3	0.20	0.011	
1,3-Dichlorobenzene	B139747-BLK1	ND	ug/m3	0.20	0.013	
1,4-Dichlorobenzene	B139747-BLK1	ND	ug/m3	0.20	0.016	
Dichlorodifluoromethane	B139747-BLK1	ND	ug/m3	0.050	0.0052	
1,1-Dichloroethane	B139747-BLK1	ND	ug/m3	0.050	0.0041	
1,2-Dichloroethane	B139747-BLK1	ND	ug/m3	0.10	0.0046	
1,1-Dichloroethene	B139747-BLK1	ND	ug/m3	0.050	0.0078	
cis-1,2-Dichloroethene	B139747-BLK1	ND	ug/m3	0.050	0.0044	
trans-1,2-Dichloroethene	B139747-BLK1	ND	ug/m3	0.050	0.0075	
trans-1,3-Dichloropropene	B139747-BLK1	ND	ug/m3	0.050	0.013	
1,1-Difluoroethane	B139747-BLK1	ND	ug/m3	5.0	0.0027	
Ethylbenzene	B139747-BLK1	ND	ug/m3	0.050	0.017	
Methylene chloride	B139747-BLK1	ND	ug/m3	0.20	0.0077	
Tetrachloroethene	B139747-BLK1	ND	ug/m3	0.10	0.011	
Toluene	B139747-BLK1	ND	ug/m3	0.10	0.0062	
1,1,1-Trichloroethane	B139747-BLK1	ND	ug/m3	0.10	0.0055	
1,1,2-Trichloroethane	B139747-BLK1	ND	ug/m3	0.10	0.0055	
Trichloroethene	B139747-BLK1	ND	ug/m3	0.10	0.0095	
Trichlorofluoromethane	B139747-BLK1	ND	ug/m3	0.050	0.0057	
1,1,2-Trichloro-1,2,2-trifluoroethane	B139747-BLK1	ND	ug/m3	0.10	0.0078	
Vinyl chloride	B139747-BLK1	ND	ug/m3	0.020	0.0046	
p- & m-Xylenes	B139747-BLK1	ND	ug/m3	0.050	0.0082	
o-Xylene	B139747-BLK1	ND	ug/m3	0.050	0.0044	
Total Xylenes	B139747-BLK1	ND	ug/m3	0.10	0.013	
4-Bromofluorobenzene (Surrogate)	**B139747-BLK1**	**71.3**	%	**50 - 150 (LCL - UCL)**		

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Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

Reported: 05/20/2022 9:47
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: B139747										
Benzene	B139747-BS1	LCS	0.29526	0.31948	ug/m3	92.4		70 - 130		
	B139747-BSD1	LCSD	0.29120	0.31948	ug/m3	91.1	1.4	70 - 130	30	
Benzyl chloride	B139747-BS1	LCS	0.55505	0.51772	ug/m3	107		70 - 130		
	B139747-BSD1	LCSD	0.56924	0.51772	ug/m3	110	2.5	70 - 130	30	
Carbon tetrachloride	B139747-BS1	LCS	0.67682	0.62913	ug/m3	108		70 - 130		
	B139747-BSD1	LCSD	0.67003	0.62913	ug/m3	106	1.0	70 - 130	30	
Chlorobenzene	**B139747-BS1**	LCS	**0.59409**	**0.46036**	**ug/m3**	**129**		**70 - 130**		
	B139747-BSD1	LCSD	**0.60804**	**0.46036**	**ug/m3**	**132**	**2.3**	**70 - 130**	**30**	**L07**
Chloroform	B139747-BS1	LCS	0.54343	0.48825	ug/m3	111		70 - 130		
	B139747-BSD1	LCSD	0.53508	0.48825	ug/m3	110	1.5	70 - 130	30	
1,2-Dibromoethane	B139747-BS1	LCS	0.92409	0.76835	ug/m3	120		70 - 130		
	B139747-BSD1	LCSD	0.96282	0.76835	ug/m3	125	4.1	70 - 130	30	
1,2-Dichlorobenzene	B139747-BS1	LCS	0.57532	0.60124	ug/m3	95.7		70 - 130		
	B139747-BSD1	LCSD	0.58915	0.60124	ug/m3	98.0	2.4	70 - 130	30	
1,3-Dichlorobenzene	B139747-BS1	LCS	0.61182	0.60124	ug/m3	102		70 - 130		
	B139747-BSD1	LCSD	0.57472	0.60124	ug/m3	95.6	6.3	70 - 130	30	
1,4-Dichlorobenzene	B139747-BS1	LCS	0.59985	0.60124	ug/m3	99.8		70 - 130		
	B139747-BSD1	LCSD	0.57352	0.60124	ug/m3	95.4	4.5	70 - 130	30	
1,1-Dichloroethane	B139747-BS1	LCS	0.45076	0.40474	ug/m3	111		70 - 130		
	B139747-BSD1	LCSD	0.44194	0.40474	ug/m3	109	2.0	70 - 130	30	
1,2-Dichloroethane	B139747-BS1	LCS	0.44177	0.40474	ug/m3	109		70 - 130		
	B139747-BSD1	LCSD	0.43582	0.40474	ug/m3	108	1.4	70 - 130	30	
1,1-Dichloroethene	B139747-BS1	LCS	0.36779	0.39649	ug/m3	92.8		70 - 130		
	B139747-BSD1	LCSD	0.36858	0.39649	ug/m3	93.0	0.2	70 - 130	30	
cis-1,2-Dichloroethene	B139747-BS1	LCS	0.35514	0.39649	ug/m3	89.6		70 - 130		
	B139747-BSD1	LCSD	0.35014	0.39649	ug/m3	88.3	1.4	70 - 130	30	
Methylene chloride	B139747-BS1	LCS	0.33855	0.34737	ug/m3	97.5		70 - 130		
	B139747-BSD1	LCSD	0.32688	0.34737	ug/m3	94.1	3.5	70 - 130	30	
Tetrachloroethene	B139747-BS1	LCS	0.76378	0.67825	ug/m3	113		70 - 130		
	B139747-BSD1	LCSD	0.79220	0.67825	ug/m3	117	3.7	70 - 130	30	
Toluene	B139747-BS1	LCS	0.42470	0.37684	ug/m3	113		70 - 130		
	B139747-BSD1	LCSD	0.44030	0.37684	ug/m3	117	3.6	70 - 130	30	
1,1,1-Trichloroethane	B139747-BS1	LCS	0.59331	0.54562	ug/m3	109		70 - 130		
	B139747-BSD1	LCSD	0.58430	0.54562	ug/m3	107	1.5	70 - 130	30	
1,1,2-Trichloroethane	B139747-BS1	LCS	0.69245	0.54562	ug/m3	127		70 - 130		
	B139747-BSD1	LCSD	0.70696	0.54562	ug/m3	130	2.1	70 - 130	30	

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Geoenviro Services, Inc - Camarillo
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Reported: 05/20/2022 9:47
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: B139747										
Trichloroethene	B139747-BS1	LCS	0.61459	0.53737	ug/m3	114		70 - 130		
	B139747-BSD1	LCSD	0.63045	0.53737	ug/m3	117	2.5	70 - 130	30	
Vinyl chloride	B139747-BS1	LCS	0.29838	0.25562	ug/m3	117		70 - 130		
	B139747-BSD1	LCSD	0.32149	0.25562	ug/m3	126	7.5	70 - 130	30	
p- & m-Xylenes	B139747-BS1	LCS	0.82444	0.86843	ug/m3	94.9		70 - 130		
	B139747-BSD1	LCSD	0.82991	0.86843	ug/m3	95.6	0.7	70 - 130	30	
o-Xylene	B139747-BS1	LCS	0.39922	0.43421	ug/m3	91.9		70 - 130		
	B139747-BSD1	LCSD	0.40386	0.43421	ug/m3	93.0	1.2	70 - 130	30	
Total Xylenes	B139747-BS1	LCS	1.2237	1.3026	ug/m3	93.9		70 - 130		
	B139747-BSD1	LCSD	1.2338	1.3026	ug/m3	94.7	0.8	70 - 130	30	
4-Bromofluorobenzene (Surrogate)	B139747-BS1	LCS	2.84	3.58	ug/m3	79.2		50 - 150		
	B139747-BSD1	LCSD	2.86	3.58	ug/m3	80.0	1.0	50 - 150		

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ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL 2211641-16	Client Sample FameL IA-17, 5/17/2022 10:25:00AM, J. Schaaf

Constituent	Result	9nits	hQj	MBj	Met) od	Mz z ias	j ab Quals	BCF
0cetone	**UU**	**ug/mA**	**A2**	**-827**	**Eh06TO61D6SIM**	ND	**01-**	1
z en, ene	**-857**	**ug/mA**	**-815**	**-81-**	**Eh06TO61D6SIM**	ND	**01-**	2
Benzyl chloride	ND	ug/m3	1.6	0.017	EPA-TO-15-SIM	ND	A10	2
Carbon tetrachloride	ND	ug/m3	0.64	0.020	EPA-TO-15-SIM	ND	A10	2
Chlorobenzene	ND	ug/m3	0.32	0.025	EPA-TO-15-SIM	ND	A10	2
Chloroform	ND	ug/m3	0.16	0.019	EPA-TO-15-SIM	ND	A10	2
1,2-Dibromoethane	ND	ug/m3	0.64	0.045	EPA-TO-15-SIM	ND	A10	2
1,2-Dichlorobenzene	ND	ug/m3	0.64	0.035	EPA-TO-15-SIM	ND	A10	2
1,3-Dichlorobenzene	ND	ug/m3	0.64	0.042	EPA-TO-15-SIM	ND	A10	2
1,4-Dichlorobenzene	ND	ug/m3	0.64	0.052	EPA-TO-15-SIM	ND	A10	2
Bic) lorodifluoromet) ane	**285**	**ug/mA**	**-815**	**-81U**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1-Dichloroethane	ND	ug/m3	0.16	0.013	EPA-TO-15-SIM	ND	A10	2
1,2-Dichloroethane	ND	ug/m3	0.32	0.015	EPA-TO-15-SIM	ND	A10	2
1,1-Dichloroethene	ND	ug/m3	0.16	0.025	EPA-TO-15-SIM	ND	A10	2
cis-1,2-Dichloroethene	ND	ug/m3	0.16	0.014	EPA-TO-15-SIM	ND	A10	2
trans-1,2-Dichloroethene	ND	ug/m3	0.16	0.024	EPA-TO-15-SIM	ND	A10	2
trans-1,3-Dichloropropene	ND	ug/m3	0.16	0.042	EPA-TO-15-SIM	ND	A10	2
1JI6Bifluoroet) ane	**1P-**	**ug/mA**	**15-**	**-8PU**	**Eh06TO61D6SIM**	ND	**01-**	1
Et) ylben, ene	**-85A**	**ug/mA**	**-815**	**-8DD**	**Eh06TO61D6SIM**	ND	**01-**	2
Methylene chloride	ND	ug/m3	0.64	0.025	EPA-TO-15-SIM	ND	A10	2
Tetrachloroethene	ND	ug/m3	0.32	0.035	EPA-TO-15-SIM	ND	A10	2
Toluene	**AA**	**ug/mA**	**A82**	**-82-**	**Eh06TO61D6SIM**	ND	**01-**	1
1JIJI6Tric) loroet) ane	**-852**	**ug/mA**	**-8A2**	**-81P**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1,2-Trichloroethane	ND	ug/m3	0.32	0.018	EPA-TO-15-SIM	ND	A10,L07	2
Trichloroethene	ND	ug/m3	0.32	0.031	EPA-TO-15-SIM	ND	A10	2
Tric) lorofluoromet) ane	**18A**	**ug/mA**	**-815**	**-81P**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	0.32	0.025	EPA-TO-15-SIM	ND	A10	2
Vinyl chloride	ND	ug/m3	0.064	0.015	EPA-TO-15-SIM	ND	A10	2
p6& m6Xylenes	**287**	**ug/mA**	**-815**	**-825**	**Eh06TO61D6SIM**	ND	**01-**	2
o6Xylene	**-8P5**	**ug/mA**	**-815**	**-817**	**Eh06TO61D6SIM**	ND	**01-**	2
Total Xylenes	**A82**	**ug/mA**	**-8A2**	**-872**	**Eh06TO61D6SIM**	ND	**01-**	2
4-Bromofluorobenzene (Surrogate)	96.6	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			1
4-Bromofluorobenzene (Surrogate)	119	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			2

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ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-16	Client Sample F ameL	IA-17, 5/17/2022 10:25:00AM, J. Schaaf

BCF	Met) od	hrep Bate	Run Bate/Time	0 nalyst	Instrument	Bilution	QC z atc) IB	
1	EPA-TO-15-SIM	05/18/22 11:39	05/19/22 16:58	BEP	MS-A2	32.200	B139958	EPA TO-15
2	EPA-TO-15-SIM	05/18/22 11:39	05/19/22 13:01	BEP	MS-A2	3.220	B139958	EPA TO-15

DCN = Data Continuation Number

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Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL 2211641-17	Client Sample FameL AA-1, 5/17/2022 10:36:00AM, J. Schaaf

Constituent	Result	9nits	hQj	MBj	Met) od	Mz z ias	j ab Quals	BCF
0cetone	**78P**	**ug/mA**	**185**	**-8-12**	**Eh06TO61D6SIM**	ND	**01-**	1
z en, ene	**-8AU**	**ug/mA**	**-8-P1**	**-8--D2**	**Eh06TO61D6SIM**	ND	**01-**	1
Benzyl chloride	ND	ug/m3	0.81	0.0084	EPA-TO-15-SIM	ND	A10	1
Carbon tetrachloride	ND	ug/m3	0.32	0.010	EPA-TO-15-SIM	ND	A10	1
Chlorobenzene	ND	ug/m3	0.16	0.013	EPA-TO-15-SIM	ND	A10	1
Chloroform	ND	ug/m3	0.081	0.0094	EPA-TO-15-SIM	ND	A10	1
1,2-Dibromoethane	ND	ug/m3	0.32	0.023	EPA-TO-15-SIM	ND	A10	1
1,2-Dichlorobenzene	ND	ug/m3	0.32	0.018	EPA-TO-15-SIM	ND	A10	1
1,3-Dichlorobenzene	ND	ug/m3	0.32	0.021	EPA-TO-15-SIM	ND	A10	1
1,4-Dichlorobenzene	ND	ug/m3	0.32	0.026	EPA-TO-15-SIM	ND	A10	1
Bic) lorodifluoromet) ane	**A8I**	**ug/mA**	**-8-P1**	**-8--P7**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1-Dichloroethane	ND	ug/m3	0.081	0.0066	EPA-TO-15-SIM	ND	A10	1
1,2-Dichloroethane	ND	ug/m3	0.16	0.0075	EPA-TO-15-SIM	ND	A10	1
1,1-Dichloroethene	ND	ug/m3	0.081	0.013	EPA-TO-15-SIM	ND	A10	1
cis-1,2-Dichloroethene	ND	ug/m3	0.081	0.0071	EPA-TO-15-SIM	ND	A10	1
trans-1,2-Dichloroethene	ND	ug/m3	0.081	0.012	EPA-TO-15-SIM	ND	A10	1
trans-1,3-Dichloropropene	ND	ug/m3	0.081	0.021	EPA-TO-15-SIM	ND	A10	1
1,1-Difluoroethane	ND	ug/m3	8.1	0.0044	EPA-TO-15-SIM	ND	A10	1
Et) ylben, ene	**-8I3**	**ug/mA**	**-8-P1**	**-8-2P**	**Eh06TO61D6SIM**	ND	**01-**	1
Methylene chloride	ND	ug/m3	0.32	0.012	EPA-TO-15-SIM	ND	A10	1
Tetrachloroethene	ND	ug/m3	0.16	0.018	EPA-TO-15-SIM	ND	A10	1
Toluene	**18U**	**ug/mA**	**-815**	**-8-1-**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1,1-Trichloroethane	ND	ug/m3	0.16	0.0089	EPA-TO-15-SIM	ND	A10	1
1,1,2-Trichloroethane	ND	ug/m3	0.16	0.0089	EPA-TO-15-SIM	ND	A10,L07	1
Trichloroethene	ND	ug/m3	0.16	0.015	EPA-TO-15-SIM	ND	A10	1
Tric) lorofluoromet) ane	**18D**	**ug/mA**	**-8-P1**	**-8--32**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	0.16	0.013	EPA-TO-15-SIM	ND	A10	1
Vinyl chloride	ND	ug/m3	0.032	0.0075	EPA-TO-15-SIM	ND	A10	1
p6& m6Xylenes	**-8D5**	**ug/mA**	**-8-P1**	**-8-1A**	**Eh06TO61D6SIM**	ND	**01-**	1
o6Xylene	**-82A**	**ug/mA**	**-8-P1**	**-8--U1**	**Eh06TO61D6SIM**	ND	**01-**	1
Total Xylenes	**-8U3**	**ug/mA**	**-815**	**-8-21**	**Eh06TO61D6SIM**	ND	**01-**	1
4-Bromofluorobenzene (Surrogate)	95.5	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			1

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ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo	**ReportedL** 05/23/2022 13:46
79 E. Daly Dr #107	Project: 22-491 SFAC
Camarillo, CA 93010	Project Number: [none]
	Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-17	**Client Sample FameL**	AA-1, 5/17/2022 10:36:00AM, J. Schaaf

BCF	Met) od	hrep Bate	Run Bate/Time	0 nalyst	Instrument	Bilution	QC z atc) IB	
1	EPA-TO-15-SIM	05/18/22 11:39	05/19/22 13:40	BEP	MS-A2	1.620	B139958	EPA TO-15

DCN = Data Continuation Number

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ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL 2211641-18	Client Sample FameL AA-3, 5/17/2022 10:39:00AM, J. Schaaf

Constituent	Result	9nits	hQj	MBj	Met) od	Mz z ias	j ab Quals	BCF
0cetone	**787**	**ug/mA**	**18D**	**-8-11**	**Eh06TO61D6SIM**	ND	**01-**	1
z en, ene	**-8AA**	**ug/mA**	**-8-U5**	**-8--73**	**Eh06TO61D6SIM**	ND	**01-**	1
Benzyl chloride	ND	ug/m3	0.76	0.0080	EPA-TO-15-SIM	ND	A10	1
Carbon tetrachloride	ND	ug/m3	0.31	0.0096	EPA-TO-15-SIM	ND	A10	1
Chlorobenzene	ND	ug/m3	0.15	0.012	EPA-TO-15-SIM	ND	A10	1
Chloroform	ND	ug/m3	0.076	0.0089	EPA-TO-15-SIM	ND	A10	1
1,2-Dibromoethane	ND	ug/m3	0.31	0.021	EPA-TO-15-SIM	ND	A10	1
1,2-Dichlorobenzene	ND	ug/m3	0.31	0.017	EPA-TO-15-SIM	ND	A10	1
1,3-Dichlorobenzene	ND	ug/m3	0.31	0.020	EPA-TO-15-SIM	ND	A10	1
1,4-Dichlorobenzene	ND	ug/m3	0.31	0.024	EPA-TO-15-SIM	ND	A10	1
Bic) lorodifluoromet) ane	**A8I**	**ug/mA**	**-8-U5**	**-8--P-**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1-Dichloroethane	ND	ug/m3	0.076	0.0063	EPA-TO-15-SIM	ND	A10	1
1,2-Dichloroethane	ND	ug/m3	0.15	0.0070	EPA-TO-15-SIM	ND	A10	1
1,1-Dichloroethene	ND	ug/m3	0.076	0.012	EPA-TO-15-SIM	ND	A10	1
cis-1,2-Dichloroethene	ND	ug/m3	0.076	0.0067	EPA-TO-15-SIM	ND	A10	1
trans-1,2-Dichloroethene	ND	ug/m3	0.076	0.011	EPA-TO-15-SIM	ND	A10	1
trans-1,3-Dichloropropene	ND	ug/m3	0.076	0.020	EPA-TO-15-SIM	ND	A10	1
1,1-Difluoroethane	ND	ug/m3	7.6	0.0041	EPA-TO-15-SIM	ND	A10	1
Et) ylben, ene	**-821**	**ug/mA**	**-8-U5**	**-8-25**	**Eh06TO61D6SIM**	ND	**01-**	1
Methylene chloride	ND	ug/m3	0.31	0.012	EPA-TO-15-SIM	ND	A10	1
Tetrachloroethene	ND	ug/m3	0.15	0.017	EPA-TO-15-SIM	ND	A10	1
Toluene	**18U**	**ug/mA**	**-8ID**	**-8--3D**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1,1-Trichloroethane	ND	ug/m3	0.15	0.0084	EPA-TO-15-SIM	ND	A10	1
1,1,2-Trichloroethane	ND	ug/m3	0.15	0.0084	EPA-TO-15-SIM	ND	A10,L07,V11	1
Trichloroethene	ND	ug/m3	0.15	0.015	EPA-TO-15-SIM	ND	A10	1
Tric) lorofluoromet) ane	**18D**	**ug/mA**	**-8-U5**	**-8--PU**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	0.15	0.012	EPA-TO-15-SIM	ND	A10	1
Vinyl chloride	ND	ug/m3	0.031	0.0070	EPA-TO-15-SIM	ND	A10	1
p6& m6Xylenes	**-85U**	**ug/mA**	**-8-U5**	**-8-1A**	**Eh06TO61D6SIM**	ND	**01-**	1
o6Xylene	**-825**	**ug/mA**	**-8-U5**	**-8--5U**	**Eh06TO61D6SIM**	ND	**01-**	1
Total Xylenes	**-832**	**ug/mA**	**-8ID**	**-8-2-**	**Eh06TO61D6SIM**	ND	**01-**	1
4-Bromofluorobenzene (Surrogate)	104	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			1

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ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo	**ReportedL** 05/23/2022 13:46
79 E. Daly Dr #107	Project: 22-491 SFAC
Camarillo, CA 93010	Project Number: [none]
	Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-18	**Client Sample F ameL**	AA-3, 5/17/2022 10:39:00AM, J. Schaaf

BCF	Met) od	hrep Bate	Run Bate/Time	0 nalyst	Instrument	Bilution	QC z atc) IB	
1	EPA-TO-15-SIM	05/18/22 11:39	05/19/22 15:56	BEP	MS-A2	1.530	B139958	EPA TO-15

DCN = Data Continuation Number

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

Quality Control Report 6Met) od z lank 0 nalysis

Constituent	QC Sample IB	Mz Result	9 nits	hQj	MBj	j ab Quals
QC z atc) IBL z 1A33DP						
Acetone	B139958-BLK1	ND	ug/m3	1.0	0.0075	
Benzene	B139958-BLK1	ND	ug/m3	0.050	0.0032	
Benzyl chloride	B139958-BLK1	ND	ug/m3	0.50	0.0052	
Carbon tetrachloride	B139958-BLK1	ND	ug/m3	0.20	0.0063	
Chlorobenzene	B139958-BLK1	ND	ug/m3	0.10	0.0079	
Chloroform	B139958-BLK1	ND	ug/m3	0.050	0.0058	
1,2-Dibromoethane	B139958-BLK1	ND	ug/m3	0.20	0.014	
1,2-Dichlorobenzene	B139958-BLK1	ND	ug/m3	0.20	0.011	
1,3-Dichlorobenzene	B139958-BLK1	ND	ug/m3	0.20	0.013	
1,4-Dichlorobenzene	B139958-BLK1	ND	ug/m3	0.20	0.016	
Dichlorodifluoromethane	B139958-BLK1	ND	ug/m3	0.050	0.0052	
1,1-Dichloroethane	B139958-BLK1	ND	ug/m3	0.050	0.0041	
1,2-Dichloroethane	B139958-BLK1	ND	ug/m3	0.10	0.0046	
1,1-Dichloroethene	B139958-BLK1	ND	ug/m3	0.050	0.0078	
cis-1,2-Dichloroethene	B139958-BLK1	ND	ug/m3	0.050	0.0044	
trans-1,2-Dichloroethene	B139958-BLK1	ND	ug/m3	0.050	0.0075	
trans-1,3-Dichloropropene	B139958-BLK1	ND	ug/m3	0.050	0.013	
1,1-Difluoroethane	B139958-BLK1	ND	ug/m3	5.0	0.0027	
Ethylbenzene	B139958-BLK1	ND	ug/m3	0.050	0.017	
Methylene chloride	B139958-BLK1	ND	ug/m3	0.20	0.0077	
Tetrachloroethene	B139958-BLK1	ND	ug/m3	0.10	0.011	
Toluene	B139958-BLK1	ND	ug/m3	0.10	0.0062	
1,1,1-Trichloroethane	B139958-BLK1	ND	ug/m3	0.10	0.0055	
1,1,2-Trichloroethane	B139958-BLK1	ND	ug/m3	0.10	0.0055	
Trichloroethene	B139958-BLK1	ND	ug/m3	0.10	0.0095	
Trichlorofluoromethane	B139958-BLK1	ND	ug/m3	0.050	0.0057	
1,1,2-Trichloro-1,2,2-trifluoroethane	B139958-BLK1	ND	ug/m3	0.10	0.0078	
Vinyl chloride	B139958-BLK1	ND	ug/m3	0.020	0.0046	
p- & m-Xylenes	B139958-BLK1	ND	ug/m3	0.050	0.0082	
o-Xylene	B139958-BLK1	ND	ug/m3	0.050	0.0044	
Total Xylenes	B139958-BLK1	ND	ug/m3	0.10	0.013	
76z romofluoroben, ene (SurrogateN	**z 1A33DP6z j K1**	**P187**	%	**D- 61D- (j Cj 69 Cj N**		

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Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61Dat SThN

Quality Control Report 6j aboratory Control Sample

Constituent	QC Sample IB	Type	Result	Spike j exel	9nits	hercent Recoxery	RhB	Control j imits hercent Recoxery	RhB	j ab Quals
QC z atc) IBL z 1A33DP										
Benzene	B139958-BS1	LCS	0.26558	0.31948	ug/m3	83.1		70 - 130		
	B139958-BSD1	LCSD	0.27082	0.31948	ug/m3	84.8	2.0	70 - 130	30	
Benzyl chloride	B139958-BS1	LCS	0.56126	0.51772	ug/m3	108		70 - 130		
	B139958-BSD1	LCSD	0.48888	0.51772	ug/m3	94.4	13.8	70 - 130	30	J
Carbon tetrachloride	B139958-BS1	LCS	0.62964	0.62913	ug/m3	100		70 - 130		
	B139958-BSD1	LCSD	0.63706	0.62913	ug/m3	101	1.2	70 - 130	30	
Chlorobenzene	B139958-BS1	LCS	0.58129	0.46036	ug/m3	126		70 - 130		
	B139958-BSD1	LCSD	0.57959	0.46036	ug/m3	126	0.3	70 - 130	30	
Chloroform	B139958-BS1	LCS	0.50544	0.48825	ug/m3	104		70 - 130		
	B139958-BSD1	LCSD	0.49880	0.48825	ug/m3	102	1.3	70 - 130	30	
1,2-Dibromoethane	B139958-BS1	LCS	0.98033	0.76835	ug/m3	128		70 - 130		
	B139958-BSD1	LCSD	0.97150	0.76835	ug/m3	126	0.9	70 - 130	30	
1,2-Dichlorobenzene	B139958-BS1	LCS	0.60833	0.60124	ug/m3	101		70 - 130		
	B139958-BSD1	LCSD	0.54941	0.60124	ug/m3	91.4	10.2	70 - 130	30	
1,3-Dichlorobenzene	B139958-BS1	LCS	0.64230	0.60124	ug/m3	107		70 - 130		
	B139958-BSD1	LCSD	0.55043	0.60124	ug/m3	91.6	15.4	70 - 130	30	
1,4-Dichlorobenzene	B139958-BS1	LCS	0.60749	0.60124	ug/m3	101		70 - 130		
	B139958-BSD1	LCSD	0.51736	0.60124	ug/m3	86.1	16.0	70 - 130	30	
1,1-Dichloroethane	B139958-BS1	LCS	0.41510	0.40474	ug/m3	103		70 - 130		
	B139958-BSD1	LCSD	0.41878	0.40474	ug/m3	103	0.9	70 - 130	30	
1,2-Dichloroethane	B139958-BS1	LCS	0.40349	0.40474	ug/m3	99.7		70 - 130		
	B139958-BSD1	LCSD	0.40883	0.40474	ug/m3	101	1.3	70 - 130	30	
1,1-Dichloroethene	B139958-BS1	LCS	0.33892	0.39649	ug/m3	85.5		70 - 130		
	B139958-BSD1	LCSD	0.33698	0.39649	ug/m3	85.0	0.6	70 - 130	30	
cis-1,2-Dichloroethene	B139958-BS1	LCS	0.32053	0.39649	ug/m3	80.8		70 - 130		
	B139958-BSD1	LCSD	0.32747	0.39649	ug/m3	82.6	2.1	70 - 130	30	
Methylene chloride	B139958-BS1	LCS	0.30757	0.34737	ug/m3	88.5		70 - 130		
	B139958-BSD1	LCSD	0.30274	0.34737	ug/m3	87.2	1.6	70 - 130	30	
Tetrachloroethene	B139958-BS1	LCS	0.79417	0.67825	ug/m3	117		70 - 130		
	B139958-BSD1	LCSD	0.82048	0.67825	ug/m3	121	3.3	70 - 130	30	
Toluene	B139958-BS1	LCS	0.43654	0.37684	ug/m3	116		70 - 130		
	B139958-BSD1	LCSD	0.45165	0.37684	ug/m3	120	3.4	70 - 130	30	
1,1,1-Trichloroethane	B139958-BS1	LCS	0.54486	0.54562	ug/m3	99.9		70 - 130		
	B139958-BSD1	LCSD	0.55184	0.54562	ug/m3	101	1.3	70 - 130	30	
1J1J26Tric) loroet) ane	**z 1A33DP6z S1**	LCS	**-8U133D**	**-8D7D52**	**ug/mA**	**1A2**		**U- 61A-**		**j - U**
	z 1A33DP6z SB1	LCSD	**-8U72AU**	**-8D7D52**	**ug/mA**	**1A5**	**A8l**	**U- 61A-**	**A-**	**j - U**

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

Quality Control Report 6j aboratory Control Sample

Constituent	QC Sample IB	Type	Result	Spike j exel	9nits	hercent Recoxery	RhB	Control j imits hercent Recoxery	RhB	j ab Quals
QC z atc) IBL z 1A33DP										
Trichloroethene	B139958-BS1	LCS	0.60449	0.53737	ug/m3	112		70 - 130		
	B139958-BSD1	LCSD	0.61889	0.53737	ug/m3	115	2.4	70 - 130	30	
Vinyl chloride	B139958-BS1	LCS	0.30850	0.25562	ug/m3	121		70 - 130		
	B139958-BSD1	LCSD	0.30710	0.25562	ug/m3	120	0.5	70 - 130	30	
p- & m-Xylenes	B139958-BS1	LCS	0.88071	0.86843	ug/m3	101		70 - 130		
	B139958-BSD1	LCSD	0.78011	0.86843	ug/m3	89.8	12.1	70 - 130	30	
o-Xylene	B139958-BS1	LCS	0.42053	0.43421	ug/m3	96.8		70 - 130		
	B139958-BSD1	LCSD	0.36826	0.43421	ug/m3	84.8	13.3	70 - 130	30	
Total Xylenes	B139958-BS1	LCS	1.3012	1.3026	ug/m3	99.9		70 - 130		
	B139958-BSD1	LCSD	1.1484	1.3026	ug/m3	88.2	12.5	70 - 130	30	
4-Bromofluorobenzene (Surrogate)	B139958-BS1	LCS	3.46	3.58	ug/m3	96.8		50 - 150		
	B139958-BSD1	LCSD	3.03	3.58	ug/m3	84.7	13.4	50 - 150		

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

F otes 0 nd Befinitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
A10	Detection and quantitation limits were raised due to matrix interference.
L07	The Laboratory Control Sample (LCS) recovery is not within laboratory established control limits.
V11	The Continuing Calibration Verification (CCV) recovery was not within established control limits.

Date of Report: 05/23/2022

Joe Schaaf

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

Client Project:	[none]
BCL Project:	22-491 SFAC
BCL Work Order:	2211641
Invoice ID:	B449479

Enclosed are the results of analyses for samples received by the laboratory on 5/17/2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Ragen Schallock
Client Service Rep

Stuart Buttram
Operations Manager

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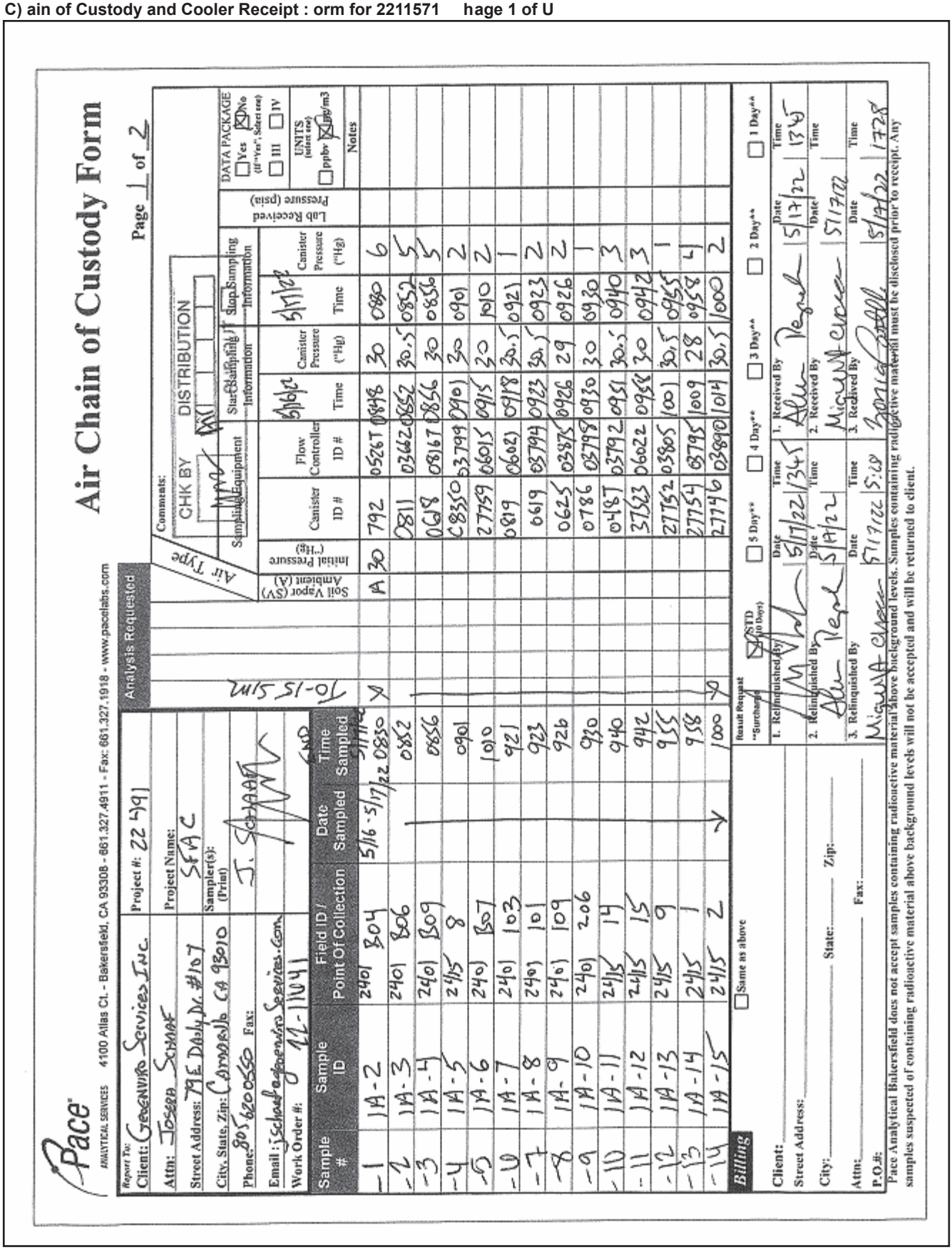

Pace
ANALYTICAL SERVICES 4100 Atlas Ct. - Bakersfield, CA 93308 - 661.327.4911 - Fax: 661.327.1918 - www.pacelabs.com

Air Chain of Custody Form

Page 1 of 2

Report To:
Client: Geosyntec Services Inc.
Attn: Joseph Schaaf
Street Address: 795 Daily Dr. #107
City, State, Zip: Camarillo CA 93010
Phone: 805 6200550 Fax:
Email: jschaaf@geosyntec.com
Work Order #: 22-11041

Project #: 22491
Project Name: SFAC
Sampler(s): (Print) J. SCHAAF

Analysis Requested

Comments:
CHK BY
DISTRIBUTION
Sampling Equipment
Start Sampling Information
Stop Sampling Information

Sample #	Sample ID	Field ID / Point Of Collection	Date Sampled	Time Sampled	Soil Vapor (SV) Ambient (A)	Initial Pressure ("Hg)	Canister ID #	Flow Controller ID #	Time	Canister Pressure ("Hg)	Time	Canister Pressure ("Hg)	Lab Received Pressure (psia)	Notes
-1	1A-2	2401 B04	5/16-5/17/22	0850	A	30	792	05267	0848	30	0880	6		
-2	1A-3	2401 B06		0852			0811	03662	0852	30.5	0852	5		
-3	1A-4	2401 B09		0856			0618	08167	0856	30	0856	5		
-4	1A-5	2415 8		0901			C8350	03799	0901	30	0901	2		
-5	1A-6	2401 B07		1010			27759	06015	0915	30	1010	2		
-6	1A-7	2401 103		921			0819	06021	0918	30.5	0921	1		
-7	1A-8	2401 101		923			0619	03794	0923	30.5	0923	2		
-8	1A-9	2401 109		926			0625	03878	0926	29	0926	2		
-9	1A-10	2401 206		930			0786	03799	0930	30	0930	1		
-10	1A-11	2415 14		940			0648T	03792	0951	30.5	0940	3		
-11	1A-12	2415 15		942			37523	06022	0958	30	0942	3		
-12	1A-13	2415 9		955			27752	03805	1001	30.5	0955	1		
-13	1A-14	2415 1		958			27754	03795	1009	28	0958	4		
-14	1A-15	2415 2		1000			27746	03890	1014	30.5	1000	2		

Billing
☐ Same as above
Client:
Street Address:
City: State: Zip:
Attn: Fax:
P.O.#:

Result Request
**Surcharge
☒ STD (10 Days)
☐ 5 Day** ☐ 4 Day** ☐ 3 Day** ☐ 2 Day** ☐ 1 Day**

		Date	Time
1. Relinquished By		5/17/22	1345
2. Relinquished By		5/17/22	
3. Relinquished By		5/17/22	1728
1. Received By		5/17/22	1345
2. Received By		5/17/22	
3. Received By		5/17/22	1728

DATA PACKAGE
☐ Yes ☒ No (If "Yes", Select one) ☐ III ☐ IV

UNITS (select one) ☐ ppbv ☒ µg/m3

Pace Analytical Bakersfield does not accept samples containing radioactive material above background levels. Samples containing radioactive material must be disclosed prior to receipt. Any samples suspected of containing radioactive material above background levels will not be accepted and will be returned to client.

Pace
ANALYTICAL SERVICES 4100 Atlas Ct. - Bakersfield, CA 93308 - 661.327.4911 - Fax: 661.327.1918 - www.pacelabs.com

Air Chain of Custody Form

Page 2 of 2

Report To:
Client: GeoEnviro Services Inc.
Attn: Joseph Schaaf
Street Address: 79E Daily Dr. #107
City, State, Zip: Camarillo CA 93010
Phone: 805 6200550 Fax:
Email: jschaaf@geoenviroservices.com
Work Order #: 22-11641

Project #: 22-491
Project Name: SFAC
Sampler(s): (Print) J. Schaaf

Analysis Requested: TO15 SIM

Comments:

DATA PACKAGE: ☐ Yes ☒ No (If "Yes", Select one) ☐ III ☐ IV
UNITS (select one): ☐ ppbv ☒ µg/m3

Sample #	Sample ID	Field ID / Point Of Collection	Date Sampled	Time Sampled	TO15 SIM	Air Type: Soil Vapor (SV) Ambient (A)	Initial Pressure ("Hg)	Canister ID #	Flow Controller ID #	Start Sampling Time (5/16/22)	Start Canister Pressure ("Hg)	Stop Sampling Time (5/17/22)	Stop Canister Pressure ("Hg)	Lab Received Pressure (psia)	Notes
-15	IA-16	2421 20	5/16-5/17/22	1022	X	A	30	0789	06016	1022	30	1022	2		
-16	IA-17	2421 21	↓	1025	↓	A	30	0627	03874	1042	30	1025	5		
-17	AA-1	OUTDOOR W of 2421-20	↓	1036	↓	A	30	37506	05272	1036	30	1036	4		
-18	AA-3	OUTDOOR S of 2401	↓	1039	X	A	30.5	27755	07629	1105	30.5	1039	4		

END

Billing
☒ Same as above
Client:
Street Address:
City: State: Zip:
Attn: Fax:
P.O.#:

Result Request: ☒ STD (10 Days) ☐ 5 Day** ☐ 4 Day** ☐ 3 Day** ☐ 2 Day** ☐ 1 Day**
**Surcharge

Relinquished By	Date	Time	Received By	Date	Time
1. [signature]	5/17/22	1345	1. [signature]	5/17/22	1345
2. [signature]	5/17/22		2. Miguel Chavez [signature]	5/17/22	
3. Miguel Chavez [signature]	5/17/22	5:28	3. [signature]	5/17/22	1728

Pace Analytical Bakersfield does not accept samples containing radioactive material above background levels. Samples containing radioactive material must be disclosed prior to receipt. Any samples suspected of containing radioactive material above background levels will not be accepted and will be returned to client.

C) ain of Custody and Cooler Receipt : orm for 2211571 hage A of U

BC LABORATORIES INC. — COOLER RECEIPT FORM — Page 1 of 4 1 of 5

Submission #: 22-111641

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ GSO / GLS ☐ Hand Delivery ☐ BC Lab Field Service ☒ Other ☐ (Specify)_____	Ice Chest ☐ None ☐ Box ☒ Other ☐ (Specify)_____	YES ☐ NO ☒ W / S

Refrigerant: Ice ☐ Blue Ice ☐ None ☒ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: — Container: Summa Thermometer ID: — Date/Time: 5/17/22

Temperature: (A) Room °C / (C) Temp °C Analyst Init: EC1 1728

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr+6										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 505/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER 1oL	A	A	A	A						

Comments:

Sample Numbering Completed By: CMB Date/Time: 5/18/22 0711

A = Actual / C = Corrected

Rev 22 04/13/21

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BC LABORATORIES INC. COOLER RECEIPT FORM Page 1 of 4 1 of 5

Submission #: 22-111641

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ GSO / GLS ☐ Hand Delivery ☐ BC Lab Field Service ☒ Other ☐ (Specify)_____	Ice Chest ☐ None ☐ Box ☒ Other ☐ (Specify)_____	YES ☐ NO ☒ W / S

Refrigerant: Ice ☐ Blue Ice ☐ None ☒ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: — Container: Summa Thermometer ID: —

Temperature: (A) Room °C / (C) Temp °C

Date/Time: 5/17/22

Analyst Init: ZCI 1728

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER 6L					A	A	A	A		

Comments:

Sample Numbering Completed By: CMS Date/Time: 5/18/22 0711

A = Actual / C = Corrected

Rev 22 04/13/21

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BC LABORATORIES INC. COOLER RECEIPT FORM Page 3 of 4 ~~CM~~ cns/u 3 of 5

Submission #: 22-11641

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ GSO / GLS ☐ Hand Delivery ☐ BC Lab Field Service ☒ Other ☐ (Specify)______	Ice Chest ☐ None ☐ Box ☒ Other ☐ (Specify)______	YES ☐ NO ☒ W / S

Refrigerant: Ice ☐ Blue Ice ☐ None ☒ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: — Container: Summa Thermometer ID: —

Temperature: (A) Room °C / (C) Temp °C

Date/Time 5/17/22 Analyst Init ECI 1728

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER 6L	A								A	A

Comments:

Sample Numbering Completed By: CAB Date/Time: 5/18/22 0711

A = Actual / C = Corrected

Rev 22 04/13/21

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C) ain of Custody and Cooler Receipt : orm for 2211571 hage 5 of U

BC LABORATORIES INC. COOLER RECEIPT FORM Page ~~4~~ of ~~4~~ 5/18/22

Submission #: 22-11041 4 of 5

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ GSO / GLS ☐ Hand Delivery ☐ BC Lab Field Service ☒ Other ☐ (Specify)_____	Ice Chest ☐ None ☐ Box ☒ Other ☐ (Specify)_____	YES ☐ NO ☒ W / S

Refrigerant: Ice ☐ Blue Ice ☐ None ☒ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: — Container: Summa Thermometer ID: — Date/Time 5/17/22

Temperature: (A) Room °C / (C) Temp °C Analyst Init ZC1 1728

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{6+}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL - 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER 1L		A	A	A	A					

Comments:

Sample Numbering Completed By: ____ Date/Time: 5/18/22 0711

A = Actual / C = Corrected

Rev 22 04/13/21

(S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 28)

BC LABORATORIES INC. COOLER RECEIPT FORM Page 5 of 5

Submission #: 22-11641

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☐ UPS ☐ GSO / GLS ☐ Hand Delivery ☐ BC Lab Field Service ☒ Other ☐ (Specify)_____	Ice Chest ☐ None ☐ Box ☑ Other ☐ (Specify)_____	YES ☐ NO ☒ W / S

Refrigerant: Ice ☐ Blue Ice ☐ None ☑ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: — Container: Summa Thermometer ID: —

Temperature: (A) Room °C / (C) Temp °C

Date/Time 5/17/22

Analyst Init JCI 1728

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr6+										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER 1L						A	A	A		

Comments:

Sample Numbering Completed By: CMB Date/Time: 5/18/22 0714

A = Actual / C = Corrected

Rev 22 04/13/21

(S:\MW\DocWordPerfect\LAB_DOCS\FORMS\SAMREC rev 22)

Pace Analytical
ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
22115716-1	COC FumberL	---	Receixe BateL	05/17/2022 17:28
	hrovect FumberL	---	Sampling BateL	05/17/2022 08:30
	Sampling j ocationL	---	Sample Bept) L	---
	Sampling hointL	IA-2	j ab Matri. L	Air
	Sampled z yL	J. Schaaf	Sample TypeL	Vapor or Air
22115716-2	COC FumberL	---	Receixe BateL	05/17/2022 17:28
	hrovect FumberL	---	Sampling BateL	05/17/2022 08:52
	Sampling j ocationL	---	Sample Bept) L	---
	Sampling hointL	IA-3	j ab Matri. L	Air
	Sampled z yL	J. Schaaf	Sample TypeL	Vapor or Air
22115716-A	COC FumberL	---	Receixe BateL	05/17/2022 17:28
	hrovect FumberL	---	Sampling BateL	05/17/2022 08:56
	Sampling j ocationL	---	Sample Bept) L	---
	Sampling hointL	IA-4	j ab Matri. L	Air
	Sampled z yL	J. Schaaf	Sample TypeL	Vapor or Air
22115716-7	COC FumberL	---	Receixe BateL	05/17/2022 17:28
	hrovect FumberL	---	Sampling BateL	05/17/2022 09:01
	Sampling j ocationL	---	Sample Bept) L	---
	Sampling hointL	IA-5	j ab Matri. L	Air
	Sampled z yL	J. Schaaf	Sample TypeL	Vapor or Air
22115716-D	COC FumberL	---	Receixe BateL	05/17/2022 17:28
	hrovect FumberL	---	Sampling BateL	05/17/2022 10:10
	Sampling j ocationL	---	Sample Bept) L	---
	Sampling hointL	IA-6	j ab Matri. L	Air
	Sampled z yL	J. Schaaf	Sample TypeL	Vapor or Air
22115716-5	COC FumberL	---	Receixe BateL	05/17/2022 17:28
	hrovect FumberL	---	Sampling BateL	05/17/2022 09:21
	Sampling j ocationL	---	Sample Bept) L	---
	Sampling hointL	IA-7	j ab Matri. L	Air
	Sampled z yL	J. Schaaf	Sample TypeL	Vapor or Air
22115716-U	COC FumberL	---	Receixe BateL	05/17/2022 17:28
	hrovect FumberL	---	Sampling BateL	05/17/2022 09:23
	Sampling j ocationL	---	Sample Bept) L	---
	Sampling hointL	IA-8	j ab Matri. L	Air
	Sampled z yL	J. Schaaf	Sample TypeL	Vapor or Air

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ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
22115716-P	COC FumberL	---	Receixe BateL	05/17/2022 17:28
	hrovect FumberL	---	Sampling BateL	05/17/2022 09:26
	Sampling j ocationL	---	Sample Bept) L	---
	Sampling hointL	IA-9	j ab Matri. L	Air
	Sampled z yL	J. Schaaf	Sample TypeL	Vapor or Air
22115716-3	COC FumberL	---	Receixe BateL	05/17/2022 17:28
	hrovect FumberL	---	Sampling BateL	05/17/2022 09:30
	Sampling j ocationL	---	Sample Bept) L	---
	Sampling hointL	IA-10	j ab Matri. L	Air
	Sampled z yL	J. Schaaf	Sample TypeL	Vapor or Air
221157161-	COC FumberL	---	Receixe BateL	05/17/2022 17:28
	hrovect FumberL	---	Sampling BateL	05/17/2022 09:40
	Sampling j ocationL	---	Sample Bept) L	---
	Sampling hointL	IA-11	j ab Matri. L	Air
	Sampled z yL	J. Schaaf	Sample TypeL	Vapor or Air
2211571611	COC FumberL	---	Receixe BateL	05/17/2022 17:28
	hrovect FumberL	---	Sampling BateL	05/17/2022 09:42
	Sampling j ocationL	---	Sample Bept) L	---
	Sampling hointL	IA-12	j ab Matri. L	Air
	Sampled z yL	J. Schaaf	Sample TypeL	Vapor or Air
2211571612	COC FumberL	---	Receixe BateL	05/17/2022 17:28
	hrovect FumberL	---	Sampling BateL	05/17/2022 09:55
	Sampling j ocationL	---	Sample Bept) L	---
	Sampling hointL	IA-13	j ab Matri. L	Air
	Sampled z yL	J. Schaaf	Sample TypeL	Vapor or Air
221157161A	COC FumberL	---	Receixe BateL	05/17/2022 17:28
	hrovect FumberL	---	Sampling BateL	05/17/2022 09:58
	Sampling j ocationL	---	Sample Bept) L	---
	Sampling hointL	IA-14	j ab Matri. L	Air
	Sampled z yL	J. Schaaf	Sample TypeL	Vapor or Air
2211571617	COC FumberL	---	Receixe BateL	05/17/2022 17:28
	hrovect FumberL	---	Sampling BateL	05/17/2022 10:00
	Sampling j ocationL	---	Sample Bept) L	---
	Sampling hointL	IA-15	j ab Matri. L	Air
	Sampled z yL	J. Schaaf	Sample TypeL	Vapor or Air

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ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
22115716ID	**COC FumberL**	---	**Receixe BateL**	05/17/2022 17:28
	hrovect FumberL	---	**Sampling BateL**	05/17/2022 10:22
	Sampling j ocationL	---	**Sample Bept) L**	---
	Sampling hointL	IA-16	**j ab Matri. L**	Air
	Sampled z yL	J. Schaaf	**Sample TypeL**	Vapor or Air
2211571615	**COC FumberL**	---	**Receixe BateL**	05/17/2022 17:28
	hrovect FumberL	---	**Sampling BateL**	05/17/2022 10:25
	Sampling j ocationL	---	**Sample Bept) L**	---
	Sampling hointL	IA-17	**j ab Matri. L**	Air
	Sampled z yL	J. Schaaf	**Sample TypeL**	Vapor or Air
22115716IU	**COC FumberL**	---	**Receixe BateL**	05/17/2022 17:28
	hrovect FumberL	---	**Sampling BateL**	05/17/2022 10:36
	Sampling j ocationL	---	**Sample Bept) L**	---
	Sampling hointL	AA-1	**j ab Matri. L**	Air
	Sampled z yL	J. Schaaf	**Sample TypeL**	Vapor or Air
22115716IP	**COC FumberL**	---	**Receixe BateL**	05/17/2022 17:28
	hrovect FumberL	---	**Sampling BateL**	05/17/2022 10:39
	Sampling j ocationL	---	**Sample Bept) L**	---
	Sampling hointL	AA-3	**j ab Matri. L**	Air
	Sampled z yL	J. Schaaf	**Sample TypeL**	Vapor or Air

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ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL 2211641-01	Client Sample FameL IA-2, 5/17/2022 8:30:00AM, J. Schaaf

Constituent	Result	9nits	hQj	MBj	Met) od	Mz z ias	j ab Quals	BCF
0cetone	**23**	**ug/mA**	**P87**	**-8-5A**	**Eh06TO61D6SIM**	ND	**01-**	1
z en, ene	**-8DU**	**ug/mA**	**-81U**	**-8-11**	**Eh06TO61D6SIM**	ND	**01-**	2
Benzyl chloride	ND	ug/m3	1.7	0.018	EPA-TO-15-SIM	ND	A10	2
Carbon tetrachloride	ND	ug/m3	0.68	0.021	EPA-TO-15-SIM	ND	A10	2
Chlorobenzene	ND	ug/m3	0.34	0.027	EPA-TO-15-SIM	ND	A10	2
Chloroform	ND	ug/m3	0.17	0.020	EPA-TO-15-SIM	ND	A10	2
1,2-Dibromoethane	ND	ug/m3	0.68	0.047	EPA-TO-15-SIM	ND	A10	2
1,2-Dichlorobenzene	ND	ug/m3	0.68	0.037	EPA-TO-15-SIM	ND	A10	2
1,3-Dichlorobenzene	ND	ug/m3	0.68	0.044	EPA-TO-15-SIM	ND	A10	2
1,4-Dichlorobenzene	ND	ug/m3	0.68	0.054	EPA-TO-15-SIM	ND	A10	2
Bic) lorodifluoromet) ane	**287**	**ug/mA**	**-81U**	**-8-1P**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1-Dichloroethane	ND	ug/m3	0.17	0.014	EPA-TO-15-SIM	ND	A10	2
1,2-Dichloroethane	ND	ug/m3	0.34	0.016	EPA-TO-15-SIM	ND	A10	2
1,1-Dichloroethene	ND	ug/m3	0.17	0.026	EPA-TO-15-SIM	ND	A10	2
cis-1,2-Dichloroethene	ND	ug/m3	0.17	0.015	EPA-TO-15-SIM	ND	A10	2
trans-1,2-Dichloroethene	ND	ug/m3	0.17	0.025	EPA-TO-15-SIM	ND	A10	2
trans-1,3-Dichloropropene	ND	ug/m3	0.17	0.044	EPA-TO-15-SIM	ND	A10	2
1J16Bifluoroet) ane	**-8AP**	**ug/mA**	**1U**	**-8--31**	**Eh06TO61D6SIM**	ND	**4J01-**	2
Et) ylben, ene	**-8UP**	**ug/mA**	**-81U**	**-8-DU**	**Eh06TO61D6SIM**	ND	**01-**	2
Methylene chloride	ND	ug/m3	0.68	0.026	EPA-TO-15-SIM	ND	A10	2
Tetrachloroethene	ND	ug/m3	0.34	0.037	EPA-TO-15-SIM	ND	A10	2
Toluene	**D8A**	**ug/mA**	**-8P7**	**-8-D2**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1,1-Trichloroethane	ND	ug/m3	0.34	0.019	EPA-TO-15-SIM	ND	A10	2
1,1,2-Trichloroethane	ND	ug/m3	0.34	0.019	EPA-TO-15-SIM	ND	A10,L07	2
Trichloroethene	ND	ug/m3	0.34	0.032	EPA-TO-15-SIM	ND	A10	2
Tric) lorofluoromet) ane	**18A**	**ug/mA**	**-81U**	**-8-13**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	0.34	0.026	EPA-TO-15-SIM	ND	A10	2
Vinyl chloride	ND	ug/m3	0.068	0.016	EPA-TO-15-SIM	ND	A10	2
p6& m6Xylenes	**28D**	**ug/mA**	**-81U**	**-8-2P**	**Eh06TO61D6SIM**	ND	**01-**	2
o6Xylene	**-8UD**	**ug/mA**	**-81U**	**-8-1D**	**Eh06TO61D6SIM**	ND	**01-**	2
Total Xylenes	**A8A**	**ug/mA**	**-8A7**	**-8-77**	**Eh06TO61D6SIM**	ND	**01-**	2
4-Bromofluorobenzene (Surrogate)	91.9	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			1
4-Bromofluorobenzene (Surrogate)	109	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			2

Pace Analytical
ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-01	Client Sample F ameL	IA-2, 5/17/2022 8:30:00AM, J. Schaaf

BCF	Met) od	hrep Bate	Run Bate/Time	0 nalyst	Instrument	Bilution	QC z atc) IB	
1	EPA-TO-15-SIM	05/18/22 11:39	05/19/22 02:49	BEP	MS-A2	8.450	B139958	EPA TO-15
2	EPA-TO-15-SIM	05/18/22 11:39	05/18/22 18:32	BEP	MS-A2	3.380	B139958	EPA TO-15

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-02	Client Sample FameL	IA-3, 5/17/2022 8:52:00AM, J. Schaaf

Constituent	Result	9nits	hQj	MBj	Met) od	Mz z ias	j ab Quals	BCF
0cetone	**A-**	**ug/mA**	**A8l**	**-8-2A**	**Eh06TO61D6SIM**	ND	**01-**	1
z en, ene	**288**	**ug/mA**	**-815**	**-8-1-**	**Eh06TO61D6SIM**	ND	**01-**	1
Benzyl chloride	ND	ug/m3	1.6	0.016	EPA-TO-15-SIM	ND	A10	1
Carbon tetrachloride	ND	ug/m3	0.62	0.020	EPA-TO-15-SIM	ND	A10	1
Chlorobenzene	ND	ug/m3	0.31	0.025	EPA-TO-15-SIM	ND	A10	1
Chloroform	ND	ug/m3	0.16	0.018	EPA-TO-15-SIM	ND	A10	1
1,2-Dibromoethane	ND	ug/m3	0.62	0.044	EPA-TO-15-SIM	ND	A10	1
1,2-Dichlorobenzene	ND	ug/m3	0.62	0.034	EPA-TO-15-SIM	ND	A10	1
1,3-Dichlorobenzene	ND	ug/m3	0.62	0.041	EPA-TO-15-SIM	ND	A10	1
1,4-Dichlorobenzene	ND	ug/m3	0.62	0.050	EPA-TO-15-SIM	ND	A10	1
Bic) lorodifluoromet) ane	**288**	**ug/mA**	**-815**	**-8-15**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1-Dichloroethane	ND	ug/m3	0.16	0.013	EPA-TO-15-SIM	ND	A10	1
1,2-Dichloroethane	ND	ug/m3	0.31	0.014	EPA-TO-15-SIM	ND	A10	1
1,1-Dichloroethene	ND	ug/m3	0.16	0.024	EPA-TO-15-SIM	ND	A10	1
cis-1,2-Dichloroethene	ND	ug/m3	0.16	0.014	EPA-TO-15-SIM	ND	A10	1
trans-1,2-Dichloroethene	ND	ug/m3	0.16	0.023	EPA-TO-15-SIM	ND	A10	1
trans-1,3-Dichloropropene	ND	ug/m3	0.16	0.041	EPA-TO-15-SIM	ND	A10	1
1J16Bifluoroet) ane	**-87A**	**ug/mA**	**15**	**-8--P7**	**Eh06TO61D6SIM**	ND	**4J01-**	1
Et) ylben, ene	**188**	**ug/mA**	**-815**	**-8-DA**	**Eh06TO61D6SIM**	ND	**01-**	1
Methylene chloride	ND	ug/m3	0.62	0.024	EPA-TO-15-SIM	ND	A10	1
Tetrachloroethene	ND	ug/m3	0.31	0.034	EPA-TO-15-SIM	ND	A10	1
Toluene	**A87**	**ug/mA**	**-8A1**	**-8-13**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1,1-Trichloroethane	ND	ug/m3	0.31	0.017	EPA-TO-15-SIM	ND	A10	1
1,1,2-Trichloroethane	ND	ug/m3	0.31	0.017	EPA-TO-15-SIM	ND	A10,L07	1
Trichloroethene	ND	ug/m3	0.31	0.030	EPA-TO-15-SIM	ND	A10	1
Tric) lorofluoromet) ane	**18D**	**ug/mA**	**-815**	**-8-1P**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	0.31	0.024	EPA-TO-15-SIM	ND	A10	1
Vinyl chloride	ND	ug/m3	0.062	0.014	EPA-TO-15-SIM	ND	A10	1
p6& m6Xylenes	**U8J**	**ug/mA**	**-815**	**-8-25**	**Eh06TO61D6SIM**	ND	**01-**	1
o6Xylene	**18J**	**ug/mA**	**-815**	**-8-17**	**Eh06TO61D6SIM**	ND	**01-**	1
Total Xylenes	**387**	**ug/mA**	**-8A1**	**-8-71**	**Eh06TO61D6SIM**	ND	**01-**	1
4-Bromofluorobenzene (Surrogate)	94.1	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			1

Pace Analytical
ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-02	Client Sample F ameL	IA-3, 5/17/2022 8:52:00AM, J. Schaaf

BCF	Met) od	hrep Bate	Run Bate/Time	0 nalyst	Instrument	Bilution	QC z atc) IB	
1	EPA-TO-15-SIM	05/18/22 11:39	05/18/22 19:06	BEP	MS-A2	3.120	B139958	EPA TO-15

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-03	Client Sample FameL	IA-4, 5/17/2022 8:56:00AM, J. Schaaf

Constituent	Result	9nits	hQj	MBj	Met) od	Mz z ias	j ab Quals	BCF
0cetone	**2P**	**ug/mA**	**A8l**	**-8-2A**	**Eh06TO61D6SIM**	ND	**01-**	1
z en, ene	**18-**	**ug/mA**	**-8lD**	**-8--3P**	**Eh06TO61D6SIM**	ND	**01-**	1
Benzyl chloride	ND	ug/m3	1.5	0.016	EPA-TO-15-SIM	ND	A10	1
Carbon tetrachloride	ND	ug/m3	0.61	0.019	EPA-TO-15-SIM	ND	A10	1
Chlorobenzene	ND	ug/m3	0.31	0.024	EPA-TO-15-SIM	ND	A10	1
Chloroform	ND	ug/m3	0.15	0.018	EPA-TO-15-SIM	ND	A10	1
1,2-Dibromoethane	ND	ug/m3	0.61	0.043	EPA-TO-15-SIM	ND	A10	1
1,2-Dichlorobenzene	ND	ug/m3	0.61	0.034	EPA-TO-15-SIM	ND	A10	1
1,3-Dichlorobenzene	ND	ug/m3	0.61	0.040	EPA-TO-15-SIM	ND	A10	1
1,4-Dichlorobenzene	ND	ug/m3	0.61	0.049	EPA-TO-15-SIM	ND	A10	1
Bic) lorodifluoromet) ane	**28D**	**ug/mA**	**-8lD**	**-8-15**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1-Dichloroethane	ND	ug/m3	0.15	0.013	EPA-TO-15-SIM	ND	A10	1
1,2-Dichloroethane	ND	ug/m3	0.31	0.014	EPA-TO-15-SIM	ND	A10	1
1,1-Dichloroethene	ND	ug/m3	0.15	0.024	EPA-TO-15-SIM	ND	A10	1
cis-1,2-Dichloroethene	ND	ug/m3	0.15	0.013	EPA-TO-15-SIM	ND	A10	1
trans-1,2-Dichloroethene	ND	ug/m3	0.15	0.023	EPA-TO-15-SIM	ND	A10	1
trans-1,3-Dichloropropene	ND	ug/m3	0.15	0.040	EPA-TO-15-SIM	ND	A10	1
1J16Bifluoroet) ane	**287**	**ug/mA**	**1D**	**-8--PA**	**Eh06TO61D6SIM**	ND	**4J01-**	1
Et) ylben, ene	**-8P1**	**ug/mA**	**-8lD**	**-8-D2**	**Eh06TO61D6SIM**	ND	**01-**	1
Methylene chloride	ND	ug/m3	0.61	0.024	EPA-TO-15-SIM	ND	A10	1
Tetrac) loroet) ene	**A8D**	**ug/mA**	**-8A1**	**-8-A7**	**Eh06TO61D6SIM**	ND	**01-**	1
Toluene	**D8D**	**ug/mA**	**-8A1**	**-8-13**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1,1-Trichloroethane	ND	ug/m3	0.31	0.017	EPA-TO-15-SIM	ND	A10	1
1,1,2-Trichloroethane	ND	ug/m3	0.31	0.017	EPA-TO-15-SIM	ND	A10,L07	1
Trichloroethene	ND	ug/m3	0.31	0.029	EPA-TO-15-SIM	ND	A10	1
Tric) lorofluoromet) ane	**187**	**ug/mA**	**-8lD**	**-8-1U**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	0.31	0.024	EPA-TO-15-SIM	ND	A10	1
Vinyl chloride	ND	ug/m3	0.061	0.014	EPA-TO-15-SIM	ND	A10	1
p6& m6Xylenes	**A8l**	**ug/mA**	**-8lD**	**-8-2D**	**Eh06TO61D6SIM**	ND	**01-**	1
o6Xylene	**-83U**	**ug/mA**	**-8lD**	**-8-1A**	**Eh06TO61D6SIM**	ND	**01-**	1
Total Xylenes	**78-**	**ug/mA**	**-8A1**	**-8-7-**	**Eh06TO61D6SIM**	ND	**01-**	1
4-Bromofluorobenzene (Surrogate)	110	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			1

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Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-03	Client Sample FameL	IA-4, 5/17/2022 8:56:00AM, J. Schaaf

BCF	Met) od	hrep Bate	Run Bate/Time	0 nalyst	Instrument	Bilution	QC z atc) IB	
1	EPA-TO-15-SIM	05/18/22 11:39	05/18/22 19:39	BEP	MS-A2	3.060	B139958	EPA TO-15

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Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-04	Client Sample FameL	IA-5, 5/17/2022 9:01:00AM, J. Schaaf

Constituent	Result	9nits	hQj	MBj	Met) od	Mz z ias	j ab Quals	BCF
0cetone	**75**	**ug/mA**	**2P**	**-821**	**Eh06TO61D6SIM**	ND	**01-**	1
z en, ene	**-8D1**	**ug/mA**	**-817**	**-8-3-**	**Eh06TO61D6SIM**	ND	**01-**	2
Benzyl chloride	ND	ug/m3	1.4	0.015	EPA-TO-15-SIM	ND	A10	2
Carbon tetrachloride	ND	ug/m3	0.56	0.018	EPA-TO-15-SIM	ND	A10	2
Chlorobenzene	ND	ug/m3	0.28	0.022	EPA-TO-15-SIM	ND	A10	2
Chloroform	ND	ug/m3	0.14	0.016	EPA-TO-15-SIM	ND	A10	2
1,2-Dibromoethane	ND	ug/m3	0.56	0.039	EPA-TO-15-SIM	ND	A10	2
1,2-Dichlorobenzene	ND	ug/m3	0.56	0.031	EPA-TO-15-SIM	ND	A10	2
1,3-Dichlorobenzene	ND	ug/m3	0.56	0.037	EPA-TO-15-SIM	ND	A10	2
1,4-Dichlorobenzene	ND	ug/m3	0.56	0.045	EPA-TO-15-SIM	ND	A10	2
Bic) lorodifluoromet) ane	**28J**	**ug/mA**	**-817**	**-8-1D**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1-Dichloroethane	ND	ug/m3	0.14	0.012	EPA-TO-15-SIM	ND	A10	2
1,2-Dichloroethane	ND	ug/m3	0.28	0.013	EPA-TO-15-SIM	ND	A10	2
1,1-Dichloroethene	ND	ug/m3	0.14	0.022	EPA-TO-15-SIM	ND	A10	2
cis-1,2-Dichloroethene	ND	ug/m3	0.14	0.012	EPA-TO-15-SIM	ND	A10	2
trans-1,2-Dichloroethene	ND	ug/m3	0.14	0.021	EPA-TO-15-SIM	ND	A10	2
trans-1,3-Dichloropropene	ND	ug/m3	0.14	0.037	EPA-TO-15-SIM	ND	A10	2
1J16Bifluoroet) ane	**187**	**ug/mA**	**17**	**-8-U5**	**Eh06TO61D6SIM**	ND	**4J01-**	2
Et) ylben, ene	**D81**	**ug/mA**	**-817**	**-8-7P**	**Eh06TO61D6SIM**	ND	**01-**	2
Methylene chloride	ND	ug/m3	0.56	0.022	EPA-TO-15-SIM	ND	A10	2
Tetrachloroethene	ND	ug/m3	0.28	0.031	EPA-TO-15-SIM	ND	A10	2
Toluene	**A87**	**ug/mA**	**-82P**	**-8-1U**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1,1-Trichloroethane	ND	ug/m3	0.28	0.016	EPA-TO-15-SIM	ND	A10	2
1,1,2-Trichloroethane	ND	ug/m3	0.28	0.016	EPA-TO-15-SIM	ND	A10,L07	2
Trichloroethene	ND	ug/m3	0.28	0.027	EPA-TO-15-SIM	ND	A10	2
Tric) lorofluoromet) ane	**185**	**ug/mA**	**-817**	**-8-15**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	0.28	0.022	EPA-TO-15-SIM	ND	A10	2
Vinyl chloride	ND	ug/m3	0.056	0.013	EPA-TO-15-SIM	ND	A10	2
p6& m6Xylenes	**13**	**ug/mA**	**187**	**-82A**	**Eh06TO61D6SIM**	ND	**01-**	1
o6Xylene	**A8P**	**ug/mA**	**187**	**-812**	**Eh06TO61D6SIM**	ND	**01-**	1
Total Xylenes	**2A**	**ug/mA**	**28P**	**-8AU**	**Eh06TO61D6SIM**	ND	**01-**	1
4-Bromofluorobenzene (Surrogate)	87.4	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			1
4-Bromofluorobenzene (Surrogate)	127	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			2

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Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-04	Client Sample F ameL	IA-5, 5/17/2022 9:01:00AM, J. Schaaf

BCF	Met) od	hrep Bate	Run Bate/Time	0 nalyst	Instrument	Bilution	QC z atc) IB	
1	EPA-TO-15-SIM	05/18/22 11:39	05/19/22 03:21	BEP	MS-A2	28.200	B139958	EPA TO-15
2	EPA-TO-15-SIM	05/18/22 11:39	05/18/22 20:12	BEP	MS-A2	2.820	B139958	EPA TO-15

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Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-05	Client Sample FameL	IA-6, 5/17/2022 10:10:00AM, J. Schaaf

Constituent	Result	9nits	hQj	MBj	Met) od	Mz z ias	j ab Quals	BCF
0cetone	**71**	**ug/mA**	**U87**	**-8-D5**	**Eh06TO61D6SIM**	ND	**01-**	1
z en, ene	**-8J7**	**ug/mA**	**-81D**	**-8--3D**	**Eh06TO61D6SIM**	ND	**01-**	2
Benzyl chloride	ND	ug/m3	1.5	0.015	EPA-TO-15-SIM	ND	A10	2
Carbon tetrachloride	ND	ug/m3	0.59	0.019	EPA-TO-15-SIM	ND	A10	2
Chlorobenzene	ND	ug/m3	0.30	0.023	EPA-TO-15-SIM	ND	A10	2
Chloroform	ND	ug/m3	0.15	0.017	EPA-TO-15-SIM	ND	A10	2
1,2-Dibromoethane	ND	ug/m3	0.59	0.041	EPA-TO-15-SIM	ND	A10	2
1,2-Dichlorobenzene	ND	ug/m3	0.59	0.033	EPA-TO-15-SIM	ND	A10	2
1,3-Dichlorobenzene	ND	ug/m3	0.59	0.038	EPA-TO-15-SIM	ND	A10	2
1,4-Dichlorobenzene	ND	ug/m3	0.59	0.047	EPA-TO-15-SIM	ND	A10	2
Bic) lorodifluoromet) ane	**288**	**ug/mA**	**-81D**	**-8-1D**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1-Dichloroethane	ND	ug/m3	0.15	0.012	EPA-TO-15-SIM	ND	A10	2
1,2-Dichloroethane	ND	ug/m3	0.30	0.014	EPA-TO-15-SIM	ND	A10	2
1,1-Dichloroethene	ND	ug/m3	0.15	0.023	EPA-TO-15-SIM	ND	A10	2
cis-1,2-Dichloroethene	ND	ug/m3	0.15	0.013	EPA-TO-15-SIM	ND	A10	2
trans-1,2-Dichloroethene	ND	ug/m3	0.15	0.022	EPA-TO-15-SIM	ND	A10	2
trans-1,3-Dichloropropene	ND	ug/m3	0.15	0.038	EPA-TO-15-SIM	ND	A10	2
1J16Bifluoroet) ane	**28A**	**ug/mA**	**1D**	**-8--P-**	**Eh06TO61D6SIM**	ND	**4J01-**	2
Et) ylben, ene	**-83A**	**ug/mA**	**-81D**	**-8-D-**	**Eh06TO61D6SIM**	ND	**01-**	2
Methylene chloride	ND	ug/m3	1.5	0.057	EPA-TO-15-SIM	ND	A10	1
Tetrachloroethene	ND	ug/m3	0.30	0.033	EPA-TO-15-SIM	ND	A10	2
Toluene	**U8D**	**ug/mA**	**-8J7**	**-8-75**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1,1-Trichloroethane	ND	ug/m3	0.30	0.016	EPA-TO-15-SIM	ND	A10	2
1,1,2-Trichloroethane	ND	ug/m3	0.30	0.016	EPA-TO-15-SIM	ND	A10,L07	2
Trichloroethene	ND	ug/m3	0.30	0.028	EPA-TO-15-SIM	ND	A10	2
Tric) lorofluoromet) ane	**185**	**ug/mA**	**-81D**	**-8-1U**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	0.30	0.023	EPA-TO-15-SIM	ND	A10	2
Vinyl chloride	ND	ug/m3	0.059	0.014	EPA-TO-15-SIM	ND	A10	2
p6& m6Xylenes	**A81**	**ug/mA**	**-81D**	**-8-27**	**Eh06TO61D6SIM**	ND	**01-**	2
o6Xylene	**18-**	**ug/mA**	**-81D**	**-8-1A**	**Eh06TO61D6SIM**	ND	**01-**	2
Total Xylenes	**782**	**ug/mA**	**-8A-**	**-8-AP**	**Eh06TO61D6SIM**	ND	**01-**	2
4-Bromofluorobenzene (Surrogate)	94.7	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			1
4-Bromofluorobenzene (Surrogate)	131	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			2

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Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-05	Client Sample F ameL	IA-6, 5/17/2022 10:10:00AM, J. Schaaf

BCF	Met) od	hrep Bate	Run Bate/Time	0 nalyst	Instrument	Bilution	QC z atc) IB	
1	EPA-TO-15-SIM	05/18/22 11:39	05/19/22 03:52	BEP	MS-A2	7.400	B139958	EPA TO-15
2	EPA-TO-15-SIM	05/18/22 11:39	05/18/22 20:46	BEP	MS-A2	2.960	B139958	EPA TO-15

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Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL 2211641-06	Client Sample FameL IA-7, 5/17/2022 9:21:00AM, J. Schaaf

Constituent	Result	9nits	hQj	MBj	Met) od	Mz z ias	j ab Quals	BCF
0cetone	**55**	**ug/mA**	**1D**	**-811**	**Eh06TO61D6SIM**	ND	**01-**	1
z en, ene	**18A**	**ug/mA**	**-81D**	**-8-37**	**Eh06TO61D6SIM**	ND	**01-**	2
Benzyl chloride	ND	ug/m3	1.5	0.015	EPA-TO-15-SIM	ND	A10	2
Carbon tetrachloride	ND	ug/m3	0.59	0.019	EPA-TO-15-SIM	ND	A10	2
Chlorobenzene	ND	ug/m3	0.29	0.023	EPA-TO-15-SIM	ND	A10	2
Chloroform	ND	ug/m3	0.15	0.017	EPA-TO-15-SIM	ND	A10	2
1,2-Dibromoethane	ND	ug/m3	0.59	0.041	EPA-TO-15-SIM	ND	A10	2
1,2-Dichlorobenzene	ND	ug/m3	0.59	0.032	EPA-TO-15-SIM	ND	A10	2
1,3-Dichlorobenzene	ND	ug/m3	0.59	0.038	EPA-TO-15-SIM	ND	A10	2
1,4-Dichlorobenzene	ND	ug/m3	0.59	0.047	EPA-TO-15-SIM	ND	A10	2
Bic) lorodifluoromet) ane	**28P**	**ug/mA**	**-81D**	**-8-1D**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1-Dichloroethane	ND	ug/m3	0.15	0.012	EPA-TO-15-SIM	ND	A10	2
1,2-Dichloroethane	ND	ug/m3	0.29	0.014	EPA-TO-15-SIM	ND	A10	2
1,1-Dichloroethene	ND	ug/m3	0.15	0.023	EPA-TO-15-SIM	ND	A10	2
cis-1,2-Dichloroethene	ND	ug/m3	0.15	0.013	EPA-TO-15-SIM	ND	A10	2
trans-1,2-Dichloroethene	ND	ug/m3	0.15	0.022	EPA-TO-15-SIM	ND	A10	2
trans-1,3-Dichloropropene	ND	ug/m3	0.15	0.038	EPA-TO-15-SIM	ND	A10	2
1J16Bifluoroet) ane	**-8P2**	**ug/mA**	**1D**	**-8--U3**	**Eh06TO61D6SIM**	ND	**4J01-**	2
Et) ylben, ene	**282**	**ug/mA**	**-81D**	**-8-D-**	**Eh06TO61D6SIM**	ND	**01-**	2
Methylene chloride	ND	ug/m3	0.59	0.023	EPA-TO-15-SIM	ND	A10	2
Tetrac) loroet) ene	**28J**	**ug/mA**	**-823**	**-8-A2**	**Eh06TO61D6SIM**	ND	**01-**	2
Toluene	**11**	**ug/mA**	**18D**	**-8-31**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1,1-Trichloroethane	ND	ug/m3	0.29	0.016	EPA-TO-15-SIM	ND	A10	2
1,1,2-Trichloroethane	ND	ug/m3	0.29	0.016	EPA-TO-15-SIM	ND	A10,L07	2
Trichloroethene	ND	ug/m3	0.29	0.028	EPA-TO-15-SIM	ND	A10	2
Tric) lorofluoromet) ane	**187**	**ug/mA**	**-81D**	**-8-1U**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	0.29	0.023	EPA-TO-15-SIM	ND	A10	2
Vinyl chloride	ND	ug/m3	0.059	0.014	EPA-TO-15-SIM	ND	A10	2
p6& m6Xylenes	**11**	**ug/mA**	**-81D**	**-8-27**	**Eh06TO61D6SIM**	ND	**01-**	2
o6Xylene	**A8J**	**ug/mA**	**-81D**	**-8-1A**	**Eh06TO61D6SIM**	ND	**01-**	2
Total Xylenes	**1D**	**ug/mA**	**-823**	**-8-AP**	**Eh06TO61D6SIM**	ND	**01-**	2
4-Bromofluorobenzene (Surrogate)	108	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			1
4-Bromofluorobenzene (Surrogate)	141	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			2

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Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-06	Client Sample F ameL	IA-7, 5/17/2022 9:21:00AM, J. Schaaf

BCF	Met) od	hrep Bate	Run Bate/Time	0 nalyst	Instrument	Bilution	QC z atc) IB	
1	EPA-TO-15-SIM	05/18/22 11:39	05/19/22 04:23	BEP	MS-A2	14.700	B139958	EPA TO-15
2	EPA-TO-15-SIM	05/18/22 11:39	05/18/22 21:19	BEP	MS-A2	2.940	B139958	EPA TO-15

DCN = Data Continuation Number

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79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL 2211641-07	Client Sample FameL IA-8, 5/17/2022 9:23:00AM, J. Schaaf

Constituent	Result	9nits	hQj	MBj	Met) od	Mz z ias	j ab Quals	BCF
0cetone	**2D**	**ug/mA**	**17**	**-811**	**Eh06TO61D6SIM**	ND	**01-**	1
z en, ene	**18-**	**ug/mA**	**-817**	**-8-32**	**Eh06TO61D6SIM**	ND	**01-**	2
Benzyl chloride	ND	ug/m3	1.4	0.015	EPA-TO-15-SIM	ND	A10	2
Carbon tetrachloride	ND	ug/m3	0.58	0.018	EPA-TO-15-SIM	ND	A10	2
Chlorobenzene	ND	ug/m3	0.29	0.023	EPA-TO-15-SIM	ND	A10	2
Chloroform	ND	ug/m3	0.14	0.017	EPA-TO-15-SIM	ND	A10	2
1,2-Dibromoethane	ND	ug/m3	0.58	0.040	EPA-TO-15-SIM	ND	A10	2
1,2-Dichlorobenzene	ND	ug/m3	0.58	0.032	EPA-TO-15-SIM	ND	A10	2
1,3-Dichlorobenzene	ND	ug/m3	2.9	0.19	EPA-TO-15-SIM	ND	A10	1
1,4-Dichlorobenzene	ND	ug/m3	0.58	0.046	EPA-TO-15-SIM	ND	A10	2
Bic) lorodifluoromet) ane	**28P**	**ug/mA**	**-817**	**-8-1D**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1-Dichloroethane	ND	ug/m3	0.14	0.012	EPA-TO-15-SIM	ND	A10	2
1,2-Dichloroethane	ND	ug/m3	0.29	0.013	EPA-TO-15-SIM	ND	A10	2
1,1-Dichloroethene	ND	ug/m3	0.14	0.022	EPA-TO-15-SIM	ND	A10	2
cis-1,2-Dichloroethene	ND	ug/m3	0.14	0.013	EPA-TO-15-SIM	ND	A10	2
trans-1,2-Dichloroethene	ND	ug/m3	0.14	0.022	EPA-TO-15-SIM	ND	A10	2
trans-1,3-Dichloropropene	ND	ug/m3	0.14	0.037	EPA-TO-15-SIM	ND	A10	2
1J16Bifluoroet) ane	**282**	**ug/mA**	**17**	**-8-UP**	**Eh06TO61D6SIM**	ND	**4J01-**	2
Et) ylben, ene	**-85-**	**ug/mA**	**-817**	**-8-73**	**Eh06TO61D6SIM**	ND	**01-**	2
Methylene chloride	ND	ug/m3	0.58	0.022	EPA-TO-15-SIM	ND	A10	2
Tetrachloroethene	ND	ug/m3	0.29	0.032	EPA-TO-15-SIM	ND	A10	2
Toluene	**A8P**	**ug/mA**	**-823**	**-8-1P**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1,1-Trichloroethane	ND	ug/m3	0.29	0.016	EPA-TO-15-SIM	ND	A10	2
1,1,2-Trichloroethane	ND	ug/m3	0.29	0.016	EPA-TO-15-SIM	ND	A10,L07	2
Trichloroethene	ND	ug/m3	0.29	0.027	EPA-TO-15-SIM	ND	A10	2
Tric) lorofluoromet) ane	**187**	**ug/mA**	**-817**	**-8-15**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	0.29	0.022	EPA-TO-15-SIM	ND	A10	2
Vinyl chloride	ND	ug/m3	0.058	0.013	EPA-TO-15-SIM	ND	A10	2
p6& m6Xylenes	**282**	**ug/mA**	**-817**	**-8-27**	**Eh06TO61D6SIM**	ND	**01-**	2
o6Xylene	**-8P1**	**ug/mA**	**-817**	**-8-1A**	**Eh06TO61D6SIM**	ND	**01-**	2
Total Xylenes	**A8-**	**ug/mA**	**-823**	**-8-AU**	**Eh06TO61D6SIM**	ND	**01-**	2
4-Bromofluorobenzene (Surrogate)	88.0	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			1
4-Bromofluorobenzene (Surrogate)	126	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			2

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Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-07	Client Sample F ameL	IA-8, 5/17/2022 9:23:00AM, J. Schaaf

BCF	Met) od	hrep Bate	Run Bate/Time	0 nalyst	Instrument	Bilution	QC z atc) IB	
1	EPA-TO-15-SIM	05/18/22 11:39	05/19/22 04:54	BEP	MS-A2	14.400	B139958	EPA TO-15
2	EPA-TO-15-SIM	05/18/22 11:39	05/18/22 21:51	BEP	MS-A2	2.880	B139958	EPA TO-15

DCN = Data Continuation Number

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Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL 2211641-08	Client Sample FameL IA-9, 5/17/2022 9:26:00AM, J. Schaaf

Constituent	Result	9nits	hQj	MBj	Met) od	Mz z ias	j ab Quals	BCF
0cetone	**2P**	**ug/mA**	**U82**	**-8D7**	**Eh06TO61D6SIM**	ND	**01-**	1
z en, ene	**-8DU**	**ug/mA**	**-817**	**-8-32**	**Eh06TO61D6SIM**	ND	**01-**	2
Benzyl chloride	ND	ug/m3	1.4	0.015	EPA-TO-15-SIM	ND	A10	2
Carbon tetrachloride	ND	ug/m3	0.58	0.018	EPA-TO-15-SIM	ND	A10	2
Chlorobenzene	ND	ug/m3	0.29	0.023	EPA-TO-15-SIM	ND	A10	2
Chloroform	ND	ug/m3	0.14	0.017	EPA-TO-15-SIM	ND	A10	2
1,2-Dibromoethane	ND	ug/m3	0.58	0.040	EPA-TO-15-SIM	ND	A10	2
1,2-Dichlorobenzene	ND	ug/m3	0.58	0.032	EPA-TO-15-SIM	ND	A10	2
1,3-Dichlorobenzene	ND	ug/m3	0.58	0.037	EPA-TO-15-SIM	ND	A10	2
1,4-Dichlorobenzene	ND	ug/m3	0.58	0.046	EPA-TO-15-SIM	ND	A10	2
Bic) lorodifluoromet) ane	**A8I**	**ug/mA**	**-817**	**-81D**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1-Dichloroethane	ND	ug/m3	0.14	0.012	EPA-TO-15-SIM	ND	A10	2
1,2-Dichloroethane	ND	ug/m3	0.29	0.013	EPA-TO-15-SIM	ND	A10	2
1,1-Dichloroethene	ND	ug/m3	0.14	0.022	EPA-TO-15-SIM	ND	A10	2
cis-1,2-Dichloroethene	ND	ug/m3	0.14	0.013	EPA-TO-15-SIM	ND	A10	2
trans-1,2-Dichloroethene	ND	ug/m3	0.14	0.022	EPA-TO-15-SIM	ND	A10	2
trans-1,3-Dichloropropene	ND	ug/m3	0.14	0.037	EPA-TO-15-SIM	ND	A10	2
1J16Bifluoroet) ane	**-832**	**ug/mA**	**17**	**-8-UP**	**Eh06TO61D6SIM**	ND	**4J01-**	2
Et) ylben, ene	**-8DP**	**ug/mA**	**-817**	**-873**	**Eh06TO61D6SIM**	ND	**01-**	2
Methylene chloride	ND	ug/m3	0.58	0.022	EPA-TO-15-SIM	ND	A10	2
Tetrachloroethene	ND	ug/m3	0.29	0.032	EPA-TO-15-SIM	ND	A10	2
Toluene	**D8**	**ug/mA**	**-8U2**	**-87D**	**Eh06TO61D6SIM**	ND	**01-**	1
1JIJI6Tric) loroet) ane	**78**	**ug/mA**	**-823**	**-815**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1,2-Trichloroethane	ND	ug/m3	0.29	0.016	EPA-TO-15-SIM	ND	A10,L07	2
Trichloroethene	ND	ug/m3	0.29	0.027	EPA-TO-15-SIM	ND	A10	2
Tric) lorofluoromet) ane	**18**	**ug/mA**	**-817**	**-815**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	0.29	0.022	EPA-TO-15-SIM	ND	A10	2
Vinyl chloride	ND	ug/m3	0.058	0.013	EPA-TO-15-SIM	ND	A10	2
p6& m6Xylenes	**18P**	**ug/mA**	**-817**	**-827**	**Eh06TO61D6SIM**	ND	**01-**	2
o6Xylene	**-85A**	**ug/mA**	**-817**	**-81A**	**Eh06TO61D6SIM**	ND	**01-**	2
Total Xylenes	**287**	**ug/mA**	**-823**	**-8AU**	**Eh06TO61D6SIM**	ND	**01-**	2
4-Bromofluorobenzene (Surrogate)	101	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			1
4-Bromofluorobenzene (Surrogate)	116	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			2

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Geoenviro Services, Inc - Camarillo
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Camarillo, CA 93010

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Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-08	Client Sample F ameL	IA-9, 5/17/2022 9:26:00AM, J. Schaaf

BCF	Met) od	hrep Bate	Run Bate/Time	0 nalyst	Instrument	Bilution	QC z atc) IB	
1	EPA-TO-15-SIM	05/18/22 11:39	05/19/22 05:26	BEP	MS-A2	7.200	B139958	EPA TO-15
2	EPA-TO-15-SIM	05/18/22 11:39	05/18/22 22:24	BEP	MS-A2	2.880	B139958	EPA TO-15

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Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL 2211641-09	Client Sample FameL IA-10, 5/17/2022 9:30:00AM, J. Schaaf

Constituent	Result	9nits	hQj	MBj	Met) od	Mz z ias	j ab Quals	BCF
0cetone	**U85**	**ug/mA**	**187**	**-8-11**	**Eh06TO61D6SIM**	ND	**01-**	1
z en, ene	**-871**	**ug/mA**	**-8-U2**	**-8--75**	**Eh06TO61D6SIM**	ND	**01-**	1
Benzyl chloride	ND	ug/m3	0.72	0.0074	EPA-TO-15-SIM	ND	A10	1
Carbon tetrachloride	ND	ug/m3	0.29	0.0090	EPA-TO-15-SIM	ND	A10	1
Chlorobenzene	ND	ug/m3	0.14	0.011	EPA-TO-15-SIM	ND	A10	1
Chloroform	ND	ug/m3	0.072	0.0083	EPA-TO-15-SIM	ND	A10	1
1,2-Dibromoethane	ND	ug/m3	0.29	0.020	EPA-TO-15-SIM	ND	A10	1
1,2-Dichlorobenzene	ND	ug/m3	0.29	0.016	EPA-TO-15-SIM	ND	A10	1
1,3-Dichlorobenzene	ND	ug/m3	0.29	0.019	EPA-TO-15-SIM	ND	A10	1
1,4-Dichlorobenzene	ND	ug/m3	0.29	0.023	EPA-TO-15-SIM	ND	A10	1
Bic) lorodifluoromet) ane	**288**	**ug/mA**	**-8-U2**	**-8--U7**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1-Dichloroethane	ND	ug/m3	0.072	0.0059	EPA-TO-15-SIM	ND	A10	1
1,2-Dichloroethane	ND	ug/m3	0.14	0.0066	EPA-TO-15-SIM	ND	A10	1
1,1-Dichloroethene	ND	ug/m3	0.072	0.011	EPA-TO-15-SIM	ND	A10	1
cis-1,2-Dichloroethene	ND	ug/m3	0.072	0.0063	EPA-TO-15-SIM	ND	A10	1
trans-1,2-Dichloroethene	ND	ug/m3	0.072	0.011	EPA-TO-15-SIM	ND	A10	1
trans-1,3-Dichloropropene	ND	ug/m3	0.072	0.019	EPA-TO-15-SIM	ND	A10	1
1J16Bifluoroet) ane	**-8P1**	**ug/mA**	**U82**	**-8--A3**	**Eh06TO61D6SIM**	ND	**4J01-**	1
Et) ylben, ene	**-827**	**ug/mA**	**-8-U2**	**-8-27**	**Eh06TO61D6SIM**	ND	**01-**	1
Methylene chloride	ND	ug/m3	0.29	0.011	EPA-TO-15-SIM	ND	A10	1
Tetrachloroethene	ND	ug/m3	0.14	0.016	EPA-TO-15-SIM	ND	A10	1
Toluene	**28A**	**ug/mA**	**-817**	**-8--P3**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1,1-Trichloroethane	ND	ug/m3	0.14	0.0079	EPA-TO-15-SIM	ND	A10	1
1,1,2-Trichloroethane	ND	ug/m3	0.14	0.0079	EPA-TO-15-SIM	ND	A10,L07	1
Trichloroethene	ND	ug/m3	0.14	0.014	EPA-TO-15-SIM	ND	A10	1
Tric) lorofluoromet) ane	**187**	**ug/mA**	**-8-U2**	**-8--P2**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	0.14	0.011	EPA-TO-15-SIM	ND	A10	1
Vinyl chloride	ND	ug/m3	0.029	0.0066	EPA-TO-15-SIM	ND	A10	1
p6& m6Xylenes	**-8P2**	**ug/mA**	**-8-U2**	**-8-12**	**Eh06TO61D6SIM**	ND	**01-**	1
o6Xylene	**-8A2**	**ug/mA**	**-8-U2**	**-8--5A**	**Eh06TO61D6SIM**	ND	**01-**	1
Total Xylenes	**181**	**ug/mA**	**-817**	**-8-13**	**Eh06TO61D6SIM**	ND	**01-**	1
4-Bromofluorobenzene (Surrogate)	105	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			1

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Geoenviro Services, Inc - Camarillo
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Camarillo, CA 93010

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Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-09	Client Sample FameL	IA-10, 5/17/2022 9:30:00AM, J. Schaaf

BCF	Met) od	hrep Bate	Run Bate/Time	0 nalyst	Instrument	Bilution	QC z atc) IB	
1	EPA-TO-15-SIM	05/18/22 11:39	05/19/22 06:03	BEP	MS-A2	1.430	B139958	EPA TO-15

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79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL 2211641-10	Client Sample FameL IA-11, 5/17/2022 9:40:00AM, J. Schaaf

Constituent	Result	9 nits	hQj	MBj	Met) od	Mz z ias	j ab Quals	BCF
0 cetone	**2-**	**ug/mA**	**A8l**	**-8-2A**	**Eh0 6TO61D6SIM**	ND	**01-**	1
z en, ene	**78A**	**ug/mA**	**-815**	**-8-1-**	**Eh0 6TO61D6SIM**	ND	**01-**	1
Benzyl chloride	ND	ug/m3	1.6	0.016	EPA-TO-15-SIM	ND	A10	1
Carbon tetrachloride	ND	ug/m3	0.62	0.020	EPA-TO-15-SIM	ND	A10	1
Chlorobenzene	ND	ug/m3	0.31	0.025	EPA-TO-15-SIM	ND	A10	1
Chloroform	ND	ug/m3	0.16	0.018	EPA-TO-15-SIM	ND	A10	1
1,2-Dibromoethane	ND	ug/m3	0.62	0.044	EPA-TO-15-SIM	ND	A10	1
1,2-Dichlorobenzene	ND	ug/m3	0.62	0.034	EPA-TO-15-SIM	ND	A10	1
1,3-Dichlorobenzene	ND	ug/m3	0.62	0.041	EPA-TO-15-SIM	ND	A10	1
1,4-Dichlorobenzene	ND	ug/m3	0.62	0.050	EPA-TO-15-SIM	ND	A10	1
Bic) lorodifluoromet) ane	**A8-**	**ug/mA**	**-815**	**-8-15**	**Eh0 6TO61D6SIM**	ND	**01-**	1
1,1-Dichloroethane	ND	ug/m3	0.16	0.013	EPA-TO-15-SIM	ND	A10	1
1,2-Dichloroethane	ND	ug/m3	0.31	0.014	EPA-TO-15-SIM	ND	A10	1
1,1-Dichloroethene	ND	ug/m3	0.16	0.024	EPA-TO-15-SIM	ND	A10	1
cis-1,2-Dichloroethene	ND	ug/m3	0.16	0.014	EPA-TO-15-SIM	ND	A10	1
trans-1,2-Dichloroethene	ND	ug/m3	0.16	0.023	EPA-TO-15-SIM	ND	A10	1
trans-1,3-Dichloropropene	ND	ug/m3	0.16	0.041	EPA-TO-15-SIM	ND	A10	1
1J16Bifluoroet) ane	**-8DD**	**ug/mA**	**15**	**-8--P7**	**Eh0 6TO61D6SIM**	ND	**4J01-**	1
Et) ylben, ene	**-85-**	**ug/mA**	**-815**	**-8-DA**	**Eh0 6TO61D6SIM**	ND	**01-**	1
Methylene chloride	ND	ug/m3	0.62	0.024	EPA-TO-15-SIM	ND	A10	1
Tetrachloroethene	ND	ug/m3	0.31	0.034	EPA-TO-15-SIM	ND	A10	1
Toluene	**288**	**ug/mA**	**-8A1**	**-8-13**	**Eh0 6TO61D6SIM**	ND	**01-**	1
1,1,1-Trichloroethane	ND	ug/m3	0.31	0.017	EPA-TO-15-SIM	ND	A10	1
1,1,2-Trichloroethane	ND	ug/m3	0.31	0.017	EPA-TO-15-SIM	ND	A10,L07	1
Trichloroethene	ND	ug/m3	0.31	0.030	EPA-TO-15-SIM	ND	A10	1
Tric) lorofluoromet) ane	**18D**	**ug/mA**	**-815**	**-8-1P**	**Eh0 6TO61D6SIM**	ND	**01-**	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	0.31	0.024	EPA-TO-15-SIM	ND	A10	1
Vinyl chloride	ND	ug/m3	0.062	0.014	EPA-TO-15-SIM	ND	A10	1
p6& m6Xylenes	**188**	**ug/mA**	**-815**	**-8-25**	**Eh0 6TO61D6SIM**	ND	**01-**	1
o6Xylene	**-85U**	**ug/mA**	**-815**	**-8-17**	**Eh0 6TO61D6SIM**	ND	**01-**	1
Total Xylenes	**285**	**ug/mA**	**-8A1**	**-8-71**	**Eh0 6TO61D6SIM**	ND	**01-**	1
4-Bromofluorobenzene (Surrogate)	107	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			1

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Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-10	Client Sample FameL	IA-11, 5/17/2022 9:40:00AM, J. Schaaf

BCF	Met) od	hrep Bate	Run Bate/Time	0 nalyst	Instrument	Bilution	QC z atc) IB	
1	EPA-TO-15-SIM	05/18/22 11:39	05/18/22 23:30	BEP	MS-A2	3.120	B139958	EPA TO-15

DCN = Data Continuation Number

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79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL 2211641-11	Client Sample FameL IA-12, 5/17/2022 9:42:00AM, J. Schaaf

Constituent	Result	9 nits	hQj	MBj	Met) od	Mz z ias	j ab Quals	BCF
0 cetone	**1A**	**ug/mA**	**A8-**	**-8-22**	**Eh0 6TO61D6SIM**	ND	**0 1-**	1
z en, ene	**-8U2**	**ug/mA**	**-81D**	**-8--3D**	**Eh0 6TO61D6SIM**	ND	**0 1-**	1
Benzyl chloride	ND	ug/m3	1.5	0.015	EPA-TO-15-SIM	ND	A10	1
Carbon tetrachloride	ND	ug/m3	0.60	0.019	EPA-TO-15-SIM	ND	A10	1
Chlorobenzene	ND	ug/m3	0.30	0.024	EPA-TO-15-SIM	ND	A10	1
Chloroform	ND	ug/m3	0.15	0.017	EPA-TO-15-SIM	ND	A10	1
1,2-Dibromoethane	ND	ug/m3	0.60	0.042	EPA-TO-15-SIM	ND	A10	1
1,2-Dichlorobenzene	ND	ug/m3	0.60	0.033	EPA-TO-15-SIM	ND	A10	1
1,3-Dichlorobenzene	ND	ug/m3	0.60	0.039	EPA-TO-15-SIM	ND	A10	1
1,4-Dichlorobenzene	ND	ug/m3	0.60	0.048	EPA-TO-15-SIM	ND	A10	1
Bic) lorodifluoromet) ane	**288**	**ug/mA**	**-81D**	**-8-1D**	**Eh0 6TO61D6SIM**	ND	**0 1-**	1
1,1-Dichloroethane	ND	ug/m3	0.15	0.012	EPA-TO-15-SIM	ND	A10	1
1,2-Dichloroethane	ND	ug/m3	0.30	0.014	EPA-TO-15-SIM	ND	A10	1
1,1-Dichloroethene	ND	ug/m3	0.15	0.023	EPA-TO-15-SIM	ND	A10	1
cis-1,2-Dichloroethene	ND	ug/m3	0.15	0.013	EPA-TO-15-SIM	ND	A10	1
trans-1,2-Dichloroethene	ND	ug/m3	0.15	0.022	EPA-TO-15-SIM	ND	A10	1
trans-1,3-Dichloropropene	ND	ug/m3	0.15	0.039	EPA-TO-15-SIM	ND	A10	1
1J16Bifluoroet) ane	**-8AU**	**ug/mA**	**1D**	**-8--P-**	**Eh0 6TO61D6SIM**	ND	**4J0 1-**	1
Et) ylben, ene	**-8AA**	**ug/mA**	**-81D**	**-8-D1**	**Eh0 6TO61D6SIM**	ND	**0 1-**	1
Methylene chloride	ND	ug/m3	0.60	0.023	EPA-TO-15-SIM	ND	A10	1
Tetrachloroethene	ND	ug/m3	0.30	0.033	EPA-TO-15-SIM	ND	A10	1
Toluene	**28P**	**ug/mA**	**-8A-**	**-8-1P**	**Eh0 6TO61D6SIM**	ND	**0 1-**	1
1,1,1-Trichloroethane	ND	ug/m3	0.30	0.016	EPA-TO-15-SIM	ND	A10	1
1,1,2-Trichloroethane	ND	ug/m3	0.30	0.016	EPA-TO-15-SIM	ND	A10,L07	1
Trichloroethene	ND	ug/m3	0.30	0.028	EPA-TO-15-SIM	ND	A10	1
Tric) lorofluoromet) ane	**28A**	**ug/mA**	**-81D**	**-8-1U**	**Eh0 6TO61D6SIM**	ND	**0 1-**	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	0.30	0.023	EPA-TO-15-SIM	ND	A10	1
Vinyl chloride	ND	ug/m3	0.060	0.014	EPA-TO-15-SIM	ND	A10	1
p6& m6Xylenes	**-831**	**ug/mA**	**-81D**	**-8-27**	**Eh0 6TO61D6SIM**	ND	**0 1-**	1
o6Xylene	**-87A**	**ug/mA**	**-81D**	**-8-1A**	**Eh0 6TO61D6SIM**	ND	**0 1-**	1
Total Xylenes	**18A**	**ug/mA**	**-8A-**	**-8-A3**	**Eh0 6TO61D6SIM**	ND	**0 1-**	1
4-Bromofluorobenzene (Surrogate)	104	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			1

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ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo	**ReportedL** 05/23/2022 13:46
79 E. Daly Dr #107	Project: 22-491 SFAC
Camarillo, CA 93010	Project Number: [none]
	Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-11	**Client Sample FameL**	IA-12, 5/17/2022 9:42:00AM, J. Schaaf

BCF	Met) od	hrep Bate	Run Bate/Time	0 nalyst	Instrument	Bilution	QC z atc) IB	
1	EPA-TO-15-SIM	05/18/22 11:39	05/19/22 00:03	BEP	MS-A2	2.980	B139958	EPA TO-15

DCN = Data Continuation Number

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ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL 2211641-12	Client Sample FameL IA-13, 5/17/2022 9:55:00AM, J. Schaaf

Constituent	Result	9nits	hQj	MBj	Met) od	Mz z ias	j ab Quals	BCF
0cetone	**71**	**ug/mA**	**28P**	**-8-21**	**Eh06TO61D6SIM**	ND	**01-**	1
z en, ene	**-8PP**	**ug/mA**	**-817**	**-8--PP**	**Eh06TO61D6SIM**	ND	**01-**	1
Benzyl chloride	ND	ug/m3	1.4	0.014	EPA-TO-15-SIM	ND	A10	1
Carbon tetrachloride	ND	ug/m3	0.55	0.017	EPA-TO-15-SIM	ND	A10	1
Chlorobenzene	ND	ug/m3	0.28	0.022	EPA-TO-15-SIM	ND	A10	1
Chloroform	ND	ug/m3	0.14	0.016	EPA-TO-15-SIM	ND	A10	1
1,2-Dibromoethane	ND	ug/m3	0.55	0.039	EPA-TO-15-SIM	ND	A10	1
1,2-Dichlorobenzene	ND	ug/m3	0.55	0.030	EPA-TO-15-SIM	ND	A10	1
1,3-Dichlorobenzene	ND	ug/m3	0.55	0.036	EPA-TO-15-SIM	ND	A10	1
1,4-Dichlorobenzene	ND	ug/m3	0.55	0.044	EPA-TO-15-SIM	ND	A10	1
Bic) lorodifluoromet) ane	**28J**	**ug/mA**	**-817**	**-8-17**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1-Dichloroethane	ND	ug/m3	0.14	0.011	EPA-TO-15-SIM	ND	A10	1
1,2-Dichloroethane	ND	ug/m3	0.28	0.013	EPA-TO-15-SIM	ND	A10	1
1,1-Dichloroethene	ND	ug/m3	0.14	0.022	EPA-TO-15-SIM	ND	A10	1
cis-1,2-Dichloroethene	ND	ug/m3	0.14	0.012	EPA-TO-15-SIM	ND	A10	1
trans-1,2-Dichloroethene	ND	ug/m3	0.14	0.021	EPA-TO-15-SIM	ND	A10	1
trans-1,3-Dichloropropene	ND	ug/m3	0.14	0.036	EPA-TO-15-SIM	ND	A10	1
1J16Bifluoroet) ane	**-823**	**ug/mA**	**17**	**-8--UD**	**Eh06TO61D6SIM**	ND	**4J01-**	1
Et) ylben, ene	**18J**	**ug/mA**	**-817**	**-8-7U**	**Eh06TO61D6SIM**	ND	**01-**	1
Methylene chloride	ND	ug/m3	0.55	0.021	EPA-TO-15-SIM	ND	A10	1
Tetrachloroethene	ND	ug/m3	0.28	0.030	EPA-TO-15-SIM	ND	A10	1
Toluene	**78P**	**ug/mA**	**-82P**	**-8-1U**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1,1-Trichloroethane	ND	ug/m3	0.28	0.015	EPA-TO-15-SIM	ND	A10	1
1,1,2-Trichloroethane	ND	ug/m3	0.28	0.015	EPA-TO-15-SIM	ND	A10,L07	1
Trichloroethene	ND	ug/m3	0.28	0.026	EPA-TO-15-SIM	ND	A10	1
Tric) lorofluoromet) ane	**185**	**ug/mA**	**-817**	**-8-15**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	0.28	0.022	EPA-TO-15-SIM	ND	A10	1
Vinyl chloride	ND	ug/m3	0.055	0.013	EPA-TO-15-SIM	ND	A10	1
p6& m6Xylenes	**P83**	**ug/mA**	**-817**	**-8-2A**	**Eh06TO61D6SIM**	ND	**01-**	1
o6Xylene	**281**	**ug/mA**	**-817**	**-8-12**	**Eh06TO61D6SIM**	ND	**01-**	1
Total Xylenes	**11**	**ug/mA**	**-82P**	**-8-A5**	**Eh06TO61D6SIM**	ND	**01-**	1
4-Bromofluorobenzene (Surrogate)	123	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			1

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ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-12	Client Sample FameL	IA-13, 5/17/2022 9:55:00AM, J. Schaaf

BCF	Met) od	hrep Bate	Run Bate/Time	0 nalyst	Instrument	Bilution	QC z atc) IB	
1	EPA-TO-15-SIM	05/18/22 11:39	05/19/22 00:38	BEP	MS-A2	2.760	B139958	EPA TO-15

DCN = Data Continuation Number

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ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL 2211641-13	Client Sample FameL IA-14, 5/17/2022 9:58:00AM, J. Schaaf

Constituent	Result	9nits	hQj	MBj	Met) od	Mz z ias	j ab Quals	BCF
0cetone	**1P**	**ug/mA**	**A8-**	**-8-22**	**Eh06TO61D6SIM**	ND	**01-**	1
z en, ene	**-852**	**ug/mA**	**-81D**	**-8--35**	**Eh06TO61D6SIM**	ND	**01-**	1
Benzyl chloride	ND	ug/m3	1.5	0.016	EPA-TO-15-SIM	ND	A10	1
Carbon tetrachloride	ND	ug/m3	0.60	0.019	EPA-TO-15-SIM	ND	A10	1
Chlorobenzene	ND	ug/m3	0.30	0.024	EPA-TO-15-SIM	ND	A10	1
Chloroform	ND	ug/m3	0.15	0.017	EPA-TO-15-SIM	ND	A10	1
1,2-Dibromoethane	ND	ug/m3	0.60	0.042	EPA-TO-15-SIM	ND	A10	1
1,2-Dichlorobenzene	ND	ug/m3	0.60	0.033	EPA-TO-15-SIM	ND	A10	1
1,3-Dichlorobenzene	ND	ug/m3	0.60	0.039	EPA-TO-15-SIM	ND	A10	1
1,4-Dichlorobenzene	ND	ug/m3	0.60	0.048	EPA-TO-15-SIM	ND	A10	1
Bic) lorodifluoromet) ane	**28P**	**ug/mA**	**-81D**	**-8-15**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1-Dichloroethane	ND	ug/m3	0.15	0.012	EPA-TO-15-SIM	ND	A10	1
1,2-Dichloroethane	ND	ug/m3	0.30	0.014	EPA-TO-15-SIM	ND	A10	1
1,1-Dichloroethene	ND	ug/m3	0.15	0.023	EPA-TO-15-SIM	ND	A10	1
cis-1,2-Dichloroethene	ND	ug/m3	0.15	0.013	EPA-TO-15-SIM	ND	A10	1
trans-1,2-Dichloroethene	ND	ug/m3	0.15	0.022	EPA-TO-15-SIM	ND	A10	1
trans-1,3-Dichloropropene	ND	ug/m3	0.15	0.039	EPA-TO-15-SIM	ND	A10	1
1J16Bifluoroet) ane	**788**	**ug/mA**	**1D**	**-8--P1**	**Eh06TO61D6SIM**	ND	**4J01-**	1
Et) ylben, ene	**18D**	**ug/mA**	**-81D**	**-8-D1**	**Eh06TO61D6SIM**	ND	**01-**	1
Methylene chloride	ND	ug/m3	0.60	0.023	EPA-TO-15-SIM	ND	A10	1
Tetrachloroethene	ND	ug/m3	0.30	0.033	EPA-TO-15-SIM	ND	A10	1
Toluene	**A8J**	**ug/mA**	**-8A-**	**-8-13**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1,1-Trichloroethane	ND	ug/m3	0.30	0.016	EPA-TO-15-SIM	ND	A10	1
1,1,2-Trichloroethane	ND	ug/m3	0.30	0.016	EPA-TO-15-SIM	ND	A10,L07	1
Trichloroethene	ND	ug/m3	0.30	0.028	EPA-TO-15-SIM	ND	A10	1
Tric) lorofluoromet) ane	**187**	**ug/mA**	**-81D**	**-8-1U**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	0.30	0.023	EPA-TO-15-SIM	ND	A10	1
Vinyl chloride	ND	ug/m3	0.060	0.014	EPA-TO-15-SIM	ND	A10	1
p6& m6Xylenes	**58J**	**ug/mA**	**-81D**	**-8-2D**	**Eh06TO61D6SIM**	ND	**01-**	1
o6Xylene	**188**	**ug/mA**	**-81D**	**-8-1A**	**Eh06TO61D6SIM**	ND	**01-**	1
Total Xylenes	**P8J**	**ug/mA**	**-8A-**	**-8-A3**	**Eh06TO61D6SIM**	ND	**01-**	1
4-Bromofluorobenzene (Surrogate)	134	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			1

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ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-13	Client Sample FameL	IA-14, 5/17/2022 9:58:00AM, J. Schaaf

BCF	Met) od	hrep Bate	Run Bate/Time	0 nalyst	Instrument	Bilution	QC z atc) IB	
1	EPA-TO-15-SIM	05/18/22 11:39	05/19/22 01:11	BEP	MS-A2	3	B139958	EPA TO-15

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ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL 2211641-14	Client Sample FameL IA-15, 5/17/2022 10:00:00AM, J. Schaaf

Constituent	Result	9nits	hQj	MBj	Met) od	Mz z ias	j ab Quals	BCF
0cetone	**2-**	**ug/mA**	**23**	**-822**	**Eh06TO61D6SIM**	ND	**4J01-**	1
z en, ene	**-853**	**ug/mA**	**-817**	**-8-3A**	**Eh06TO61D6SIM**	ND	**01-**	2
Benzyl chloride	ND	ug/m3	1.4	0.015	EPA-TO-15-SIM	ND	A10	2
Carbon tetrachloride	ND	ug/m3	0.58	0.018	EPA-TO-15-SIM	ND	A10	2
Chlorobenzene	ND	ug/m3	0.29	0.023	EPA-TO-15-SIM	ND	A10	2
Chloroform	ND	ug/m3	0.14	0.017	EPA-TO-15-SIM	ND	A10	2
1,2-Dibromoethane	ND	ug/m3	0.58	0.041	EPA-TO-15-SIM	ND	A10	2
1,2-Dichlorobenzene	ND	ug/m3	0.58	0.032	EPA-TO-15-SIM	ND	A10	2
1,3-Dichlorobenzene	ND	ug/m3	0.58	0.038	EPA-TO-15-SIM	ND	A10	2
1,4-Dichlorobenzene	ND	ug/m3	0.58	0.046	EPA-TO-15-SIM	ND	A10	2
Bic) lorodifluoromet) ane	**28P**	**ug/mA**	**-817**	**-8-1D**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1-Dichloroethane	ND	ug/m3	0.14	0.012	EPA-TO-15-SIM	ND	A10	2
1,2-Dichloroethane	ND	ug/m3	0.29	0.013	EPA-TO-15-SIM	ND	A10	2
1,1-Dichloroethene	ND	ug/m3	0.14	0.023	EPA-TO-15-SIM	ND	A10	2
cis-1,2-Dichloroethene	ND	ug/m3	0.14	0.013	EPA-TO-15-SIM	ND	A10	2
trans-1,2-Dichloroethene	ND	ug/m3	0.14	0.022	EPA-TO-15-SIM	ND	A10	2
trans-1,3-Dichloropropene	ND	ug/m3	0.14	0.038	EPA-TO-15-SIM	ND	A10	2
1J16Bifluoroet) ane	**22**	**ug/mA**	**17-**	**-8-UP**	**Eh06TO61D6SIM**	ND	**4J01-**	1
Et) ylben, ene	**-8J1**	**ug/mA**	**-817**	**-8-73**	**Eh06TO61D6SIM**	ND	**01-**	2
Methylene chloride	ND	ug/m3	0.58	0.022	EPA-TO-15-SIM	ND	A10	2
Tetrachloroethene	ND	ug/m3	0.29	0.032	EPA-TO-15-SIM	ND	A10	2
Toluene	**585**	**ug/mA**	**288**	**-81P**	**Eh06TO61D6SIM**	ND	**01-**	1
1J1J16Tric) loroet) ane	**-8DD**	**ug/mA**	**-823**	**-8-15**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1,2-Trichloroethane	ND	ug/m3	0.29	0.016	EPA-TO-15-SIM	ND	A10,L07	2
Trichloroethene	ND	ug/m3	0.29	0.028	EPA-TO-15-SIM	ND	A10	2
Tric) lorofluoromet) ane	**187**	**ug/mA**	**-817**	**-8-1U**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	0.29	0.023	EPA-TO-15-SIM	ND	A10	2
Vinyl chloride	ND	ug/m3	0.058	0.013	EPA-TO-15-SIM	ND	A10	2
p6& m6Xylenes	**282**	**ug/mA**	**-817**	**-8-27**	**Eh06TO61D6SIM**	ND	**01-**	2
o6Xylene	**-8P1**	**ug/mA**	**-817**	**-8-1A**	**Eh06TO61D6SIM**	ND	**01-**	2
Total Xylenes	**A8-**	**ug/mA**	**-823**	**-8-AP**	**Eh06TO61D6SIM**	ND	**01-**	2
4-Bromofluorobenzene (Surrogate)	92.7	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			1
4-Bromofluorobenzene (Surrogate)	116	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			2

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ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-14	Client Sample F ameL	IA-15, 5/17/2022 10:00:00AM, J. Schaaf

BCF	Met) od	hrep Bate	Run Bate/Time	0 nalyst	Instrument	Bilution	QC z atc) IB	
1	EPA-TO-15-SIM	05/18/22 11:39	05/19/22 11:55	BEP	MS-A2	29	B139958	EPA TO-15
2	EPA-TO-15-SIM	05/18/22 11:39	05/19/22 01:45	BEP	MS-A2	2.900	B139958	EPA TO-15

DCN = Data Continuation Number

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ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-15	Client Sample FameL	IA-16, 5/17/2022 10:22:00AM, J. Schaaf

Constituent	Result	9nits	hQj	MBj	Met) od	Mz z ias	j ab Quals	BCF
0cetone	**A2**	**ug/mA**	**23**	**-822**	**Eh06TO61D6SIM**	ND	**01-**	1
z en, ene	**-8DU**	**ug/mA**	**-817**	**-8-32**	**Eh06TO61D6SIM**	ND	**01-**	2
Benzyl chloride	ND	ug/m3	1.4	0.015	EPA-TO-15-SIM	ND	A10	2
Carbon tetrachloride	ND	ug/m3	0.58	0.018	EPA-TO-15-SIM	ND	A10	2
Chlorobenzene	ND	ug/m3	0.29	0.023	EPA-TO-15-SIM	ND	A10	2
Chloroform	ND	ug/m3	0.14	0.017	EPA-TO-15-SIM	ND	A10	2
1,2-Dibromoethane	ND	ug/m3	0.58	0.040	EPA-TO-15-SIM	ND	A10	2
1,2-Dichlorobenzene	ND	ug/m3	0.58	0.032	EPA-TO-15-SIM	ND	A10	2
1,3-Dichlorobenzene	ND	ug/m3	0.58	0.037	EPA-TO-15-SIM	ND	A10	2
1,4-Dichlorobenzene	ND	ug/m3	0.58	0.046	EPA-TO-15-SIM	ND	A10	2
Bic) lorodifluoromet) ane	**28J**	**ug/mA**	**-817**	**-8-1D**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1-Dichloroethane	ND	ug/m3	0.14	0.012	EPA-TO-15-SIM	ND	A10	2
1,2-Dichloroethane	ND	ug/m3	0.29	0.013	EPA-TO-15-SIM	ND	A10	2
1,1-Dichloroethene	ND	ug/m3	0.14	0.022	EPA-TO-15-SIM	ND	A10	2
cis-1,2-Dichloroethene	ND	ug/m3	0.14	0.013	EPA-TO-15-SIM	ND	A10	2
trans-1,2-Dichloroethene	ND	ug/m3	0.14	0.022	EPA-TO-15-SIM	ND	A10	2
trans-1,3-Dichloropropene	ND	ug/m3	0.14	0.037	EPA-TO-15-SIM	ND	A10	2
1J16Bifluoroet) ane	**2P**	**ug/mA**	**17-**	**-8-UP**	**Eh06TO61D6SIM**	ND	**4J01-**	1
Et) ylben, ene	**-875**	**ug/mA**	**-817**	**-8-73**	**Eh06TO61D6SIM**	ND	**01-**	2
Methylene chloride	ND	ug/m3	0.58	0.022	EPA-TO-15-SIM	ND	A10	2
Tetrachloroethene	ND	ug/m3	0.29	0.032	EPA-TO-15-SIM	ND	A10	2
Toluene	**U8D**	**ug/mA**	**288**	**-81P**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1,1-Trichloroethane	ND	ug/m3	0.29	0.016	EPA-TO-15-SIM	ND	A10	2
1,1,2-Trichloroethane	ND	ug/m3	0.29	0.016	EPA-TO-15-SIM	ND	A10,L07	2
Trichloroethene	ND	ug/m3	0.29	0.027	EPA-TO-15-SIM	ND	A10	2
Tric) lorofluoromet) ane	**187**	**ug/mA**	**-817**	**-8-15**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	0.29	0.022	EPA-TO-15-SIM	ND	A10	2
Vinyl chloride	ND	ug/m3	0.058	0.013	EPA-TO-15-SIM	ND	A10	2
p6& m6Xylenes	**187**	**ug/mA**	**-817**	**-8-27**	**Eh06TO61D6SIM**	ND	**01-**	2
o6Xylene	**-85D**	**ug/mA**	**-817**	**-8-1A**	**Eh06TO61D6SIM**	ND	**01-**	2
Total Xylenes	**28-**	**ug/mA**	**-823**	**-8-AU**	**Eh06TO61D6SIM**	ND	**01-**	2
4-Bromofluorobenzene (Surrogate)	84.1	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			1
4-Bromofluorobenzene (Surrogate)	109	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			2

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ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-15	Client Sample F ameL	IA-16, 5/17/2022 10:22:00AM, J. Schaaf

BCF	Met) od	hrep Bate	Run Bate/Time	0 nalyst	Instrument	Bilution	QC z atc) IB	
1	EPA-TO-15-SIM	05/18/22 11:39	05/19/22 12:27	BEP	MS-A2	28.800	B139958	EPA TO-15
2	EPA-TO-15-SIM	05/18/22 11:39	05/19/22 02:18	BEP	MS-A2	2.880	B139958	EPA TO-15

DCN = Data Continuation Number

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Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL 2211641-16	Client Sample FameL IA-17, 5/17/2022 10:25:00AM, J. Schaaf

Constituent	Result	9nits	hQj	MBj	Met) od	Mz z ias	j ab Quals	BCF
0cetone	**UU**	**ug/mA**	**A2**	**-827**	**Eh06TO61D6SIM**	ND	**01-**	1
z en, ene	**-857**	**ug/mA**	**-815**	**-81-**	**Eh06TO61D6SIM**	ND	**01-**	2
Benzyl chloride	ND	ug/m3	1.6	0.017	EPA-TO-15-SIM	ND	A10	2
Carbon tetrachloride	ND	ug/m3	0.64	0.020	EPA-TO-15-SIM	ND	A10	2
Chlorobenzene	ND	ug/m3	0.32	0.025	EPA-TO-15-SIM	ND	A10	2
Chloroform	ND	ug/m3	0.16	0.019	EPA-TO-15-SIM	ND	A10	2
1,2-Dibromoethane	ND	ug/m3	0.64	0.045	EPA-TO-15-SIM	ND	A10	2
1,2-Dichlorobenzene	ND	ug/m3	0.64	0.035	EPA-TO-15-SIM	ND	A10	2
1,3-Dichlorobenzene	ND	ug/m3	0.64	0.042	EPA-TO-15-SIM	ND	A10	2
1,4-Dichlorobenzene	ND	ug/m3	0.64	0.052	EPA-TO-15-SIM	ND	A10	2
Bic) lorodifluoromet) ane	**285**	**ug/mA**	**-815**	**-81U**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1-Dichloroethane	ND	ug/m3	0.16	0.013	EPA-TO-15-SIM	ND	A10	2
1,2-Dichloroethane	ND	ug/m3	0.32	0.015	EPA-TO-15-SIM	ND	A10	2
1,1-Dichloroethene	ND	ug/m3	0.16	0.025	EPA-TO-15-SIM	ND	A10	2
cis-1,2-Dichloroethene	ND	ug/m3	0.16	0.014	EPA-TO-15-SIM	ND	A10	2
trans-1,2-Dichloroethene	ND	ug/m3	0.16	0.024	EPA-TO-15-SIM	ND	A10	2
trans-1,3-Dichloropropene	ND	ug/m3	0.16	0.042	EPA-TO-15-SIM	ND	A10	2
1JI6Bifluoroet) ane	**1P-**	**ug/mA**	**15-**	**-8PU**	**Eh06TO61D6SIM**	ND	**01-**	1
Et) ylben, ene	**-85A**	**ug/mA**	**-815**	**-8DD**	**Eh06TO61D6SIM**	ND	**01-**	2
Methylene chloride	ND	ug/m3	0.64	0.025	EPA-TO-15-SIM	ND	A10	2
Tetrachloroethene	ND	ug/m3	0.32	0.035	EPA-TO-15-SIM	ND	A10	2
Toluene	**AA**	**ug/mA**	**A82**	**-82-**	**Eh06TO61D6SIM**	ND	**01-**	1
1JIJI6Tric) loroet) ane	**-852**	**ug/mA**	**-8A2**	**-81P**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1,2-Trichloroethane	ND	ug/m3	0.32	0.018	EPA-TO-15-SIM	ND	A10,L07	2
Trichloroethene	ND	ug/m3	0.32	0.031	EPA-TO-15-SIM	ND	A10	2
Tric) lorofluoromet) ane	**18A**	**ug/mA**	**-815**	**-81P**	**Eh06TO61D6SIM**	ND	**01-**	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	0.32	0.025	EPA-TO-15-SIM	ND	A10	2
Vinyl chloride	ND	ug/m3	0.064	0.015	EPA-TO-15-SIM	ND	A10	2
p6& m6Xylenes	**287**	**ug/mA**	**-815**	**-825**	**Eh06TO61D6SIM**	ND	**01-**	2
o6Xylene	**-8P5**	**ug/mA**	**-815**	**-817**	**Eh06TO61D6SIM**	ND	**01-**	2
Total Xylenes	**A82**	**ug/mA**	**-8A2**	**-872**	**Eh06TO61D6SIM**	ND	**01-**	2
4-Bromofluorobenzene (Surrogate)	96.6	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			1
4-Bromofluorobenzene (Surrogate)	119	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			2

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ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-16	Client Sample F ameL	IA-17, 5/17/2022 10:25:00AM, J. Schaaf

BCF	Met) od	hrep Bate	Run Bate/Time	0 nalyst	Instrument	Bilution	QC z atc) IB	
1	EPA-TO-15-SIM	05/18/22 11:39	05/19/22 16:58	BEP	MS-A2	32.200	B139958	EPA TO-15
2	EPA-TO-15-SIM	05/18/22 11:39	05/19/22 13:01	BEP	MS-A2	3.220	B139958	EPA TO-15

DCN = Data Continuation Number

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Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL 2211641-17	Client Sample FameL AA-1, 5/17/2022 10:36:00AM, J. Schaaf

Constituent	Result	9nits	hQj	MBj	Met) od	Mz z ias	j ab Quals	BCF
0cetone	**78P**	**ug/mA**	**185**	**-8-12**	**Eh06TO61D6SIM**	ND	**01-**	1
z en, ene	**-8AU**	**ug/mA**	**-8-P1**	**-8--D2**	**Eh06TO61D6SIM**	ND	**01-**	1
Benzyl chloride	ND	ug/m3	0.81	0.0084	EPA-TO-15-SIM	ND	A10	1
Carbon tetrachloride	ND	ug/m3	0.32	0.010	EPA-TO-15-SIM	ND	A10	1
Chlorobenzene	ND	ug/m3	0.16	0.013	EPA-TO-15-SIM	ND	A10	1
Chloroform	ND	ug/m3	0.081	0.0094	EPA-TO-15-SIM	ND	A10	1
1,2-Dibromoethane	ND	ug/m3	0.32	0.023	EPA-TO-15-SIM	ND	A10	1
1,2-Dichlorobenzene	ND	ug/m3	0.32	0.018	EPA-TO-15-SIM	ND	A10	1
1,3-Dichlorobenzene	ND	ug/m3	0.32	0.021	EPA-TO-15-SIM	ND	A10	1
1,4-Dichlorobenzene	ND	ug/m3	0.32	0.026	EPA-TO-15-SIM	ND	A10	1
Bic) lorodifluoromet) ane	**A8I**	**ug/mA**	**-8-P1**	**-8--P7**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1-Dichloroethane	ND	ug/m3	0.081	0.0066	EPA-TO-15-SIM	ND	A10	1
1,2-Dichloroethane	ND	ug/m3	0.16	0.0075	EPA-TO-15-SIM	ND	A10	1
1,1-Dichloroethene	ND	ug/m3	0.081	0.013	EPA-TO-15-SIM	ND	A10	1
cis-1,2-Dichloroethene	ND	ug/m3	0.081	0.0071	EPA-TO-15-SIM	ND	A10	1
trans-1,2-Dichloroethene	ND	ug/m3	0.081	0.012	EPA-TO-15-SIM	ND	A10	1
trans-1,3-Dichloropropene	ND	ug/m3	0.081	0.021	EPA-TO-15-SIM	ND	A10	1
1,1-Difluoroethane	ND	ug/m3	8.1	0.0044	EPA-TO-15-SIM	ND	A10	1
Et) ylben, ene	**-8I3**	**ug/mA**	**-8-P1**	**-8-2P**	**Eh06TO61D6SIM**	ND	**01-**	1
Methylene chloride	ND	ug/m3	0.32	0.012	EPA-TO-15-SIM	ND	A10	1
Tetrachloroethene	ND	ug/m3	0.16	0.018	EPA-TO-15-SIM	ND	A10	1
Toluene	**18U**	**ug/mA**	**-815**	**-8-1-**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1,1-Trichloroethane	ND	ug/m3	0.16	0.0089	EPA-TO-15-SIM	ND	A10	1
1,1,2-Trichloroethane	ND	ug/m3	0.16	0.0089	EPA-TO-15-SIM	ND	A10,L07	1
Trichloroethene	ND	ug/m3	0.16	0.015	EPA-TO-15-SIM	ND	A10	1
Tric) lorofluoromet) ane	**18D**	**ug/mA**	**-8-P1**	**-8--32**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	0.16	0.013	EPA-TO-15-SIM	ND	A10	1
Vinyl chloride	ND	ug/m3	0.032	0.0075	EPA-TO-15-SIM	ND	A10	1
p6& m6Xylenes	**-8D5**	**ug/mA**	**-8-P1**	**-8-1A**	**Eh06TO61D6SIM**	ND	**01-**	1
o6Xylene	**-82A**	**ug/mA**	**-8-P1**	**-8--U1**	**Eh06TO61D6SIM**	ND	**01-**	1
Total Xylenes	**-8U3**	**ug/mA**	**-815**	**-8-21**	**Eh06TO61D6SIM**	ND	**01-**	1
4-Bromofluorobenzene (Surrogate)	95.5	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			1

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ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo	**ReportedL** 05/23/2022 13:46
79 E. Daly Dr #107	Project: 22-491 SFAC
Camarillo, CA 93010	Project Number: [none]
	Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-17	**Client Sample FameL**	AA-1, 5/17/2022 10:36:00AM, J. Schaaf

BCF	Met) od	hrep Bate	Run Bate/Time	0 nalyst	Instrument	Bilution	QC z atc) IB	
1	EPA-TO-15-SIM	05/18/22 11:39	05/19/22 13:40	BEP	MS-A2	1.620	B139958	EPA TO-15

DCN = Data Continuation Number

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ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL 2211641-18	Client Sample FameL AA-3, 5/17/2022 10:39:00AM, J. Schaaf

Constituent	Result	9nits	hQj	MBj	Met) od	Mz z ias	j ab Quals	BCF
0cetone	**787**	**ug/mA**	**18D**	**-8-11**	**Eh06TO61D6SIM**	ND	**01-**	1
z en, ene	**-8AA**	**ug/mA**	**-8-U5**	**-8--73**	**Eh06TO61D6SIM**	ND	**01-**	1
Benzyl chloride	ND	ug/m3	0.76	0.0080	EPA-TO-15-SIM	ND	A10	1
Carbon tetrachloride	ND	ug/m3	0.31	0.0096	EPA-TO-15-SIM	ND	A10	1
Chlorobenzene	ND	ug/m3	0.15	0.012	EPA-TO-15-SIM	ND	A10	1
Chloroform	ND	ug/m3	0.076	0.0089	EPA-TO-15-SIM	ND	A10	1
1,2-Dibromoethane	ND	ug/m3	0.31	0.021	EPA-TO-15-SIM	ND	A10	1
1,2-Dichlorobenzene	ND	ug/m3	0.31	0.017	EPA-TO-15-SIM	ND	A10	1
1,3-Dichlorobenzene	ND	ug/m3	0.31	0.020	EPA-TO-15-SIM	ND	A10	1
1,4-Dichlorobenzene	ND	ug/m3	0.31	0.024	EPA-TO-15-SIM	ND	A10	1
Bic) lorodifluoromet) ane	**A8I**	**ug/mA**	**-8-U5**	**-8--P-**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1-Dichloroethane	ND	ug/m3	0.076	0.0063	EPA-TO-15-SIM	ND	A10	1
1,2-Dichloroethane	ND	ug/m3	0.15	0.0070	EPA-TO-15-SIM	ND	A10	1
1,1-Dichloroethene	ND	ug/m3	0.076	0.012	EPA-TO-15-SIM	ND	A10	1
cis-1,2-Dichloroethene	ND	ug/m3	0.076	0.0067	EPA-TO-15-SIM	ND	A10	1
trans-1,2-Dichloroethene	ND	ug/m3	0.076	0.011	EPA-TO-15-SIM	ND	A10	1
trans-1,3-Dichloropropene	ND	ug/m3	0.076	0.020	EPA-TO-15-SIM	ND	A10	1
1,1-Difluoroethane	ND	ug/m3	7.6	0.0041	EPA-TO-15-SIM	ND	A10	1
Et) ylben, ene	**-821**	**ug/mA**	**-8-U5**	**-8-25**	**Eh06TO61D6SIM**	ND	**01-**	1
Methylene chloride	ND	ug/m3	0.31	0.012	EPA-TO-15-SIM	ND	A10	1
Tetrachloroethene	ND	ug/m3	0.15	0.017	EPA-TO-15-SIM	ND	A10	1
Toluene	**18U**	**ug/mA**	**-8ID**	**-8--3D**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1,1-Trichloroethane	ND	ug/m3	0.15	0.0084	EPA-TO-15-SIM	ND	A10	1
1,1,2-Trichloroethane	ND	ug/m3	0.15	0.0084	EPA-TO-15-SIM	ND	A10,L07,V11	1
Trichloroethene	ND	ug/m3	0.15	0.015	EPA-TO-15-SIM	ND	A10	1
Tric) lorofluoromet) ane	**18D**	**ug/mA**	**-8-U5**	**-8--PU**	**Eh06TO61D6SIM**	ND	**01-**	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	0.15	0.012	EPA-TO-15-SIM	ND	A10	1
Vinyl chloride	ND	ug/m3	0.031	0.0070	EPA-TO-15-SIM	ND	A10	1
p6& m6Xylenes	**-85U**	**ug/mA**	**-8-U5**	**-8-1A**	**Eh06TO61D6SIM**	ND	**01-**	1
o6Xylene	**-825**	**ug/mA**	**-8-U5**	**-8--5U**	**Eh06TO61D6SIM**	ND	**01-**	1
Total Xylenes	**-832**	**ug/mA**	**-8ID**	**-8-2-**	**Eh06TO61D6SIM**	ND	**01-**	1
4-Bromofluorobenzene (Surrogate)	104	%	50 - 150 (LCL - UCL)		EPA-TO-15-SIM			1

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ENVIRONMENTAL SCIENCES

Geoenviro Services, Inc - Camarillo	**ReportedL** 05/23/2022 13:46
79 E. Daly Dr #107	Project: 22-491 SFAC
Camarillo, CA 93010	Project Number: [none]
	Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

z Cj Sample IBL	2211641-18	**Client Sample F ameL**	AA-3, 5/17/2022 10:39:00AM, J. Schaaf

BCF	Met) od	hrep Bate	Run Bate/Time	0 nalyst	Instrument	Bilution	QC z atc) IB	
1	EPA-TO-15-SIM	05/18/22 11:39	05/19/22 15:56	BEP	MS-A2	1.530	B139958	EPA TO-15

DCN = Data Continuation Number

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

Quality Control Report 6Met) od z lank 0 nalysis

Constituent	QC Sample IB	Mz Result	9 nits	hQj	MBj	j ab Quals
QC z atc) IBL z 1A33DP						
Acetone	B139958-BLK1	ND	ug/m3	1.0	0.0075	
Benzene	B139958-BLK1	ND	ug/m3	0.050	0.0032	
Benzyl chloride	B139958-BLK1	ND	ug/m3	0.50	0.0052	
Carbon tetrachloride	B139958-BLK1	ND	ug/m3	0.20	0.0063	
Chlorobenzene	B139958-BLK1	ND	ug/m3	0.10	0.0079	
Chloroform	B139958-BLK1	ND	ug/m3	0.050	0.0058	
1,2-Dibromoethane	B139958-BLK1	ND	ug/m3	0.20	0.014	
1,2-Dichlorobenzene	B139958-BLK1	ND	ug/m3	0.20	0.011	
1,3-Dichlorobenzene	B139958-BLK1	ND	ug/m3	0.20	0.013	
1,4-Dichlorobenzene	B139958-BLK1	ND	ug/m3	0.20	0.016	
Dichlorodifluoromethane	B139958-BLK1	ND	ug/m3	0.050	0.0052	
1,1-Dichloroethane	B139958-BLK1	ND	ug/m3	0.050	0.0041	
1,2-Dichloroethane	B139958-BLK1	ND	ug/m3	0.10	0.0046	
1,1-Dichloroethene	B139958-BLK1	ND	ug/m3	0.050	0.0078	
cis-1,2-Dichloroethene	B139958-BLK1	ND	ug/m3	0.050	0.0044	
trans-1,2-Dichloroethene	B139958-BLK1	ND	ug/m3	0.050	0.0075	
trans-1,3-Dichloropropene	B139958-BLK1	ND	ug/m3	0.050	0.013	
1,1-Difluoroethane	B139958-BLK1	ND	ug/m3	5.0	0.0027	
Ethylbenzene	B139958-BLK1	ND	ug/m3	0.050	0.017	
Methylene chloride	B139958-BLK1	ND	ug/m3	0.20	0.0077	
Tetrachloroethene	B139958-BLK1	ND	ug/m3	0.10	0.011	
Toluene	B139958-BLK1	ND	ug/m3	0.10	0.0062	
1,1,1-Trichloroethane	B139958-BLK1	ND	ug/m3	0.10	0.0055	
1,1,2-Trichloroethane	B139958-BLK1	ND	ug/m3	0.10	0.0055	
Trichloroethene	B139958-BLK1	ND	ug/m3	0.10	0.0095	
Trichlorofluoromethane	B139958-BLK1	ND	ug/m3	0.050	0.0057	
1,1,2-Trichloro-1,2,2-trifluoroethane	B139958-BLK1	ND	ug/m3	0.10	0.0078	
Vinyl chloride	B139958-BLK1	ND	ug/m3	0.020	0.0046	
p- & m-Xylenes	B139958-BLK1	ND	ug/m3	0.050	0.0082	
o-Xylene	B139958-BLK1	ND	ug/m3	0.050	0.0044	
Total Xylenes	B139958-BLK1	ND	ug/m3	0.10	0.013	
76z romofluoroben, ene (SurrogateN	**z 1A33DP6z j K1**	**P187**	%	**D- 61D- (j Cj 69 Cj N**		

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Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61Dat SThN

Quality Control Report 6j aboratory Control Sample

Constituent	QC Sample IB	Type	Result	Spike j exel	9nits	hercent Recoxery	RhB	Control j imits hercent Recoxery	RhB	j ab Quals
QC z atc) IBL z 1A33DP										
Benzene	B139958-BS1	LCS	0.26558	0.31948	ug/m3	83.1		70 - 130		
	B139958-BSD1	LCSD	0.27082	0.31948	ug/m3	84.8	2.0	70 - 130	30	
Benzyl chloride	B139958-BS1	LCS	0.56126	0.51772	ug/m3	108		70 - 130		
	B139958-BSD1	LCSD	0.48888	0.51772	ug/m3	94.4	13.8	70 - 130	30	J
Carbon tetrachloride	B139958-BS1	LCS	0.62964	0.62913	ug/m3	100		70 - 130		
	B139958-BSD1	LCSD	0.63706	0.62913	ug/m3	101	1.2	70 - 130	30	
Chlorobenzene	B139958-BS1	LCS	0.58129	0.46036	ug/m3	126		70 - 130		
	B139958-BSD1	LCSD	0.57959	0.46036	ug/m3	126	0.3	70 - 130	30	
Chloroform	B139958-BS1	LCS	0.50544	0.48825	ug/m3	104		70 - 130		
	B139958-BSD1	LCSD	0.49880	0.48825	ug/m3	102	1.3	70 - 130	30	
1,2-Dibromoethane	B139958-BS1	LCS	0.98033	0.76835	ug/m3	128		70 - 130		
	B139958-BSD1	LCSD	0.97150	0.76835	ug/m3	126	0.9	70 - 130	30	
1,2-Dichlorobenzene	B139958-BS1	LCS	0.60833	0.60124	ug/m3	101		70 - 130		
	B139958-BSD1	LCSD	0.54941	0.60124	ug/m3	91.4	10.2	70 - 130	30	
1,3-Dichlorobenzene	B139958-BS1	LCS	0.64230	0.60124	ug/m3	107		70 - 130		
	B139958-BSD1	LCSD	0.55043	0.60124	ug/m3	91.6	15.4	70 - 130	30	
1,4-Dichlorobenzene	B139958-BS1	LCS	0.60749	0.60124	ug/m3	101		70 - 130		
	B139958-BSD1	LCSD	0.51736	0.60124	ug/m3	86.1	16.0	70 - 130	30	
1,1-Dichloroethane	B139958-BS1	LCS	0.41510	0.40474	ug/m3	103		70 - 130		
	B139958-BSD1	LCSD	0.41878	0.40474	ug/m3	103	0.9	70 - 130	30	
1,2-Dichloroethane	B139958-BS1	LCS	0.40349	0.40474	ug/m3	99.7		70 - 130		
	B139958-BSD1	LCSD	0.40883	0.40474	ug/m3	101	1.3	70 - 130	30	
1,1-Dichloroethene	B139958-BS1	LCS	0.33892	0.39649	ug/m3	85.5		70 - 130		
	B139958-BSD1	LCSD	0.33698	0.39649	ug/m3	85.0	0.6	70 - 130	30	
cis-1,2-Dichloroethene	B139958-BS1	LCS	0.32053	0.39649	ug/m3	80.8		70 - 130		
	B139958-BSD1	LCSD	0.32747	0.39649	ug/m3	82.6	2.1	70 - 130	30	
Methylene chloride	B139958-BS1	LCS	0.30757	0.34737	ug/m3	88.5		70 - 130		
	B139958-BSD1	LCSD	0.30274	0.34737	ug/m3	87.2	1.6	70 - 130	30	
Tetrachloroethene	B139958-BS1	LCS	0.79417	0.67825	ug/m3	117		70 - 130		
	B139958-BSD1	LCSD	0.82048	0.67825	ug/m3	121	3.3	70 - 130	30	
Toluene	B139958-BS1	LCS	0.43654	0.37684	ug/m3	116		70 - 130		
	B139958-BSD1	LCSD	0.45165	0.37684	ug/m3	120	3.4	70 - 130	30	
1,1,1-Trichloroethane	B139958-BS1	LCS	0.54486	0.54562	ug/m3	99.9		70 - 130		
	B139958-BSD1	LCSD	0.55184	0.54562	ug/m3	101	1.3	70 - 130	30	
1J1J26Tric) loroet) ane	**z 1A33DP6z S1**	LCS	**-8U133D**	**-8D7D52**	**ug/mA**	**1A2**		**U- 61A-**		**j - U**
	z 1A33DP6z SB1	LCSD	**-8U72AU**	**-8D7D52**	**ug/mA**	**1A5**	**A8l**	**U- 61A-**	**A-**	**j - U**

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

Volatile Organic Compounds by GC/MS (Eh0 Met) od TO61D at SThN

Quality Control Report 6j aboratory Control Sample

Constituent	QC Sample IB	Type	Result	Spike j exel	9nits	hercent Recoxery	RhB	Control j imits hercent Recoxery	RhB	j ab Quals
QC z atc) IBL z 1A33DP										
Trichloroethene	B139958-BS1	LCS	0.60449	0.53737	ug/m3	112		70 - 130		
	B139958-BSD1	LCSD	0.61889	0.53737	ug/m3	115	2.4	70 - 130	30	
Vinyl chloride	B139958-BS1	LCS	0.30850	0.25562	ug/m3	121		70 - 130		
	B139958-BSD1	LCSD	0.30710	0.25562	ug/m3	120	0.5	70 - 130	30	
p- & m-Xylenes	B139958-BS1	LCS	0.88071	0.86843	ug/m3	101		70 - 130		
	B139958-BSD1	LCSD	0.78011	0.86843	ug/m3	89.8	12.1	70 - 130	30	
o-Xylene	B139958-BS1	LCS	0.42053	0.43421	ug/m3	96.8		70 - 130		
	B139958-BSD1	LCSD	0.36826	0.43421	ug/m3	84.8	13.3	70 - 130	30	
Total Xylenes	B139958-BS1	LCS	1.3012	1.3026	ug/m3	99.9		70 - 130		
	B139958-BSD1	LCSD	1.1484	1.3026	ug/m3	88.2	12.5	70 - 130	30	
4-Bromofluorobenzene (Surrogate)	B139958-BS1	LCS	3.46	3.58	ug/m3	96.8		50 - 150		
	B139958-BSD1	LCSD	3.03	3.58	ug/m3	84.7	13.4	50 - 150		

Geoenviro Services, Inc - Camarillo
79 E. Daly Dr #107
Camarillo, CA 93010

ReportedL 05/23/2022 13:46
Project: 22-491 SFAC
Project Number: [none]
Project Manager: Joe Schaaf

F otes 0 nd Befinitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
A10	Detection and quantitation limits were raised due to matrix interference.
L07	The Laboratory Control Sample (LCS) recovery is not within laboratory established control limits.
V11	The Continuing Calibration Verification (CCV) recovery was not within established control limits.

EXHIBIT E-1

2355 Main Street, Suite 210
Irvine, CA 92614
(650) 292-9100
ekiconsult.com

19 July 2022

To: **Art Colony Property LLC**
C/O Fifteen Group
Attn: Joe Manasseri

From: Michelle K. King, PhD (EKI)
Chris Ingalls (EKI)
Kian Lew (EKI)

Subject: Summary of Indoor and Outdoor Air Analytical Data
2345-2421 S. Santa Fe Avenue, Los Angeles, California
(EKI C20112.00)

EKI Environment & Water, Inc. (EKI) is pleased to submit this Summary of Indoor and Outdoor Air Analytical Data, which summarizes the July 2022 investigation of indoor air quality for the property located at 2345-2421 S. Santa Fe Avenue in Los Angeles, California (Site). The Site, owned by Art Colony Property LLC (Property Owner), is currently occupied by four residential buildings (2349, 2401, 2415, and 2421 South Santa Fe Avenue) and one unoccupied commercial building (2345 S. Santa Fe Avenue) with a paved surface parking area in the southwest corner of the Site. Three of the residential buildings (2349, 2415, and 2421 S. Santa Fe Avenue) are single story and building 2401 S. Santa Fe Avenue is two stories with a basement. These buildings are referred to by their building address number throughout this summary document. The Site, referred to as the Santa Fe Art Colony, is identified as APN 5167-008-0012.

This summary was prepared for the sole use and reliance of Property Owner. Unless specifically authorized in writing in an agreement acceptable to EKI, reliance on this report by any other entity is not permitted or authorized. Reliance on the information contained in this summary document by any third party without authorization by EKI does not make the third party a beneficiary to EKI's agreement with Property Owner. Any such unauthorized reliance on or use of this summary document, including any of its information, conclusions, or recommendations, will be at third party's risk.

INDOOR AIR SAMPLING PROCEDURES

EKI performed one round of 24-hour indoor air testing at the Site starting on 6 July 2022 and ending on 7 July 2022. The indoor air sampling was performed in general accordance with the Department of Toxic Substances Control (DTSC) Vapor Intrusion Guidance (DTSC, 2011). The sampling focused on vacant units to minimize disruption to occupants. In addition, the sampling was biased toward the basement units because the highest volatile organic compound (VOC) concentrations were detected in the basement units in a previous indoor air sampling event (AEI, 2020). Additional details regarding the indoor air sample collection are described below.

- For the July 2022 air sampling event, eight air samples and one duplicate sample were collected from the interior of three of the four residential buildings (2401, 2415, and 2421 buildings). Two outdoor air samples were collected from the roofs of buildings 2345 and 2401 to assess ambient

concentrations generally upwind and downwind of the Site. The prevailing wind direction is northeast.

- A site reconnaissance walk was conducted on 5 July 2022 with a MiniRAE 3000 photoionization detector (PID) set to parts per billion (ppb) to determine the most appropriate areas to collect indoor and outdoor samples. During the site reconnaissance walk, EKI personnel recorded notes and readings in areas that could be preferential pathways, conditions of units, the presence of chemical products in the units, and wind direction.
- Interior sample locations were selected based on the 5 July 2022 site reconnaissance walk and vacancy of residential units. Samples collected in building 2401 were setup in the basement in units B00, B01, and B07. Samples collected from building 2415 were collected in unit 10. Samples collected from building 2421 were collected in unit 25. Indoor air samples collected from buildings 2415 and 2421 previously had detected VOC concentrations, but at levels that were lower than the basement unit VOC concentrations.
- In building 2041, each residential unit sampled had one air sample collected in the main room (designated with an "-1" at the end of the sample ID) and one air sample collected in the bathroom to represent occupied space with penetrations that could potentially serve as pathways for vapor intrusion (designated with an "-2" at the end of the sample ID).
- For the July 2022 sampling event, the vacant residential units were ventilated with fans and open windows for 72 hours which were then shutoff and closed for at least 24 hours prior to testing. None of the units had centralized heating ventilation and cooling (HVAC) systems. An existing soil vapor extraction (SVE) system, that also appears to be designed to serve as a sub slab depressurization system, was noted on the Site and appeared to be operating during the sampling event.
- The air samples were collected in pre-evacuated 6-liter SUMMA® passivated, stainless steel sample canisters supplied by the analytical laboratory, K-Prime, Inc. analytical laboratory in Santa Rosa, California (K-Prime). Each sample canister was fitted with a flow controller to collect the sample over an approximate 24-hour period, and a vacuum gauge to monitor the vacuum in the canister during sampling. Each canister, flow controller, and gauge was individually certified to be free of the selected VOC analytes at the specified analytical reporting limits. The sample canisters for the air samples were setup with the sampling inlet at a breathing zone height of approximately three to five feet above either the building floor or roof.
- Air samples were analyzed for the select VOCs tetrachloroethene (PCE) and trichloroethene (TCE). PCE and TCE were the only VOCs detected in sub slab soil vapor samples collected at the Site (AEI, 2020). All air samples were analyzed by K-Prime using United States Environmental Protection Agency (U.S. EPA) Method TO-15 using selected ion monitoring (SIM).
- During the sample collection period, EKI periodically recorded the vacuum in each sample canister, as indicated on the vacuum gauge provided with the canister, to verify acceptable sample collection rates. EKI personnel completed chain-of-custody (COC) documentation which was included with the air samples for return delivery to K-Prime (see COC with the air sample laboratory analytical reports in Attachment A).
- Following completion of sample collection, EKI returned the sample containers and equipment to the laboratory using chain-of-custody procedures. All sampling materials and equipment were removed from the Site by EKI immediately following the sampling activities.

INDOOR AIR SAMPLING RESULTS

A summary of analytical sample results for PCE and TCE measured during the July 2022 indoor air event are described below. Analytical results for PCE and TCE concentrations measured in the July 2022 air samples are provided on Table 1 and are compared with the residential screening levels referenced in the table. Laboratory data sheets for the July 2022 indoor air events are provided in Attachment A.

July 2022 Indoor Air Sample Results

- PCE was detected in 10 of the 11 samples, including the duplicate and outdoor samples. However, PCE was only detected above the residential indoor air screening level of 0.46 ug/m^3 in one indoor sample, IA-B07-1 (0.789 ug/m^3); the PCE concentration in the duplicate sample (IA-B07-1-DUP) collected directly next to IA-B07-1 was below the residential indoor screening level at a concentration of 0.272 ug/m^3. PCE was detected in both outdoor air samples with the upwind air sample OA-1 above the residential indoor air screening level of 0.46 ug/m^3 at a concentration of 19.6 ug/m^3. PCE concentrations in sample OA-1 may be attributed to newer roofing material noted on building 2345.
- TCE was detected in 1 of the 11 air samples which was outdoor air sample OA-1. The TCE concentration in OA-1 (0.0572 ug/m^3) was below the residential indoor air screening level of 0.48 ug/m^3.

Information from K-Prime regarding the July 2022 indoor air samples, including reports of residual vacuum and individual certification reports for the sample canisters, is provided in Attachment A. Samples were all analyzed within the 30-day hold time for SUMMA canisters. PCE and TCE were not detected in the laboratory blank at the laboratory reporting limit. Analytes and surrogates in the laboratory spike and spike duplicate samples were all recovered within their acceptable limits.

For the duplicate sample collected on 7 July 2022 from location IA-B07-1, relative percent differences (RPDs) could only be calculated for samples with detected concentrations. The RPDs for PCE was 97.46%. Overall, the RPD indicates poor agreement between the primary and duplicate samples.

SUMMARY

- In general, the PCE concentrations in indoor air samples collected in the July 2022 air sampling event were below the residential indoor air screening level of 0.46 ug/m^3 with the exception of location IA-B07-1. Although IA-B07-1 was above the residential screening level, the PCE concentration in the duplicate sample collected directly next to it was below the residential screening level. This duplicate sample PCE concentration of 0.272 ug/m^3 was similar to the second sample (IA-B07-2) collected in this residential unit that had a PCE concentration of 0.245 ug/m^3.
- PCE concentrations of the outdoor air samples showed a concentration significantly greater than the residential air screening level in the upwind location (OA-1) and below the residential air screening level in the downwind location (OA-2). The PCE concentration at location OA-2 was 0.253 ug/m^3 and appears to be consistent with most of the indoor air sample concentrations.

Very truly yours,

EKI ENVIRONMENT & WATER, INC.

Michelle K. King, Ph.D.
President

Chris Ingalls
Principal Geologist

Attachments

Table 1 Summary of Indoor and Outdoor Air Sample Analytical Results for VOCs

Attachment A Analytical Laboratory Data Sheets, July 2022 Sampling Event

References

AEI, 2020. Sub-slab Vacuum Assessment Summary. Art Colony LLC, 2345 South Santa Fe Avenue Los Angeles CA. AEI Consultants. 3 April 2020.

DTSC, 2022. Human Health Risk Assessment (HHRA) Note Number 3. California EPA, Department of Toxic Substances Control, Office of Human Health and Ecological Risk (HERO), June 2020. Revised May 2022.

DTSC, 2011. Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance), October 2011.

Table 1
Indoor and Outdoor Air Analytical Results for VOCs (Target Compounds)
2345-2421 S. Santa Fe Avenue
Los Angeles, California 90058

Sample Location		Sample ID	Sample Collection Date	Analytical Results µg/m^3 (a, b)	
Building	Room			PCE	TCE
Indoor Air Samples					
2415	10	IA-10	7/7/2022	<0.0678	<0.0537
2421	25	IA-25	7/7/2022	0.0855	<0.0537
2401	B00	IA-B00-1	7/7/2022	0.143	<0.0537
		IA-B00-2	7/7/2022	0.153	<0.0537
	B01	IA-B01-1	7/7/2022	0.201	<0.0537
		IA-B01-2	7/7/2022	0.119	<0.0537
	B07	IA-B07-1	7/7/2022	**0.789**	<0.0537
		IA-B07-1-DUP	7/7/2022	0.272	<0.0537
		IA-B07-2	7/7/2022	0.245	<0.0537
Outdoor Air Samples					
2345	Roof	OA-1	7/7/2022	**19.6**	0.0572
2401	Roof	OA-2	7/7/2022	0.253	<0.0537
Residential Ambient Air Screening Level (c)				**0.46**	**0.48**

Notes:
(a) Bold Above residential screening levels
(b) Air samples were analyzed by K Prime Inc., Santa Rosa, California using U.S. EPA Method TO-15 SIM for VOCs.
(c) Screening levels from DTSC-SLs

Abbreviations:
<0.49 = not detected above the laboratory reporting limit
DTSC = California Department of Toxic Substances Control
PCE = tetrachloroethene
TCE = trichloroethene
µg/m^3 = micrograms per kilogram

References:
DTSC, 2022. HERO HHRA Note Number 3: DTSC-modified Screening Levels (DTSC-SLs). California Department of Toxic Substances Control, June 2020. Revised May 2022.

EXHIBIT E-2

TABLE 1: INDOOR AIR SAMPLE DATA SUMMARY
2401-2435 South Santa Fe Avenue, Los Angeles California 90058
AEI Project No. 393142

U.S. EPA Method TO-15 SIM

Location ID	Date	Tetrachloroethylene (PCE)		Building No.	Unit
		($\mu g/m^3$)			
		Residential Units	Commercial Units		
IA-1	5/21/2019	--	0.09	2345	warehouse
	7/12/2019	--	0.204	2345	warehouse
IA-2	5/21/2019	--	0.12	2345	warehouse
	7/12/2019	--	0.253	2345	warehouse
IA-3	5/21/2019	--	0.13	2345	warehouse
	7/12/2019	--	0.303	2345	warehouse
IA-4	5/21/2019	--	0.47	2345	warehouse
	7/12/2019	--	0.413	2345	warehouse
IA-5	5/21/2019	0.10	--	2349	D
	7/12/2019	0.170	--	2349	D
IA-6	5/21/2019	--	0.13	2349	Office
	7/12/2019	--	0.222	2349	Office
IA-7	5/21/2019	0.41	--	2349	A
	7/12/2019	**0.675**	--	2349	A
IA-8	5/21/2019	**1.9**	--	2401	B05
	7/12/2019	**2.76**	--	2401	B05
IA-9	5/21/2019	**9.9**	--	2401	B02
	7/12/2019	**18.2**	--	2401	B02
IA-10	5/21/2019	**4.9**	--	2401	B08
	7/12/2019	**4.36**	--	2401	B08
IA-11	5/21/2019	**2.6**	--	2401	B09
	7/12/2019	**6.00**	--	2401	B09
IA-12	5/21/2019	0.10	--	2415	11
	7/12/2019	0.162	--	2415	11
IA-13	5/21/2019	ND<0.07	--	2415	10
	7/12/2019	0.244	--	2415	10
IA-14	5/21/2019	0.38	--	2415	6
	7/12/2019	**0.731**	--	2415	6
IA-15	5/21/2019	0.26	--	2415	3
	7/12/2019	0.451	--	2415	3
IA-16	5/21/2019	0.07	--	2349	E
	7/12/2019	0.220	--	2349	E
IA-17	5/21/2019	**0.88**	--	2421	27
	7/12/2019	**1.02**	--	2421	27
IA-18	5/21/209	**0.90**		2421	25
	7/12/2019	**9.06**	--	2421	25
IA-19	5/21/2019	**0.61**	--	2421	24
	7/12/2019	**2.09**	--	2421	24
IA-20	5/21/2019	**3.3**	--	2421	21
	7/12/2019	**0.522**	--	2421	21
AA-1	5/21/2019	ND<0.07	--	NW corner of 2345	
	7/12/2019	ND<0.136	--	NW corner of 2345	
AA-2	5/21/2019	ND<0.07	--	between 2401 and 2415	
	7/12/2019	ND<0.136	--	between 2401 and 2415	
Comparison Values in $\mu g/m^3$ - Environmental Screening Levels, Table IA-1, Residential; SFBRWQCB, January 2019, Rev. 1		0.46	--		
Comparison Values in $\mu g/m^3$ - Environmental Screening Levels, Table IA-1, Comm/Ind; SFBRWQCB, January 2019, Rev 1		--	2.0		

Notes:

$\mu g/m^3$	Micrograms per cubic meter
Table IA-1	Direct Exposure Human Health Risk Levels
SFBRWQCB	San Fransisco Bay Regional Water Qualtiy Control Board
VOCs	Volatile Organic Compounds
EPA	Environmental Protection Agency
Bold	Result exceeds a Comparison Value

EXHIBIT E-3

AEI Consultants

July 21, 2022

SUB-SLAB DEPRESSURIZATION SYSTEM PERFORMANCE REPORT

Property Identification:
2345-2421 South Santa Fe Avenue
Los Angeles, California 90058

AEI Project No. 393142

Prepared for:
Art Colony LLC
c/o Mr. Joseph Manasseri
Fifteen Group
47 NE 36th Street
Second Floor
Miami, Florida 33137

Prepared by:
AEI Consultants
701 Campus Square W, Suite 723A
El Segundo, California 90245
(310) 798-4255

Environmental Due Diligence

Building Assessments

Site Investigation & Remediation

Energy Performance & Benchmarking

Industrial Hygiene

Construction Risk Management

Zoning Analysis Reports & ALTA Surveys

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FIGURE

Figure 1 PCE Concentrations in Indoor Air

TABLE

Table 1 Indoor Air Sample Data Summary – May/July 2019

APPENDICES

Appendix A EKI Environment & Water, Inc. Letter Report on Indoor Air Sampling, July 19, 2022.
Appendix B Laboratory Analytical Reports

AEI Consultants

July 21, 2022

Art Colony, LLC
c/o Mr. Joseph Manaserri
Fifteen Group
47 NE 36th Street
Second Floor
Miami, Florida 33137

Subject: **SSD System Performance Report**
2345-2421 South Santa Fe Avenue
Los Angeles, California 90058
AEI Project No. 393142

Dear Mr. Manaserri:

AEI Consultants (AEI) is pleased to provide this summary report which describes the activities and results of assessments of the sub-slab depressurization system (SSD) at the Santa Fe Art Colony located at 2401-2435 South Santa Fe Avenue in Los Angeles, California (the Site).

1.0 BACKGROUND

The Site is an industrial mixed-use live/work space consisting of five (5) brick buildings (2401, 2415, 2421, 2349, and 2421) on the western side of South Santa Fe Avenue in Los Angeles, California (Figure 1). Four of the buildings are single-story and one building (2421) was constructed with a full basement. The largest building (2345), located in the northwestern portion of the Site is the location of Sun's Trading Company (Sun's), a commercial business.

On June 15, 2018, Art Colony Property LLC acquired the Site. During the due diligence process historical documents regarding the Site were provided by the seller, including portions of a May 24, 2017, *Phase II Environmental Site Assessment Report (Phase II)* prepared by EFI Global (EFI) that presented the results of previous subsurface investigation activities at the Site. The Phase II identified concentrations of volatile organic compounds (VOCs) in soil vapor that suggested a potential risk of vapor intrusion into the overlying commercial and joint live/work buildings at the Site. The report indicated that VOC impacts to soil vapor were likely from an off-site source.

To mitigate the potential for VOCs, specifically tetrachloroethylene (PCE)-impacted soil vapor from affecting indoor air quality within the overlying commercial and joint live/work buildings at the Site, AEI was retained to design and install an SSD system. The SSD system was installed between January 17 and March 29, 2019 and began operation on April 1, 2019. The system has been

operating continuously since startup, with the exception of brief shutdown periods to perform routine maintenance.

The SSD system includes approximately 1,585-feet of horizontal borings for installation of the sub-slab extraction wells, conveyance lines from the wells to the system compound, a 300-standard cubic feet per minute vacuum blower and two 1,000-pound granular activated carbon (GAC) vessels connected in series. The SSD system is operated under the conditions of the South Coast Air Quality Management District. To maintain compliance, the SSD system requires replacement of the 2,000-pounds of GAC approximately each quarter. To protect their tenants, Art Colony Property LLC has spent approximately $1,050,000 for the installation and approximately $100,000 yearly for the ongoing compliant operation of the SSD system.

Further documented in the recent investigation activities conducted at the adjoining property to the north, 2305 South Santa Fe Avenue, Los Angeles, California (Regional Water Board Site Cleanup Program [SCP] No. 1458, Site ID. No. 2040577) there are significant soil impacts at off-site properties and a regional groundwater plume exists in the Site vicinity originating at upgradient properties.

2.0 INDOOR AIR SAMPLING ACTIVITIES

Following startup of the SSD system, AEI assessed the performance of the system that it was meeting the design objectives. This assessment included two rounds of indoor air testing in May and July 2019 and two rounds of sub-slab vacuum assessments. In addition, EKI Environmental & Water, Inc. (EKI) recently conducted indoor air testing in selected vacant units, the results of which are described in their July 19, 2022, letter, which is attached as Appendix A.

2.1 Indoor Air Sampling – 2019

On May 20 and July 11, 2019, indoor air sampling was performed within select tenant suites at the Site. Indoor air sampling activities were conducted in general accordance with the guidelines outlined in *Final – Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance)* – October 2011, issued by the California Department of Toxic Substances Control (DTSC). For each sampling event, 20 indoor air samples (IA-1 through IA-20) and two (2) ambient air samples (AA-1 and AA-2) were collected. The samples were collected over a period of approximately 24 hours using laboratory-supplied individually laboratory-certified 6-liter evacuated sample canisters. The indoor and ambient air sample locations are shown on Figure 1.

During the sampling event, the status of the indoor climate control conditions was noted along with the outdoor weather conditions such as the temperature and wind direction. The flooring beneath the sample was noted. This information was recorded on sampling field data sheets.

The initial vacuum for each sample canister was checked and recorded prior to beginning sampling activities. After the vacuum was recorded, air sample collection began, and the air sample was drawn into the sample canister and through a dedicated flow controller. Following the designated time period of sample collection, each sample canister was sealed with a slight vacuum remaining. Once the final vacuum was recorded, the sample collection ceased and the valve to the sample canister was closed. The inlet of the sample canister was sealed with an air-tight cap.

The indoor and ambient air samples were labeled and transferred under appropriate chain-of-custody documentation to Advanced Technology Laboratories of Signa Hill, California for the May 2019 sampling event and to Pace Analytical Laboratories of Mt. Juliet, Tennessee for the July 2019 sampling event. A total of 44 indoor and ambient air samples were analyzed by the laboratory for PCE by United States Environmental Protection Agency Method TO-15 SIM.

2.1.1 Analytical Results – 2019

Table 1 presents a summary of the indoor air sample results. Laboratory analytical reports are included in Appendix B. The laboratory results of indoor and ambient air analyses were reviewed and compared to the Environmental Screening Levels (ESLs), human health initial screening levels for residential and commercial/industrial use scenarios, revised by the San Francisco Bay Regional Water Quality Control Board in July 2019, Revision 2.

The ESL comparison values provide conservative screening levels for over 100 chemicals commonly encountered at sites with impacted indoor air as well as soil, groundwater, and soil vapor. The primary goal of the ESLs is the identification and evaluation of potential environmental concerns at impacted sites. Under most circumstances, the presence of a chemical in soil, soil vapor, or groundwater detected at concentrations below their respective corresponding ESL comparison value can generally be assumed to not pose a significant threat to human health or the environment. The ESLs are not enforceable cleanup standards, and the presence of a chemical at or in excess of an ESL does not necessarily indicate that adverse impacts to human health or the environment are occurring, rather they indicate that a potential for adverse risk may exist and additional evaluation is warranted. The ESL comparison value for PCE for indoor air under commercial/industrial use scenarios is 2.0 micrograms per cubic meter (µg/m^3). The ESL comparison value for PCE under residential use scenarios is 0.42 µg/m^3.

It should be noted that the detection of PCE in indoor air does not, by itself, indicate that there is vapor intrusion from the subsurface. Some portion of PCE detected in indoor air may come from indoor sources, such as dry cleaned clothing or the use consumer products with a tenant suite. Many of the Site residents are artists who may use a variety of products containing VOCs in their live/work space.

Results of the May 2019 Sampling Event

Table 1 presents the summary of the indoor air sample results. During the May 2019 sampling event, PCE was detected in 19 of the 22 air samples submitted to the laboratory for analysis. The results can be summarized as follows:

- PCE was not detected at or above the laboratory method reporting limit in the 2 ambient air samples and in indoor air sample IA-13, which was collected from Unit 10 in Building 2415.
- Four (4) indoor air samples were collected from Building 2345 each yielded PCE at concentrations below the commercial and residential ESL comparison values.
- The indoor air sample collected from the Office in Building 2349 was below both the residential and commercial/industrial ESL comparison values.
- PCE was detected in six (6) of the indoor air samples collected from work/live units at concentrations below the residential ESL comparison value.

- In Building 2401 (Units B02, B05, B08 and B09), PCE was detected in the four indoor air samples (IA-8 through IA-11) collected, observed at concentrations ranging from 1.9 µg/m^3 to 9.9 µg/m^3, which are at or above the residential and commercial/industrial ESL comparison values.
- Of the four indoor air samples (IA-17 through IA-20) collected in Building 2421 (Units 21, 24, 25 and 27), PCE was detected in each of the four samples, observed at concentrations ranging from 0.88 µg/m^3 to 3.3 µg/m^3, exceeding the residential ESL comparison values. The PCE concentration also exceeded the commercial/industrial ESL in the air sample collected in Unit 21(IA20).

Results of the July 2019 Sampling Event

Table 1 presents the summary of the indoor air sample results. During the July 2019 sampling event, PCE was detected in 20 of the 22 air samples submitted to the laboratory for analysis. The results can be summarized as follows:

- PCE was not detected in each of the 2 ambient air samples at or above the laboratory method reporting limit.
- The detections of PCE in the 4 indoor air samples (IA-1 through IA-4) collected from Warehouse Building 2345 and the indoor air sample (IA-6) collected from the office in Building 2349 were below the commercial and residential ESL comparison values.
- PCE was detected in six (6) air samples below the residential ESL comparison value in samples IA-5 and IA-12 through IA-16.
- PCE was detected in the residential Unit A (IA-7) in Building 2349 at a concentration that exceeded the residential ESL comparison value.

  PCE was detected in the four indoor air samples (IA-8 through IA-11) collected in Building 2401(Units B02, B05, B08 and B09) ranging in concentration from 2.76 µg/m^3 to 18.2 µg/m^3, which exceed the residential ESL comparison value.

  PCE was detected in one of the four indoor air samples (IA-14) collected in Building 2415 at a concentration (0.731 µg/m^3) slightly exceeding the residential ESL comparison value.
- The four air samples collected within Building 2421 (IA21, IA24, IA25 and IA27) collected in Units 21, 24, 25 and 27, ranged in concentrations from 0.55 µg/m^3 to 9.09 µg/m^3 exceeding the residential ESL comparison value.

2.2 Further Evaluation of SSD System Performance

Following the indoor air survey, in order to further evaluate the effectiveness of the SSD and the potential for vapor intrusion, AEI conducted a sub-slab vacuum assessment in March 2020. The results of this assessment are reported in AEI's April 3, 2020, *Sub-Slab Vacuum Assessment Summary*. Sub-slab vacuum measurements ranged between 0.05 to 0.24 inches of water column. As presented in the US EPA's Engineering Issue *Indoor Air Vapor Intrusion Mitigation Approaches* October 2008 (EPA/600/R-080115) recommends a sub-slab vacuum between 0.016 and 0.04 inches of water column to protect from the potential for vapor intrusion. Therefore, as of March 2020, the SSD system appeared to be creating a sufficient vacuum beneath the buildings, where measured, that would be expected to limit the intrusion of PCE affected soil vapor into the buildings at the Site.

To confirm that the SSD system continued to operate effectively, AEI performed another sub-slab vacuum assessment in January 2022. The results of this assessment are reported in AEI's January 11, 2022, *Sub-Slab Vacuum Assessment Summary*. Sub-slab vacuum measurements ranged between 0.05 to 0.17 inches of water column, once again within the US EPA recommended range. Accordingly, as of January 2022, the SSD system continued to create a sufficient vacuum beneath the building, where measured, that would be expected to limit the intrusion of PCE affected soil vapor into the buildings at the Site.

2.3 Indoor Air Sampling –2022

In July 2022, EKI Environment & Water (EKI) collected eight air samples and one duplicate sample from within 5 recently vacated units. Prior to sampling, the units were all cleaned, thereby reducing the potential for a contribution from indoor sources of VOCs, including, but not limited to products and solvents utilized by the former tenants. A copy of EKI's report is included in Appendix A. The results can be summarized as follows:

- PCE was detected in eight of the nine indoor air samples collected and analyzed. Each of the observed PCE concentrations were below the residential ESL comparison value, with the exception of one sample that yielded PCE at a concentration of 0.789 µg/m^3. However, the duplicate sample yielded PCE at a concentration of 0.272 µg/m^3, which is below the residential ESL comparison value.

- Two outdoor air samples were taken in July 2022. One had PCE detected at a concentration of 0.253 µg/m^3, which is similar to the levels detected in indoor air. The second ambient sample had 19.6 µg/m^3, which is above the commercial ESL comparison value. Therefore, ambient PCE concentrations likely affected the results of the indoor air samples and the observed PCE concentrations in indoor air is not likely from vapor intrusion.

- TCE was not detected in the indoor air samples collected and analyzed from within the 5 units at or above the laboratory method reporting limit.

Based upon the sampling of these vacant units where PCE was previously observed above the residential ESL comparison value, and when vacant PCE was not observed at concentrations above ambient air concentrations indicates that the SSD system at the Site is protecting indoor air quality from the potential for vapor intrusion of PCE affected soil vapor beneath the Site.

AEI appreciates the opportunity to support this important project. If there are any questions regarding our investigation, please do not hesitate to contact Valerie Marshall at 310.847.9972.

Sincerely,
AEI Consultants

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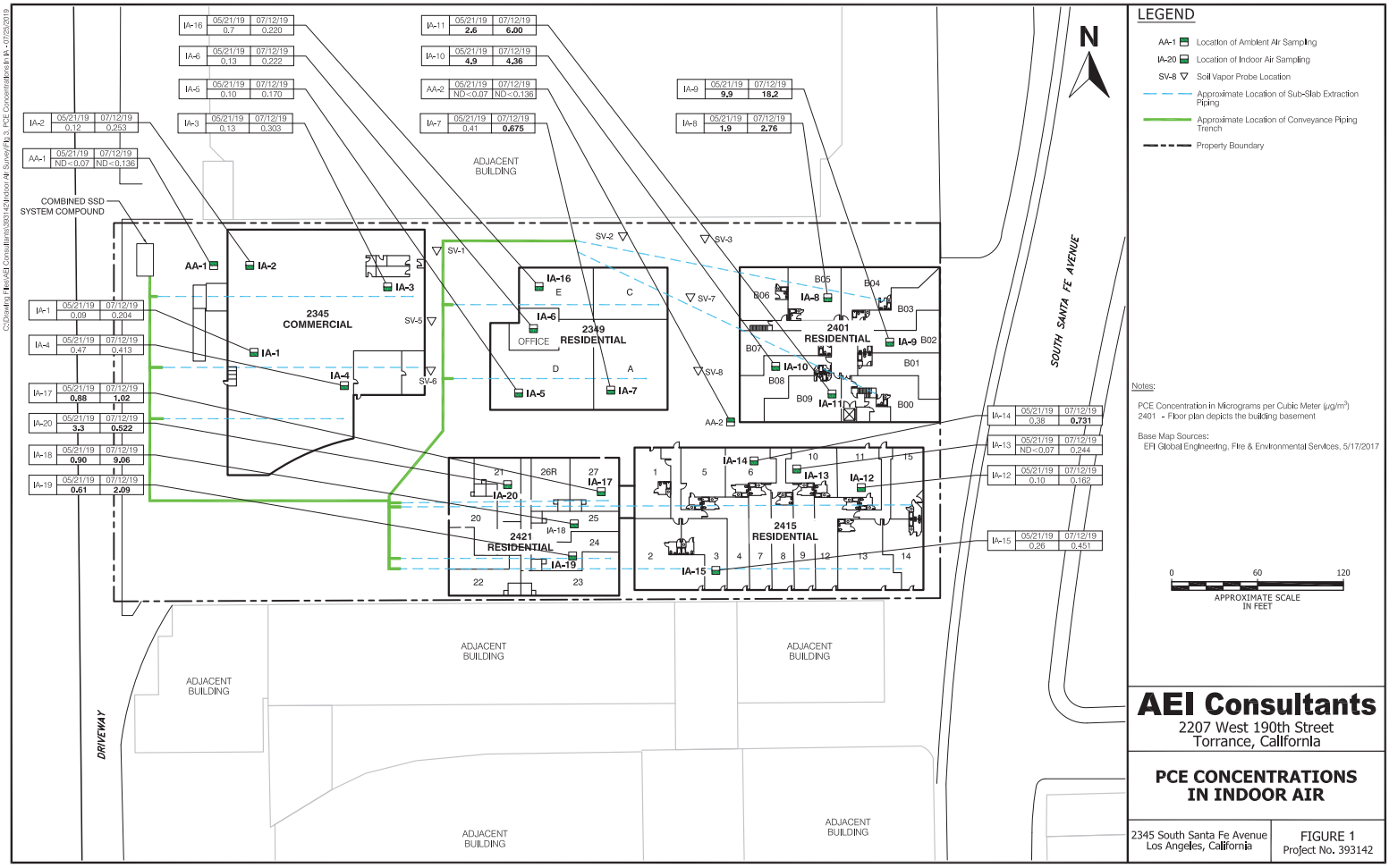
FIGURE

PCE Concentrations in Indoor Air



LEGEND

- AA-1 Location of Ambient Air Sampling
- IA-20 Location of Indoor Air Sampling
- SV-8 Soil Vapor Probe Location
- Approximate Location of Sub-Slab Extraction Piping
- Approximate Location of Conveyance Piping Trench
- Property Boundary

Notes:

PCE Concentration in Micrograms per Cubic Meter (µg/m³)
2401 - Floor plan depicts the building basement

Base Map Sources:
EFI Global Engineering, Fire & Environmental Services, 5/17/2017

0 60 120
APPROXIMATE SCALE IN FEET

AEI Consultants
2207 West 190th Street
Torrance, California

PCE CONCENTRATIONS IN INDOOR AIR

2345 South Santa Fe Avenue
Los Angeles, California

FIGURE 1
Project No. 393142