

*Appendix 4.6-3:
Soil/Gas Phase II*





March 15, 2023

Fred Shaffer, President
Saiko Investment Corp
1590 Rosecrans Ave, Suite D-303
Manhattan Beach, CA 90266

**RE: 16829-16839 South Normandie Avenue, Gardena, California
Hazardous Materials Assessment Peer Review**

Kimley-Horn and Associates, Inc., has completed review of the following documents prepared for the subject property:

- Phase II Subsurface Investigation Report, by Partner Engineering and Science, Inc., dated July 26, 2021
- Assessment Report, by Partner Engineering and Science, Inc., dated November 4, 2021
- Technical Memorandum, Vapor Intrusion Risk Evaluation, by Hillmann Consulting, dated September 30, 2022
- Opinion Letter, by Hillmann Consulting, dated September 30, 2022

The Assessment Report references a Phase I Environmental Site Assessment prepared by Coastline Real Estate Advisors, Inc. According to the Phase I, the subject property has been occupied by industrial uses since 1957, including the following tenants:

- Silagy Plastering (1960)
- Wright Bors MFG (1964)
- Bjerke Nicholson Construction Company (1964-1970)
- Pied Pipers the MFRS (1975)
- Owen Machine Company (1976-1986)
- Tans MFG (1985)
- FM Engine (2004-2015)
- Servsoft Water Refiners/Miracle Water (1990-2015)
- Olympic Van Lines (1990)
- B&M Silk-screening (1990)
- Avenue Auto Body (1993-1999)
- KS Custom Cabinets (2001-2015)

Avenue Auto Body and KS Custom Cabinets reportedly used paint booths, and it is likely that solvents were used by these businesses during normal operating conditions. Many of the noted tenants operated prior to 1980, and therefore, records about hazardous material use, generation, and disposal do not exist. Past industrial uses may have contributed to localized impacts in the soil, soil vapor, and groundwater at the subject property.

Partner identified five boring locations at the subject property. In July 2021, Soil samples were collected at 2, 5, 10, 15, 20, 25 and 30 feet below ground surface (bgs). Groundwater grab samples were collected at 28 feet bgs. Soil gas probes were installed to five feet bgs. According to Partner, laboratory

analysis of the collected samples indicate a release of petroleum hydrocarbons and VOCs occurred at the subject property.

The November 2021 Partner report relies on the data collected during the July 2021 evaluation as well as analysis of additional sampling done in August 2021. The July 2021 analysis compared soil gas findings to DTSC's Residential and Commercial/Industrial Soil Gas Screening Levels. The November 2021 analysis compared soil gas findings to DTSC's California-Modified Regional Screening Levels.

In a letter dated September 30, 2022, Hillman Consulting noted the data suggests a Soil Management Plan be required to protect workers during construction at the subject property. The Soil Management Plan would also provide guidance to Contractor regarding the handling of contaminated or suspect soils that may be found during construction.

Hillmann was retained to complete a Vapor Intrusion Risk Evaluation (VIRE) to evaluate health risks and hazards associated with developing the subject property for residential use. The VIRE estimates the magnitude of potential adverse health effects that could occur due to chronic, long term exposure to the contaminants present onsite. Hillmann evaluated two construction types, slab-on-grade townhome style units and apartment units built over a parking structure. Hillman found the cancer risk associated with the slab-on-grade construction exceeds the value considered acceptable under current Department of Toxic Substance Control (DTSC) guidelines. The cancer risk estimated for the apartment units built over parking structure are within the acceptable DTSC limits. Based on their analysis, Hillman made the following recommendations:

- Any future townhomes built on the subject property should be protected by adequate vapor intrusion mitigation systems such as vapor barriers and subsurface ventilation; this would reduce the estimated cancer risk below the DTSC acceptable value.
- Parking structure should be designed so that sufficient ventilation is provided to reduce vehicle emissions and to reduce indoor air accumulation of VOCs.

Kimley-Horn agrees with the recommendations made by Hillman and suggests those be incorporated as mitigation measures associated with the project. Be advised additional sampling and analysis may be required to design the vapor mitigation system to meet regulatory requirements.

Please contact me at (714) 705-1340 or jennifer.steen@kimley-horn.com should you have any questions or wish to discuss this matter further.

Sincerely,

Jennifer Steen
Planner

PARTNER

ASSESSMENT REPORT

16829-16839 South Normandie Avenue
Gardena, California 90247

November 4, 2021
Partner Project Number: 21-325299.5R1

Prepared for:
Bruce Howard
P.O. Box 10665
Beverly Hills, California 90213



Engineers who understand your business

November 4, 2021

Attorney-Client Privileged

Bruce Howard
P.O. Box 10665
Beverly Hills, California 90213

Subject: Assessment Report
16829-16839 South Normandie Avenue
Gardena, California 90247
Partner Project Number: 21-325299.5R1

Dear Mr. Howard:

Partner Engineering and Science, Inc. (Partner) is pleased to provide the results of the assessment performed at the above-referenced property. The following report describes the field activities, methods, and findings of the assessment conducted at the above-referenced property.

This assessment was performed consistent with acceptable industry standards. The independent conclusions represent Partner's best professional judgment based upon existing conditions and the information and data available to us during the course of this assignment.

We appreciate the opportunity to provide these services. If you have any questions concerning this report, or if we can assist you in any other matter, please contact Jenny Redlin at (310) 765-7243.

Sincerely,

Partner Engineering and Science, Inc.



Sean Hanrahan
Environmental Scientist/Professional



Jenny Redlin
National Client Manager



Terri Men
Senior Author



Robert Traylor, PG
Site Mitigation Director

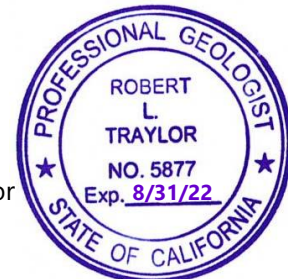


Table of Contents

1.0	Introduction	1
1.1	Purpose	1
1.2	Limitations	1
1.3	User Reliance	1
2.0	Site Background.....	2
2.1	Site Description.....	2
2.2	Site History	2
2.3	Geology and Hydrogeology	4
3.0	Field Activities	5
3.1	Preparatory Activities.....	5
3.1.1	Utility Clearance.....	5
3.1.2	Health and Safety Plan.....	5
3.2	Drilling Equipment.....	5
3.3	Sample Locations	5
3.4	Soil Gas Sampling	5
3.5	Post-Sampling Activities.....	6
4.0	Data Analysis.....	7
4.1	Laboratory Analysis	7
4.2	Regulatory Agency Comparison Criteria	7
4.3	Soil Gas Sample Data Analysis.....	7
4.4	Discussion	8
5.0	Summary and Conclusions.....	9

ATTACHMENTS

Tables	1. Summary of Assessment Scope
	2. Previous Soil Sample TPH-cc Laboratory Results
	3. Previous Soil Sample VOCs and PAHs Laboratory Results
	4. Previous Groundwater VOCs and PAHs Laboratory Results
	5. Previous Soil Gas Sample VOCs Laboratory Results
	6. Mobile Laboratory Soil Gas Sample VOCs Laboratory Results
Figures	1. Site Vicinity Map
	2. Topographic Map
	3. Sample Location Map
Appendices	A. Laboratory Analytical Report

1.0 INTRODUCTION

1.1 Purpose

Partner previously conducted a Phase II Subsurface Investigation at the subject property to assess the potential impact from the on-site operations. The investigation identified volatile organic compound (VOC) impacts in the subject property subsurface exceeding inhalation pathway screening levels. Partner conducted an assessment to evaluate the extent of the VOC impacts identified in soil gas to impact indoor air. Bruce Howard provided project authorization of Partner Proposal Number P21-325299.2R2.

1.2 Limitations

This report presents a summary of work conducted by Partner. The work includes observations of site conditions encountered and the analytical results provided by an independent third-party laboratory of samples collected during the course of the project. The number and location of samples were selected to provide the required information. It cannot be assumed that the limited available data are representative of subsurface conditions in areas not sampled.

Conclusions and/or recommendations are based on the observations, laboratory analyses, and the governing regulations. Conclusions and/or recommendations beyond those stated and reported herein should not be inferred from this document.

Partner warrants that the environmental consulting services contained herein were accomplished in accordance with generally accepted practices in the environmental engineering, geology, and hydrogeology fields that existed at the time and location of work. No other warranties are implied or expressed.

1.3 User Reliance

Partner was engaged by Bruce Howard (the Addressee), or their authorized representative, to perform this assessment. The engagement agreement specifically states the scope and purpose of the assessment, as well as the contractual obligations and limitations of both parties. This report and the information therein, are for the exclusive use of the Addressee. This report has no other purpose and may not be relied upon, or used, by any other person or entity without the written consent of Partner. Third parties that obtain this report, or the information therein, shall have no rights of recourse or recovery against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, the Addressee and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such use. Unauthorized use of this report shall constitute acceptance of, and commitment to, these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted.

This report has been performed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted Partner's standard Terms and Conditions, a copy of which can be found at <http://www.partneresi.com/terms-and-conditions.php>.

2.0 SITE BACKGROUND

2.1 Site Description

The subject property consists of three parcels of land comprising approximately 1.35 acres located on the southwest corner of the intersection of South Normandie Avenue and 169th Street within a mixed industrial and residential area of Gardena, Los Angeles County, California. The subject property is currently developed with three single- to two-story light industrial buildings (addressed as 16829, 16831, and 16835-16839 South Normandie Avenue, herein referred to as Buildings A through C, respectively), one of which is constructed with a mezzanine, which total 20,480 square feet. In addition to the current structures, the subject property is improved with asphalt-paved and unpaved parking areas. The majority of the subject property is currently occupied by Property Prep Services for light industrial use. Two of the units in the multi-tenant structure (Building C) are leased out to general office and storage tenants. On-site operations consist of the storage of power wash equipment that is utilized during the prep and cleaning of parking structures. The subject property is also equipped with an aboveground clarifier that is utilized to separate sediment from dirty wash water that is brought in from off-site cleaning operations.

The subject property is bound by new construction to the north across 169th Street, residential properties to the east across Normandie Avenue, an industrial facility to the south, and residential properties to the west. Refer to Figure 1 for a site vicinity map showing site features and surrounding properties.

2.2 Site History

Partner conducted a *Phase I Environmental Site Assessment Report* (Phase I) for the subject property, dated July 13, 2021, on behalf of Coastline Real Estate Advisors, Inc. Based on the information reviewed and the site reconnaissance, the subject property consists of three parcels of land comprising 1.35 acres located on the southwest corner of the intersection of South Normandie Avenue and 169th Street within a mixed industrial and residential area of Gardena, Los Angeles County, California. The subject property is currently developed with three one- to two-story light industrial buildings (addressed as 16829, 16831, and 16835-16839 South Normandie Avenue, herein referred to as Buildings A through C), one of which is constructed with a mezzanine, which total 20,480 square feet. In addition to the current structures, the subject property is also improved with asphalt-paved and unpaved parking areas. The majority of subject property is currently occupied by Property Prep Services for light industrial use. Two of the units in the on-site multi-tenant structure (Building C) are leased out to general office and storage tenants. On-site operations consist of the storage of power wash equipment that is utilized during the prep and cleaning of parking structures. The subject property is equipped with an aboveground clarifier that is utilized to separate sediment from dirty wash water that is brought in from off-site cleaning operations.

According to the reviewed historical sources, the subject property was formerly occupied by a rural residence from at least 1928 until at least 1952; developed with the Building C in 1957, developed with Building A in 1963, and developed with Building B by 1978. The subject property appears to have been occupied by industrial operations since the construction of Building C in 1957. Tenants on the subject property have included residential tenants (1928-1952); Silagy Plastering (1960); Wright Bors MFG (1964); Bjerke Nicholson Construction Company (1964-1970); Pied Pipers the MFRS (1975); AV Pallets (1985-2015); Owen Machine Company (1976-1986); Tans MFG (1985); FM Engine (2004-2015); Servsoft Water

Refiners/Miracle Water (1990-2015); Olympic Van Lines (1990); B&M Silkscreening (1990); Avenue Auto Body (1993-1999); KS Custom Cabinets (2001-2015); C&H Heating & Air Conditioning (2015), and Property Prep Services (2016 to present).

The following recognized environmental condition (REC) was identified in the Phase I:

- Based on the historical and regulatory sources, the subject property has been occupied by various light-industrial tenants since initial development in 1957. These tenants include two machine shops, an auto body repair operation, an engine repair business (FM Engine), a cabinet maker, and several manufacturing entities, that would have presumably used and/or stored hazardous substances. These entities include Silagy Plastering (1960); Wright Bors MFG (1964); Bjerke Nicholson Construction Company (1964-1970); Pied Pipers the MFRS (1975); Owen Machine Company (1976-1986); Tans MFG (1985); FM Engine (2004-2015); Servsoft Water Refiners/Miracle Water (1990-2015); Olympic Van Lines (1990); B&M Silk-screening (1990); Avenue Auto Body (1993-1999); and KS Custom Cabinets (2001-2015). Several of the manufacturing tenant listings were prior to 1980, thus, there is no documentation pertaining to historical hazardous substance use, storage, or disposal practices. Additionally, several paint booths were historically identified in connection with former tenants Avenue Auto Body and KS Custom Cabinets, which confirms the historical onsite usage of solvents. Partner was not provided with any previous subsurface investigations in connection with the subject property. Furthermore, Partner understands the subject property is planned for residential redevelopment. Based on long-term duration of use/occupancy by businesses that used, stored and disposed of hazardous substances (60+ years), the long-term light-industrial usage of the subject property is considered to be a REC.

To address the REC, Partner conducted a Phase II Subsurface Investigation, as documented in a report dated July 26, 2021. The scope of the investigation included the advancement of five borings. Five soil samples were analyzed for total carbon chain petroleum hydrocarbons (TPH-cc), polycyclic aromatic hydrocarbons (PAHs), and volatile organic compounds (VOCs), five groundwater samples were analyzed for PAHs and VOCs, and five soil gas samples were analyzed for VOCs.

Various VOCs and PAHs, diesel range organics (DRO), and oil range organics (ORO) were detected in the analyzed soil samples, however, did not exceed the respective regulatory guidelines. Various VOCs and the PAH, naphthalene, were detected in the analyzed groundwater samples, however, did not exceed the respective regulatory guidelines. Several VOCs were detected in the analyzed soil gas samples. Of these, the detected concentrations of methylene chloride; chloroform; carbon tetrachloride; benzene; trichloroethylene (TCE); tetrachloroethylene (PCE); ethylbenzene; 1,2,4-trichlorobenzene; and hexachlorobutadiene exceeded the residential regulatory soil gas screening levels (SGSLs). Additionally, benzene; TCE; PCE; ethylbenzene; 1,2,4-trichlorobenzene; and hexachlorobutadiene concentrations exceeded commercial/industrial SGSLs. None of the remaining detections of VOCs in soil gas were in exceedance of the respective regulatory guidelines. Refer to Tables 2 through 5 for the soil sample TPH-cc, soil sample VOCs and PAHs, groundwater sample VOCs and PAHs, and soil gas sample VOCs laboratory results from the previous investigation, respectively.

Based on the findings of the investigation, Partner concluded that there appears to have been a release of petroleum hydrocarbons and VOCs impacting the subject property subsurface. Based on the soil and

groundwater concentrations, the impacts do not appear to represent a direct contact exposure or groundwater quality concern; however, based on the soil gas exceedances, Partner was unable to rule out potential human health concerns via the inhalation pathway for the current commercial occupants. Additional soil gas sampling was conducted to evaluate the lateral and vertical extents of the soil gas impacts.

2.3 Geology and Hydrogeology

Review of the United States Geological Survey (USGS) *Inglewood, California* Quadrangle topographic map, indicates the subject property is situated approximately 34 feet above mean sea level, and the local topography is sloping gently to the south-southeast. Refer to Figure 2 for a topographic map of the site vicinity.

The subject property is located in the northeastern portion of the Los Angeles Coastal Plain and is on the ancestral flood plain of the Coyote Creek-Los Angeles River drainages. The subject property is situated near the center of the Montebello Forebay Area of the Central Basin of the Los Angeles Coastal Plain. Sediments in this area exceed 6,000 feet in thickness and consist mainly of non-marine and marine clastic sediments. Fresh water-bearing sediments are predominantly Holocene and Pleistocene non-marine clays, silts, sands and gravels about 1,000 feet thick in this area. These sediments are underlain by late Tertiary marine clastic sedimentary rocks of the Pico, Repetto and Puente Formations.

3.0 FIELD ACTIVITIES

The Assessment scope included the advancement of six soil gas borings (B1-SV through B3-SV, B4A-SV, B6-SV, and B7-SV) to collect representative soil gas samples. Refer to Table 1 for a summary of the boring locations, sampling schedule, and laboratory analysis from the previous and current assessments.

3.1 Preparatory Activities

Prior to the initiation of fieldwork, Partner performed the following activities.

3.1.1 Utility Clearance

Partner delineated the work area with white spray paint and notified Underground Service Alert (USA) to clear public utility lines as required by law at least two business days prior to drilling activities. USA issued ticket number A212281087-00A for the project.

In addition, Partner subcontracted with Ground Penetrating Radar Systems (GPRS) on August 20, 2021, to clear boring locations of utilities. GPRS systematically free-traversed each proposed boring location with a Radiodetection model RD7000 electromagnetic induction (EM) equipment unit with line-tracing capabilities, and a GSSI model SIR-3000 ground penetrating radar (GPR) unit. The data was interpreted in real time for evidence of utility lines and other subsurface features of potential concern. Based on the findings of the utility survey, no subsurface utilities were identified within the proposed boring locations.

3.1.2 Health and Safety Plan

Partner updated the site-specific Health and Safety Plan, which was reviewed with on-site personnel involved in the project prior to the commencement of drilling activities.

3.2 Drilling Equipment

On August 20, 2021, Partner subcontracted with Kehoe Testing & Engineering (Kehoe) (State of California Water Well Drilling Contractor License Number 786163) to provide and operate drilling equipment. Kehoe, under the direction of Partner, advanced borings B1-SV through B3-SV, B4A-SV, and B7-SV with a truck-mounted Geoprobe Model 7800 direct-push drill rig and boring B6-SV with a limited-access Geoprobe Model 540MT direct-push drill rig. Sampling equipment was decontaminated between sample intervals and boring locations to prevent cross-contamination.

3.3 Sample Locations

Boring B1-SV was advanced adjacent to previous boring B1, located adjacent to the wastewater treatment system located in the southwest portion of Building B. Boring B2-SV was advanced adjacent to previous boring B2 located in the southeast portion of Building B. Boring B3-SV was advanced adjacent to previous boring B3 located within a storage area in the northern interior of Building C. Boring B4A-SV was advanced to the southwest of previous boring B4 along the western property boundary line. Boring B6-SV was advanced in the southern interior of Building C. Boring B7-SV was advanced east of previous boring B3 along the eastern property boundary line. Refer to Figure 3 for a map indicating sample locations.

3.4 Soil Gas Sampling

Soil Gas Probe Construction

Borings B1-SV through B3-SV, B6-SV, and B7-SV were overlain by concrete, which was penetrated using a concrete coring attachment advanced by the direct-push drill rig. Boring B4A-SV was overlain by asphalt, which was penetrated using a punch bit attachment advanced by the direct-push drill rig. B1-SV through B3-SV, B4A-SV, and B7-SV were advanced to a terminal depth of 20 feet bgs. Boring B6-SV was advanced to drilling refusal at 14.5 feet bgs.

Borings were advanced to the terminal depth and nested soil gas probes were constructed within the boreholes after drilling. A new section of ¼-inch diameter Nylaflow tubing with a new ¼-inch diameter polypropylene filter at the terminal end was inserted into the borehole to the desired sampling depth. One-inch diameter PVC casing was used as a guide for the tubing to ensure that the desired sampling depth was achieved. Sand was poured into the boring annulus to form an approximately 1-foot long sand pack around the polypropylene filter, at which time the PVC piping was withdrawn. Approximately 1 foot of dry, granular bentonite was placed atop the sand pack and the remainder of the borehole was backfilled with hydrated bentonite to the next desired sampling depth where a soil gas probe was similarly constructed. Upon installation of the shallowest probe, the remainder of the borehole was backfilled with hydrated bentonite to the ground surface to form a seal. The sampling end of the tubing was fitted with a valve and the probe was labeled for identification.

Soil gas probes were installed at 5, 10, and 20 feet bgs in borings B1-SV through B3-SV, B4A-SV, and B7-SV, and at 5, 10, and 14.5 feet bgs in boring B6-SV.

Soil Gas Sampling Methodology

Soil gas samples were collected in general accordance with the July 2015 Department of Toxic Substances Control (DTSC) and Los Angeles Regional Water Quality Control Board (LARWQCB) "Advisory – Active Soil Gas Investigations."

A&R Laboratories Inc. (A&R), the mobile laboratory on-site [State Water Resources Control Board (SWRCB) Environmental Laboratory Accreditation Program (ELAP) certificate number 2789], was calibrated at the beginning of the day prior to the first analysis. Each probe was allowed to equilibrate for at least two hours after installation prior to sampling with vapor-tight glass syringes. Three probe volumes were purged from each probe prior to sampling. A Material Blank and Equipment Blank were analyzed for quality assurance/quality control (QA/QC) purposes. One sample was also collected in replicate to assess the accuracy of the laboratory analysis. A tracer gas isopropanol was placed around each probe at the ground surface while sampling to detect ambient air intrusion.

Soil gas samples were collected from borings B1-SV through B3-SV, B4A-SV, and B7-SV at 5, 10 and 20 feet bgs, and from boring B6-SV at 5,10 and 14.5 feet bgs.

3.5 Post-Sampling Activities

Probes and temporary wells were removed from the subsurface and the boreholes were backfilled with hydrated bentonite chips following sampling activities. Boreholes were capped with concrete patch to match existing ground cover after being backfilled. No significant amounts of derived wastes were generated during this assessment.

4.0 DATA ANALYSIS

4.1 Laboratory Analysis

A&R collected 18 soil gas samples and one replicate sample on August 20, 2021, which were loaded into the gas chromatograph/mass spectrometer (GC/MS) for analysis. Each sample was analyzed for volatile organic compounds (VOCs) in accordance with EPA Method 8260B.

Laboratory analytical results are included in Appendix A and discussed below.

4.2 Regulatory Agency Comparison Criteria

Department of Toxic Substances Control Regional Screening Levels

Regional Screening Levels (RSLs) are generic, risk-based chemical concentrations developed by the EPA for use in initial screening-level evaluations. RSLs combine human health toxicity values with standard exposure factors to estimate contaminant concentrations that are considered to be health protective of human exposures over a lifetime through direct-contact exposure pathways (e.g., via inhalation and/or ingestion of and/or dermal contact with impacted soil and/or indoor air). RSLs are not legally enforceable standards, but rather are considered guidelines to evaluate if potential risks associated with encountered chemical impacts may warrant further evaluation.

The DTSC Office of Human and Ecological Risk (HERO) developed California-Modified RSLs based on a review of 1) RSL concentrations, and 2) recent toxicity values.

While soil gas detections are not immediately comparable to the indoor air quality guidelines within the RSLs, an attenuation factor can be applied to assess the potential for indoor air impacts at a site. Soil gas target cleanup levels (SG-TCLs) are used to evaluate the requirement to implement mitigation and/or remediation at a site. It is Partner's understanding that, in general, SG-TCLs are derived by using attenuation factors for the various scenarios outlined in the October 2011 DTSC/CalEPA *Vapor Intrusion Guidance Document*. Based on the current commercial use of the subject property, SG-TCLs were derived by applying an attenuation factor of 0.001 for the current commercial/industrial use.

4.3 Soil Gas Sample Data Analysis

Various VOCs, including PCE; ethylbenzene; m,p-xylenes; o-xylenes; n-propylbenzene; 1,3,5-trimethylbenzene (TMB); 1,2,4-TMB; toluene; isopropylbenzene (IPB); benzene; styrene; 4-isopropyltoluene; and naphthalene, were detected above laboratory method detection limits (MDLs) in the analyzed soil gas samples. However, the detected concentrations did not exceed the respective SG-TCLs. No other VOCs were detected above the laboratory MDLs.

No analytes were detected in the Method Blank and the replicate sample was within an acceptable margin of error. In addition, recovery of surrogate compounds included with each analysis was within acceptable limits, indicating that the sampling containers and analysis equipment did not leak. The tracer gas was not detected in the soil gas samples, indicating that the integrity of the sampling train was maintained.

Refer to Table 6 for a summary of the mobile laboratory soil gas sample VOCs laboratory analysis results.

4.4 Discussion

VOCs were not detected above the respective direct-contact or inhalation target cleanup levels for current commercial use, and therefore, based on the current dataset, do not represent a significant human health threat for the current commercial occupants. Accordingly, no mitigation or remediation is warranted at this time for the current commercial occupants.

5.0 SUMMARY AND CONCLUSIONS

Partner previously conducted a Phase II Subsurface Investigation at the subject property to assess for potential impacts from the on-site operations. The investigation identified VOC impacts in the subject property subsurface exceeding regulatory screening levels. Partner conducted an Assessment at the subject property to evaluate the extent of VOC impacts identified in soil gas to current commercial occupants. The scope of the Assessment included the advancement of six soil gas borings. Eighteen soil gas samples and one replicate sample were analyzed for VOCs.

VOCs were not detected above the respective direct-contact or inhalation target cleanup levels for current commercial use, and therefore, based on the current dataset, do not represent a significant human health threat for the current commercial occupants. Accordingly, no mitigation or remediation is warranted at this time for the current commercial occupants.

TABLES

Table 1: Summary of Investigation Scope
 16829-16839 South Normandie Avenue
 Gardena, California 90247
 Partner Project Number 21-325299.5
 July 19, 2021 and August 20, 2021

Boring Identification	Sample Date	Location	Terminal Depth (feet bgs)	Matrix Sampled	Sampling Depths* (feet bgs)	Target Analytes
B1	7/19/2021	Adjacent to wastewater treatment system in southwest portion of Building B	30	Soil Gas	5	VOCs
				Soil	2 , 5, 10, 15, 20, 25, 30	TPH-cc, VOCs, PAHs
				Groundwater	<u>2</u>	VOCs, PAHs
B2	7/19/2021	Southeast portion of Building B	30	Soil Gas	5	VOCs
				Soil	2 , <u>5</u> , 10, 15, 20, 25, 30	TPH-cc, VOCs, PAHs
				Groundwater	<u>2</u>	VOCs, PAHs
B3	7/19/2021	Storage area of northern interior of Building C	30	Soil Gas	5	VOCs
				Soil	2 , 5, 10, 15, 20, 25, 30	TPH-cc, VOCs, PAHs
				Groundwater	<u>2</u>	VOCs, PAHs
B4	7/19/2021	Area of stained pavement in southwest exterior of subject property	30	Soil Gas	5	VOCs
				Soil	2 , <u>5</u> , 10, 15, 20, 25, 30	TPH-cc, VOCs, PAHs
				Groundwater	<u>2</u>	VOCs, PAHs
B5	7/19/2021	Storage yard in northwest exterior of subject property	30	Soil Gas	5	VOCs
				Soil	2 , 5, 10, 15, 20, 25, 30	TPH-cc, VOCs, PAHs
				Groundwater	<u>2</u>	VOCs, PAHs
B1-SV	8/20/2021	Adjacent to previous boring B1	20	Soil Gas	5, 10, 20	VOCs
B2-SV	8/20/2021	Adjacent to previous boring B2	20	Soil Gas	5, 10, 20	VOCs
B3-SV	8/20/2021	Adjacent to previous boring B3	20	Soil Gas	5, 10, 20	VOCs
B4A-SV	8/20/2021	Southwest of previous boring B4, along western property boundary	20	Soil Gas	5, 10, 20	VOCs
B6-SV	8/20/2021	Southern portion of Building C	20	Soil Gas	5, 10, 14.5	VOCs
B7-SV	8/20/2021	West of previous boring B3, along eastern property boundary	20	Soil Gas	5, 10, 20	VOCs

Notes:

*Depths in **bold** analyzed for carbon chain total petroleum hydrocarbons (TPH-cc) via United States Environmental Protection Agency (EPA) Method 8015M. Depths in *italics* analyzed for volatile organic compounds (VOCs) via EPA Method 8260B (soil, groundwater, and soil gas collected on August 20, 2021) and EPA Method TO-15 (soil gas collected on July 19, 2021). Underlined depths analyzed for polycyclic aromatic hydrocarbons (PAHs) via EPA Method 8270C-select ion monitoring (SIM).

bgs = below ground surface

Table 2: Previous Soil Sample TPH-cc Laboratory Results
 16829-16839 South Normandie Avenue
 Gardena, California 90247
 Partner Project Number 21-325299.5
 July 19, 2021

EPA Method	TPH-cc via 8015M					
Units	(mg/kg)					
Analyte	Maximum SSL	B1-2	B2-5	B3-2	B4-5	B5-2
GRO C8-C10	100	<2.4	<2.4	<2.4	<2.4	<2.4
DRO C10-C28	100	14 B	3.7 BJ	4.5 BJ	2.7 BJ	2.9 BJ
ORO C28-C44	1,000	64	4.4 BJ	4.2 BJ	3.6 BJ	3.6 BJ

Notes:

TPH-cc = carbon chain total petroleum hydrocarbons

EPA = United States Environmental Protection Agency

GRO = gasoline-range organics

DRO = diesel-range organics

ORO = oil-range organics

mg/kg = milligrams per kilogram

SSLs = Soil-screening levels (Los Angeles Regional Water Quality Control Board - April 27, 2004) for groundwater at a depth of 28 feet

< = not detected above indicated laboratory method detection limit (MDL)

B = chemical found in associated Method Blank

J = estimated value detected between laboratory MDL and laboratory RL

Values in **bold** exceed laboratory MDLs

Table 3: Previous Soil Sample VOCs and PAHs Laboratory Results
 16829-16839 South Normandie Avenue
 Gardena, California 90247
 Partner Project Number 21-325299.5
 July 19, 2021

Analyte	Residential Soil RSL	Commercial/ Industrial Soil RSL	B1-2	B2-5	B3-2	B4-5	B5-2
VOCs via EPA Method 8260B (µg/kg)							
Bromomethane	6,800	30,000	0.32 J	1.1 J	0.55 J	<4.6	<0.31
Acetone	61,000,000	670,000,000	24 J	34 J	35 J	<23	<23
Methylene Chloride	2,200	26,000	1.5 J	1.7 J	1.1 J	1.3 J	1.6 J
2-Butanone	27,000,000	190,000,000	4.5 J	5.5 J	4.8 J	<2.4	<3.3
Benzene	330	1,400	0.76 J	<0.24	<0.21	<0.16	<0.21
Toluene	1,100,000	5,300,000	0.99 J	<0.51	<0.45	<0.34	<0.46
Other VOCs	Varies	Varies	ND	ND	ND	ND	ND
PAHs via EPA Method 8270C-SIM (µg/kg)							
Phenanthrene	NE	NE	29 J	<3.2	4.6 J	<3.2	<3.2
Fluoranthene	2,400,000	18,000,000	49	<2.5	16	<2.5	<2.5
Pyrene	1,800,000	13,000,000	49	<2.1	15	<2.1	<2.1
Benzo(a)anthracene	1,100	12,000	20 J	<4.3	5.6 J	<4.3	<4.3
Chrysene	110,000	1,300,000	30 J	<3.6	9.4 J	<3.6	<3.6
Benzo(b)fluoranthene	1,100	13,000	25 J	<5.4	8.2 J	<5.4	<5.4
Benzo(k)fluoranthene	11,000	130,000	25 J	<2.5	8.6 J	<2.5	<2.5
Benzo(a)pyrene	110	1,300	21 J	<3.5	9.8 J	<3.5	<3.5
Indeno(1,2,3-cd)pyrene	1,100	13,000	17 J	<4.1	7.9 J	<4.1	<4.1
Benzo(g,h,i)perylene	NE	NE	21 J	<3.7	8.2 J	<3.7	<3.7
Other PAHs	Varies	Varies	ND	ND	ND	ND	ND

Notes:

VOCs = volatile organic compounds

PAH = polycyclic aromatic hydrocarbons

EPA = United States Environmental Protection Agency

µg/kg = micrograms per kilogram

RSL = June 2020 Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Regional Screening Levels (RSLs). If DTSC RSLs do not exist, May 2021 EPA RSLs were utilized.

< = not detected above indicated laboratory method detection limit (MDL)

ND = not detected above laboratory MDLs

J = estimated value detected between laboratory Method Detection Limit (MDL) and laboratory reporting limit (RL)

NE = not established

Values in **bold** exceed laboratory MDL

Table 4: Previous Groundwater Sample VOCs and PAHs Laboratory Results
 16829-16839 South Normandie Avenue
 Gardena, California 90247
 Partner Project Number 21-325299.5
 July 19, 2021

Analyte	MCL	B1-5	B2-5	B3-5	B4-5	B5-5
VOCs via 8260B (µg/L)						
Bromomethane	NE	<0.7	<0.7	<0.7	<0.7	0.7 J
2-Butanone	NE	<1	1.6 J	<1	1.2 J	<1
Chloroform	80	<0.2	<0.2	<0.2	<0.2	0.8 J
Toluene	150	0.5 J	0.5 J	<0.2	<0.2	<0.2
m,p-Xylenes	10,000	0.6 J	<0.5	<0.5	<0.5	<0.5
o-Xylene	10,000	0.4 J	<0.3	<0.3	<0.3	<0.3
Naphthalene	NE	0.3 J	<0.3	<0.3	<0.3	<0.3
Xylene (total)	10,000	0.9 J	<5	<5	<5	<5
Other VOCs	Varies	ND	ND	ND	ND	ND
PAHs via 8270C-SIM (µg/L)						
Naphthalene	NE	0.19 J	<0.2	<0.15	<0.14	<0.17
Other PAHs	Varies	ND	ND	ND	ND	ND

Notes:

VOCs = volatile organic compounds

PAHs = polycyclic aromatic hydrocarbons

EPA = United States Environmental Protection Agency

µg/L = micrograms per liter

MCLs = Maximum Contaminant Levels (California Department of Public Health - January 30, 2013)

< = not detected above indicated laboratory method detection limit (MDL)

ND = not detected above laboratory MDLs

J = estimated value detected above the laboratory MDL but below the laboratory reporting limit (RL)

Values in **bold** exceed laboratory MDLs

Table 5: Previous Soil Gas Sample VOCs Laboratory Results
16829-16839 South Normandie Avenue
Gardena, California 90247
Partner Project Number 21-325299.5
July 19, 2021

EPA Method Units	VOCs via TO-15 (µg/m ³)					
	Existing Commercial/ Industrial SG-TCL (at Depth)	B1-SG	B2-SG	B3-SG	B4-SG	B5-SG
1,1-Difluoroethane (tracer)	NA	ND	7,500	36,000	58,000	3,200
Freon 12	440,000	<52	<52	23	<26	2.1 J
Chloromethane	390,000	20 J	16 J	7.9	<6.6	2.7 J
Bromomethane	22,000	<23	<23	1.2 J	<12	<0.58
Chloroethane	44,000,000	<34	<34	2.2 J	<17	<0.86
Trichlorofluoromethane	5,300,000	<49	<49	13 J	<24	<1.2
Freon 113	22,000,000	<58	<58	6.4 J	<29	<1.4
Acetone	140,000,000	330 J	<33	770	<16	79
Carbon Disulfide	3,100,000	<29	<29	49	<15	14
Isopropanol (IPA)	880,000	<20	<20	21 J	<9.8	1.7 BJ
Methylene Chloride	12,000	200 BJ	240 B	<1.1	110 B	4 BJ
n-Hexane	3,100,000	53 J	1,300	1,400	230	140
2-Butanone	22,000,000	40 J	<30	160	19 J	10 J
Chloroform	530	<38	<38	5.5 J	<19	2.9 J
Carbon Tetrachloride	2,000	<52	<52	7.9 J	<26	<1.3
Benzene	420	37 J	61 J	210	19 J	13
Trichloroethene	3,000	<54	<54	860	<27	<1.3
4-Methyl-2-Pentanone	13,000,000	<32	<32	42	<16	<0.81
Toluene	1,300,000	300	590	1,300	69 J	78
Tetrachloroethene	2,000	45 J	<43	220	<21	<1.1
Ethylbenzene	4,900	61 J	51 J	420	21 J	16
m,p-Xylenes	440,000	280 J	200 J	1,500	92 J	49
o-Xylene	440,000	<30	<30	500	34 J	17
Styrene	3,900,000	<26	<26	18	<13	<0.66
4-Ethyltoluene	NE	<33	<33	65	19 BJ	3.6 BJ
1,3,5-Trimethylbenzene	260,000	<32	<32	68	24 J	3.7 J
1,2,4-Trimethylbenzene	260,000	70 BJ	<25	230	84 BJ	12
1,2,4-Trichlorobenzene	1,700	75 BJ	<42	<2.1	<21	<1
Hexachlorobutadiene	560	73 BJ	<73	<3.6	<36	<1.8
Xylene (total)	440,000	280 J	200 J	2,000	130 J	66
Other VOCs	Varies	ND	ND	ND	ND	ND

Notes:

SG-TCL = Calculated soil gas target cleanup levels for soil gas at depth were derived by dividing the June 2020 DTSC or May 2021 EPA RSL for each compound using the 2011 attenuation factor of 0.001 for current commercial/industrial land use. DTSC RSLs are provided in the DTSC HERO Human Health Risk Assessment (HHRA)

Note 3. Where DTSC RSLs were not available, EPA RSLs were utilized.

VOCs = volatile organic compounds

µg/m³ = micrograms per cubic meter

< = not detected above indicated laboratory method detection limit (MDL)

J = estimated value detected above the laboratory MDL but below the laboratory reporting limit (RL)

B = chemical found in associated Method Blank

ND = not detected above laboratory MDLs

Values in **bold** exceed laboratory MDLs

Table 6: Mobile Laboratory Soil Gas Sample VOCs Laboratory Results
 16829-16839 South Normandie Avenue
 Gardena, California 90247
 Partner Project Number 21-325299.5
 August 20, 2021

EPA Method Units	VOCs via 8260B (µg/m ³)													
	Sample Identification	PCE	Ethylbenzene	m,p-Xylenes	o-Xylenes	n-PB	1,3,5-TMB	1,2,4-TMB	Toluene	IPB	Benzene	Styrene	4-IPT	Naphthalene
B1-SV5	30 J	650	3,400	1,700	60	130	360	110	<25	<12	<25	<25	<16	ND
B1-SV10	50	40	230	140	<25	30	80	<25	<25	<12	<25	<25	<16	ND
B1-SV20	30 J	<25	90 J	50	<25	<25	50	30 J	<25	<12	<25	<25	<16	ND
B2-SV5	60	1,900	7,200	4,200	10 J	10 J	30	250	40	20	10 J	10 J	10	ND
B2-SV10	660	1,200	5,300	2,400	<25	100	190	790	<25	150	210	90	70	ND
B2-SV20	80	60	260	140	<25	<25	30	180	<25	<12	40	<25	<16	ND
B3-SV5	150	40	160	70	<25	<25	<25	120	<25	<12	<25	<25	<16	ND
B3-SV10	90	30 J	120	60	<25	<25	<25	110	<25	<12	<25	<25	<16	ND
B3-SV20	150	40 J	170	80	<25	<25	<25	160	<25	40 J	<25	<25	<16	ND
B3-SV20 DUP	160	50	180	80	<25	<25	<25	170	<26	40 J	<25	<25	<16	
B4A-SV5	40 J	100	460	160	<25	<25	<25	40 J	<25	<12	<25	<25	<16	ND
B4A-SV10	20 J	250	1,200	420	<25	<25	<25	30	<25	<12	<25	<25	<16	ND
B4A-SV20	50	4,800	19,000	6,800	<25	<25	<25	12	50	20 J	<25	<25	<16	ND
B6-SV5	220	550	2,500	1,100	<25	<25	40 J	<25	<25	30 J	110	<25	40	ND
B6-SV10	240	310	1,400	550	<25	<25	40 J	170	<25	30 J	120	<25	60	ND
B6-SV14.5	180	520	2,500	980	<25	<25	30 J	160	<25	<12	120	<25	20	ND
B7-SV5	160	70	320	140	<25	<25	<25	40	<25	<12	<25	<25	<16	ND
B7-SV10	90	40	160	70	<25	<25	<25	40 J	<25	<12	<25	<25	<16	ND
B7-SV20	40	<25	80	40	<25	<25	<25	<25	<25	<12	<25	<25	<16	ND
Current Commercial/Industrial SG-TCL	2,000	4,900	440,000	440,000	NE	260,000	260,000	1,300,000	NE	420	3,900,000	NE	360	Varies

Notes:
 SG-TCL = Calculated soil gas target cleanup levels for soil gas at depth were derived by dividing the June 2020 DTSC or May 2021 EPA RSL for each compound using the 2011 attenuation factor of 0.001 for current commercial/industrial land use. DTSC RSLs are provided in the DTSC HERO Human Health Risk Assessment (HHRA) Note 3. Where DTSC RSLs were not available, EPA RSLs were utilized.

VOCs = volatile organic compounds

EPA = United States Environmental Protection Agency

µg/m³ = micrograms per cubic meter

PCE = tetrachloroethene

nPB = n-propylbenzene

TMB = trimethylbenzene

IPB = isopropylbenzene

4-IPT = 4-isopropyltoluene

ND = not detected above laboratory method detection limits (MDLs)

Values in **bold** exceed laboratory MDLs

J = estimated value detected above the laboratory MDL but below the laboratory reporting limit (RL)



FIGURES

PARTNER



PARTNER
 2154 Torrance Boulevard, Suite 200
 Torrance, California 90501
 Project Number: 21-325299.5

Legend

 Subject Property


Site Vicinity Map		
Figure	Prepared By	Date
1	S. Hanrahan	August 2021
16831 South Normandie Avenue Gardena, California 90247		



PARTNER

2154 Torrance Boulevard, Suite 200
Torrance, California 90501

Project Number: 21-325299.5



USGS Inglewood California, Quadrangle
Version: 2018 Current as of: 2021

Topographic Map

Figure	Prepared By	Date
2	S. Hanrahan	August 2021

16831 South Normandie Avenue
Gardena, California 90247

WEST 169TH STREET

Notes:
-WWTP = wastewater treatment plant

Sidewalk

16831 South Normandie Avenue (B)

16829 South Normandie Avenue (A)

SOUTH NORMANDIE AVENUE

⊙ B5

⊙ B2/B2-SV

WWTP

⊙ B1/B1-SV

Sidewalk

BRIGHTON AVENUE

Parking Lot / Equipment Storage

⊙ B3/B3-SV

⊙ B7-SV

16835-16839 South Normandie Avenue (C)

⊙ B6-SV

⊙ B4

⊙ B4-SV

Sidewalk

20 10 0 20 40
Approximate Scale: 1" = 40'

PARTNER

2154 Torrance Boulevard, Suite 200
Torrance, California 90501

Project Number: 21-325299.5



Subject Property



Boring Location



Legend

Sample Location Map

Figure	Prepared By	Date
3	S. Hanrahan	August 2021

16831 South Normandie Avenue
Gardena, California 90247

APPENDIX A: LABORATORY REPORT

PARTNER



A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C
ONTARIO, CA 91761

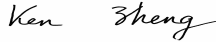
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FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CASE NARRATIVE

Authorized Signature Name / Title (print)	Ken Zheng, President
Signature / Date	 Ken Zheng, President 08/25/2021 13:19:18
Laboratory Job No. (Certificate of Analysis No.)	2108-00148
Project Name / No.	16831 Normandie Ave., Gardena, CA 90247 21-325299.4
Dates Sampled (from/to)	08/20/21 To 08/20/21
Dates Received (from/to)	08/20/21 To 08/20/21
Dates Reported (from/to)	08/25/21 To 8/25/2021
Chains of Custody Received	Yes

Comments:

Subcontracting
Organic Analyses
No analyses sub-contracted

Sample Condition(s)
All samples intact



A & R Laboratories, Inc.

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FDA#	2030513
LA City#	10261
ELAP#s	2789 2790 2122

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FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CERTIFICATE OF ANALYSIS

2108-00148

PARTNER ENGINEERING & SCIENCE
TERRI MEN
2154 TORRANCE BLVD.
SUITE 200
TORRANCE, CA 90501

Project: 16831 Normandie Ave., Gardena, CA 90247

Date Reported 08/25/21
Date Received 08/20/21
Invoice No. 92677
Cust # P122
Permit Number
Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 001 B2-SV5										Date & Time Sampled: 08/20/21 @ 10:30			
Sample Matrix: Air													
Purge Volume Sampled: 3													
[VOCs by GCMS]													
Acetone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
t-Amyl Methyl Ether (TAME)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
Benzene	0.020	0.00312	0.013	µg/L	20	3.1	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
Bromobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
Bromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
Bromodichloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
Bromoform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
Bromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
t-Butanol (TBA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
2-Butanone (MEK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
n-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
sec-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
tert-Butylbenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
Carbon Disulfide	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
Carbon Tetrachloride	<0.0033	0.00325	0.0065	µg/L	<3.3	3.3	7	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
Chlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
Chloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
Chloroform	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
Chloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
2-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
4-Chlorotoluene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
Dibromochloromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
1,2-Dibromoethane (EDB)	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
1,2-Dibromo-3-Chloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
Dibromomethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
1,2-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
1,3-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
1,4-Dichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
Dichlorodifluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.



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	2790
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CERTIFICATE OF ANALYSIS

2108-00148

PARTNER ENGINEERING & SCIENCE

TERRI MEN

2154 TORRANCE BLVD.

SUITE 200

TORRANCE, CA 90501

Project: 16831 Normandie Ave., Gardena, CA 90247

Date Reported 08/25/21

Date Received 08/20/21

Invoice No. 92677

Cust # P122

Permit Number

Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 001 B2-SV5												Date & Time Sampled: 08/20/21 @ 10:30	
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
1,1-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13		EPA 8260B	08/20/21	KZ
1,2-Dichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13		EPA 8260B	08/20/21	KZ
1,1-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13		EPA 8260B	08/20/21	KZ
cis-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13		EPA 8260B	08/20/21	KZ
trans-1,2-Dichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13		EPA 8260B	08/20/21	KZ
1,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13		EPA 8260B	08/20/21	KZ
1,3-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13		EPA 8260B	08/20/21	KZ
2,2-Dichloropropane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13		EPA 8260B	08/20/21	KZ
1,1-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13		EPA 8260B	08/20/21	KZ
cis-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13		EPA 8260B	08/20/21	KZ
trans-1,3-Dichloropropene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13		EPA 8260B	08/20/21	KZ
Diisopropyl Ether (DiPE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13		EPA 8260B	08/20/21	KZ
Ethylbenzene	1.9	0.0065	0.013	µg/L	1,900	6.5	13	µg/m3	0.13		EPA 8260B	08/20/21	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13		EPA 8260B	08/20/21	KZ
Hexachlorobutadiene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13		EPA 8260B	08/20/21	KZ
2-Hexanone	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3	0.13		EPA 8260B	08/20/21	KZ
Isopropylbenzene	0.040	0.0065	0.013	µg/L	40	6.5	13	µg/m3	0.13		EPA 8260B	08/20/21	KZ
4-Isopropyltoluene	0.010	0.0065	0.013	µg/L	10	6.5	13	µg/m3	J 0.13		EPA 8260B	08/20/21	KZ
Methylene Chloride	<0.0065	0.0065	0.01	µg/L	<6.5	6.5	10	µg/m3	0.13		EPA 8260B	08/20/21	KZ
4-Methyl-2-Pentanone (MIBK)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3	0.13		EPA 8260B	08/20/21	KZ
Methyl-t-butyl Ether (MtBE)	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13		EPA 8260B	08/20/21	KZ
Naphthalene	0.010	0.00416	0.0065	µg/L	10	4.2	7	µg/m3	0.13		EPA 8260B	08/20/21	KZ
n-Propylbenzene	0.010	0.0065	0.013	µg/L	10	6.5	13	µg/m3	J 0.13		EPA 8260B	08/20/21	KZ
Styrene	0.010	0.0065	0.013	µg/L	10	6.5	13	µg/m3	J 0.13		EPA 8260B	08/20/21	KZ
1,1,1,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13		EPA 8260B	08/20/21	KZ
1,1,2,2-Tetrachloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13		EPA 8260B	08/20/21	KZ
Tetrachloroethene	0.060	0.0065	0.013	µg/L	60	6.5	13	µg/m3	0.13		EPA 8260B	08/20/21	KZ
Toluene	0.25	0.0065	0.013	µg/L	250	6.5	13	µg/m3	0.13		EPA 8260B	08/20/21	KZ
1,2,3-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13		EPA 8260B	08/20/21	KZ
1,2,4-Trichlorobenzene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13		EPA 8260B	08/20/21	KZ

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CERTIFICATE OF ANALYSIS

2108-00148

PARTNER ENGINEERING & SCIENCE
TERRI MEN
2154 TORRANCE BLVD.
SUITE 200
TORRANCE, CA 90501

Project: 16831 Normandie Ave., Gardena, CA 90247

Date Reported 08/25/21
 Date Received 08/20/21
 Invoice No. 92677
 Cust # P122
 Permit Number
 Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 001 B2-SV5										Date & Time Sampled: 08/20/21 @ 10:30			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
1,1,1-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
1,1,2-Trichloroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
Trichloroethene	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
1,2,3-Trichloropropane	<0.0026	0.0026	0.013	µg/L	<2.6	2.6	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
Trichlorofluoromethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
Trichlorotrifluoroethane	<0.0065	0.0065	0.013	µg/L	<6.5	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
1,2,4-Trimethylbenzene	0.030	0.0065	0.013	µg/L	30	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
1,3,5-Trimethylbenzene	0.010	0.0065	0.013	µg/L	10	6.5	13	µg/m3	J 0.13	EPA 8260B	08/20/21	KZ	
Vinyl Chloride	<0.0010	0.00104	0.0065	µg/L	<1.0	1.0	7	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
m,p-Xylenes	7.2	0.013	0.026	µg/L	7,200	13.0	26	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
o-Xylene	4.2	0.0065	0.013	µg/L	4,200	6.5	13	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.0650	0.065	0.13	µg/L	<65.0	65.0	130	µg/m3	0.13	EPA 8260B	08/20/21	KZ	
[VOC Surrogates]													
Dibromofluoromethane	72		70-130	%REC						EPA 8260B	08/20/21	KZ	
Toluene-D8	118		70-130	%REC						EPA 8260B	08/20/21	KZ	
Bromofluorobenzene	130		70-130	%REC						EPA 8260B	08/20/21	KZ	

Sample: 002 B2-SV10										Date & Time Sampled: 08/20/21 @ 11:06			
Sample Matrix: Air													
Purge Volume Sampled: 3													
[VOCs by GCMS]													
Acetone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Amyl Methyl Ether (TAME)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Benzene	0.15	0.012	0.050	µg/L	150	12.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromodichloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromoform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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SUITE 200

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Date Reported 08/25/21

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Invoice No. 92677

Cust # P122

Permit Number

Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 002 B2-SV10										Date & Time Sampled: 08/20/21 @ 11:06			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
t-Butanol (TBA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Butanone (MEK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
sec-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
tert-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Disulfide	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Tetrachloride	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromoethane (EDB)	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromo-3-Chloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,4-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dichlorodifluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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Cust # P122
Permit Number
Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 002 B2-SV10 Date & Time Sampled: 08/20/21 @ 11:06													
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
cis-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Diisopropyl Ether (DiPE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethylbenzene	1.2	0.025	0.050	µg/L	1,200	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethyl-t-Butyl Ether (EtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Hexachlorobutadiene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Hexanone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Isopropylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Isopropyltoluene	0.090	0.025	0.050	µg/L	90	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Methylene Chloride	<0.0250	0.025	0.05	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Methyl-2-Pentanone (MIBK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Methyl-t-butyl Ether (MtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Naphthalene	0.070	0.016	0.025	µg/L	70	16.0	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Propylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Styrene	0.21	0.025	0.050	µg/L	210	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,1,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,2,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Tetrachloroethene	0.66	0.025	0.050	µg/L	660	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Toluene	0.79	0.025	0.050	µg/L	790	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,3-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,4-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,1-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,2-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,3-Trichloropropene	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichlorofluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichlorotrifluoroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,4-Trimethylbenzene	0.19	0.025	0.050	µg/L	190	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3,5-Trimethylbenzene	0.10	0.025	0.050	µg/L	100	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Vinyl Chloride	<0.0040	0.004	0.025	µg/L	<4.0	4.0	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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SUITE 200
TORRANCE, CA 90501

Project: 16831 Normandie Ave., Gardena, CA 90247

Date Reported 08/25/21
Date Received 08/20/21
Invoice No. 92677
Cust # P122
Permit Number
Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 002 B2-SV10 Date & Time Sampled: 08/20/21 @ 11:06 Sample Matrix: Air Purge Volume Sampled: 3continued													
m,p-Xylenes	5.3	0.05	0.10	µg/L	5,300	50.0	100	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
o-Xylene	2.4	0.025	0.050	µg/L	2,400	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Surrogates]													
Dibromofluoromethane	89		70-130	%REC						EPA 8260B	08/20/21	KZ	
Toluene-D8	108		70-130	%REC						EPA 8260B	08/20/21	KZ	
Bromofluorobenzene	122		70-130	%REC						EPA 8260B	08/20/21	KZ	
Sample: 003 B2-SV20 Date & Time Sampled: 08/20/21 @ 11:30 Sample Matrix: Air Purge Volume Sampled: 3													
[VOCs by GCMS]													
Acetone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Amyl Methyl Ether (TAME)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Benzene	<0.0120	0.012	0.050	µg/L	<12.0	12.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromodichloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromoform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Butanol (TBA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Butanone (MEK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
sec-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
tert-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Disulfide	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Tetrachloride	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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FDA#	2030513
LA City#	10261
ELAP#s	2789
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CERTIFICATE OF ANALYSIS

2108-00148

PARTNER ENGINEERING & SCIENCE
TERRI MEN
2154 TORRANCE BLVD.
SUITE 200
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Project: 16831 Normandie Ave., Gardena, CA 90247

Date Reported 08/25/21
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Invoice No. 92677
Cust # P122
Permit Number
Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 003 B2-SV20										Date & Time Sampled: 08/20/21 @ 11:30			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
Chloroform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromoethane (EDB)	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromo-3-Chloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,4-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dichlorodifluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Diisopropyl Ether (DiPE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethylbenzene	0.060	0.025	0.050	µg/L	60	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethyl-t-Butyl Ether (EtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Hexachlorobutadiene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Hexanone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Isopropylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Isopropyltoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 003 B2-SV20										Date & Time Sampled: 08/20/21 @ 11:30			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
Methylene Chloride	<0.0250	0.025	0.05	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
4-Methyl-2-Pentanone (MIBK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Methyl-t-butyl Ether (MtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Naphthalene	<0.0160	0.016	0.025	µg/L	<16.0	16.0	25	µg/m3		0.50	EPA 8260B	08/20/21	KZ
n-Propylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Styrene	0.040	0.025	0.050	µg/L	40	25.0	50	µg/m3	J	0.50	EPA 8260B	08/20/21	KZ
1,1,1,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,1,2,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Tetrachloroethene	0.080	0.025	0.050	µg/L	80	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Toluene	0.18	0.025	0.050	µg/L	180	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,2,3-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,2,4-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,1,1-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,1,2-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Trichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,2,3-Trichloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Trichlorofluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Trichlorotrifluoroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,2,4-Trimethylbenzene	0.030	0.025	0.050	µg/L	30	25.0	50	µg/m3	J	0.50	EPA 8260B	08/20/21	KZ
1,3,5-Trimethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Vinyl Chloride	<0.0040	0.004	0.025	µg/L	<4.0	4.0	25	µg/m3		0.50	EPA 8260B	08/20/21	KZ
m,p-Xylenes	0.26	0.05	0.10	µg/L	260	50.0	100	µg/m3		0.50	EPA 8260B	08/20/21	KZ
o-Xylene	0.14	0.025	0.050	µg/L	140	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3		0.50	EPA 8260B	08/20/21	KZ
[VOC Surrogates]													
Dibromofluoromethane	86		70-130	%REC							EPA 8260B	08/20/21	KZ
Toluene-D8	109		70-130	%REC							EPA 8260B	08/20/21	KZ
Bromofluorobenzene	122		70-130	%REC							EPA 8260B	08/20/21	KZ

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Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 004 B1-SV5 Date & Time Sampled: 08/20/21 @ 11:55 Sample Matrix: Air Purge Volume Sampled: 3													
[VOCs by GCMS]													
Acetone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Amyl Methyl Ether (TAME)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Benzene	<0.0120	0.012	0.050	µg/L	<12.0	12.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromodichloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromoform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Butanol (TBA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Butanone (MEK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
sec-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
tert-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Disulfide	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Tetrachloride	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromoethane (EDB)	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromo-3-Chloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,4-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dichlorodifluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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FDA#	2030513
LA City#	10261
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CERTIFICATE OF ANALYSIS

2108-00148

PARTNER ENGINEERING & SCIENCE
TERRI MEN
2154 TORRANCE BLVD.
SUITE 200
TORRANCE, CA 90501

Date Reported 08/25/21
Date Received 08/20/21
Invoice No. 92677
Cust # P122
Permit Number
Customer P.O. 21-325299.4

Project: 16831 Normandie Ave., Gardena, CA 90247

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 004 B1-SV5										Date & Time Sampled: 08/20/21 @ 11:55			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
1,1-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Diisopropyl Ether (DiPE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethylbenzene	0.65	0.025	0.050	µg/L	650	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethyl-t-Butyl Ether (EtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Hexachlorobutadiene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Hexanone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Isopropylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Isopropyltoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Methylene Chloride	<0.0250	0.025	0.05	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Methyl-2-Pentanone (MIBK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Methyl-t-butyl Ether (MtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Naphthalene	<0.0160	0.016	0.025	µg/L	<16.0	16.0	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Propylbenzene	0.060	0.025	0.050	µg/L	60	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Styrene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,1,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,2,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Tetrachloroethene	0.030	0.025	0.050	µg/L	30	25.0	50	µg/m3	J 0.50	EPA 8260B	08/20/21	KZ	
Toluene	0.11	0.025	0.050	µg/L	110	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,3-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,4-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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CERTIFICATE OF ANALYSIS

2108-00148

PARTNER ENGINEERING & SCIENCE
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2154 TORRANCE BLVD.
SUITE 200
TORRANCE, CA 90501

Project: 16831 Normandie Ave., Gardena, CA 90247

Date Reported 08/25/21
Date Received 08/20/21
Invoice No. 92677
Cust # P122
Permit Number
Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 004 B1-SV5										Date & Time Sampled: 08/20/21 @ 11:55			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
1,1,1-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,2-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,3-Trichloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichlorofluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichlorotrifluoroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,4-Trimethylbenzene	0.36	0.025	0.050	µg/L	360	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3,5-Trimethylbenzene	0.13	0.025	0.050	µg/L	130	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Vinyl Chloride	<0.0040	0.004	0.025	µg/L	<4.0	4.0	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
m,p-Xylenes	3.4	0.05	0.10	µg/L	3,400	50.0	100	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
o-Xylene	1.7	0.025	0.050	µg/L	1,700	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Surrogates]													
Dibromofluoromethane	79		70-130	%REC						EPA 8260B	08/20/21	KZ	
Toluene-D8	111		70-130	%REC						EPA 8260B	08/20/21	KZ	
Bromofluorobenzene	128		70-130	%REC						EPA 8260B	08/20/21	KZ	

Sample: 005 B1-SV10										Date & Time Sampled: 08/20/21 @ 12:18			
Sample Matrix: Air													
Purge Volume Sampled: 3													
[VOCs by GCMS]													
Acetone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Amyl Methyl Ether (TAME)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Benzene	<0.0120	0.012	0.050	µg/L	<12.0	12.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromodichloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromoform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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Project: 16831 Normandie Ave., Gardena, CA 90247

Date Reported 08/25/21
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Invoice No. 92677
Cust # P122
Permit Number
Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 005 B1-SV10										Date & Time Sampled: 08/20/21 @ 12:18			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
t-Butanol (TBA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Butanone (MEK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
sec-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
tert-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Disulfide	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Tetrachloride	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromoethane (EDB)	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromo-3-Chloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,4-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dichlorodifluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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Cust # P122

Permit Number

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Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 005 B1-SV10										Date & Time Sampled: 08/20/21 @ 12:18			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
cis-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
trans-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Diisopropyl Ether (DiPE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Ethylbenzene	0.040	0.025	0.050	µg/L	40	25.0	50	µg/m3	J	0.50	EPA 8260B	08/20/21	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Hexachlorobutadiene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
2-Hexanone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Isopropylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
4-Isopropyltoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Methylene Chloride	<0.0250	0.025	0.05	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
4-Methyl-2-Pentanone (MIBK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Methyl-t-butyl Ether (MtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Naphthalene	<0.0160	0.016	0.025	µg/L	<16.0	16.0	25	µg/m3		0.50	EPA 8260B	08/20/21	KZ
n-Propylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Styrene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,1,1,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,1,2,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Tetrachloroethene	0.050	0.025	0.050	µg/L	50	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Toluene	0.040	0.025	0.050	µg/L	40	25.0	50	µg/m3	J	0.50	EPA 8260B	08/20/21	KZ
1,2,3-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,2,4-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,1,1-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,1,2-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Trichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,2,3-Trichloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Trichlorofluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Trichlorotrifluoroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,2,4-Trimethylbenzene	0.080	0.025	0.050	µg/L	80	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,3,5-Trimethylbenzene	0.030	0.025	0.050	µg/L	30	25.0	50	µg/m3	J	0.50	EPA 8260B	08/20/21	KZ
Vinyl Chloride	<0.0040	0.004	0.025	µg/L	<4.0	4.0	25	µg/m3		0.50	EPA 8260B	08/20/21	KZ

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CERTIFICATE OF ANALYSIS

2108-00148

PARTNER ENGINEERING & SCIENCE
TERRI MEN
2154 TORRANCE BLVD.
SUITE 200
TORRANCE, CA 90501

Project: 16831 Normandie Ave., Gardena, CA 90247

Date Reported 08/25/21
Date Received 08/20/21
Invoice No. 92677
Cust # P122
Permit Number
Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 005 B1-SV10 Date & Time Sampled: 08/20/21 @ 12:18 Sample Matrix: Air Purge Volume Sampled: 3continued													
m,p-Xylenes	0.23	0.05	0.10	µg/L	230	50.0	100	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
o-Xylene	0.14	0.025	0.050	µg/L	140	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Surrogates]													
Dibromofluoromethane	85		70-130	%REC						EPA 8260B	08/20/21	KZ	
Toluene-D8	111		70-130	%REC						EPA 8260B	08/20/21	KZ	
Bromofluorobenzene	123		70-130	%REC						EPA 8260B	08/20/21	KZ	
Sample: 006 B1-SV20 Date & Time Sampled: 08/20/21 @ 12:40 Sample Matrix: Air Purge Volume Sampled: 3													
[VOCs by GCMS]													
Acetone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Amyl Methyl Ether (TAME)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Benzene	<0.0120	0.012	0.050	µg/L	<12.0	12.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromodichloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromoform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Butanol (TBA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Butanone (MEK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
sec-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
tert-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Disulfide	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Tetrachloride	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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Date Reported 08/25/21
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 Invoice No. 92677
 Cust # P122
 Permit Number
 Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 006 B1-SV20										Date & Time Sampled: 08/20/21 @ 12:40			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
Chloroform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromoethane (EDB)	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromo-3-Chloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,4-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dichlorodifluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Diisopropyl Ether (DiPE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethyl-t-Butyl Ether (EtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Hexachlorobutadiene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Hexanone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Isopropylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Isopropyltoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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2108-00148

PARTNER ENGINEERING & SCIENCE
TERRI MEN
2154 TORRANCE BLVD.
SUITE 200
TORRANCE, CA 90501

Date Reported 08/25/21
Date Received 08/20/21
Invoice No. 92677
Cust # P122
Permit Number
Customer P.O. 21-325299.4

Project: 16831 Normandie Ave., Gardena, CA 90247

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 006 B1-SV20 Date & Time Sampled: 08/20/21 @ 12:40													
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
Methylene Chloride	<0.0250	0.025	0.05	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
4-Methyl-2-Pentanone (MIBK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Methyl-t-butyl Ether (MtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Naphthalene	<0.0160	0.016	0.025	µg/L	<16.0	16.0	25	µg/m3		0.50	EPA 8260B	08/20/21	KZ
n-Propylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Styrene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,1,1,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,1,2,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Tetrachloroethene	0.030	0.025	0.050	µg/L	30	25.0	50	µg/m3	J	0.50	EPA 8260B	08/20/21	KZ
Toluene	0.030	0.025	0.050	µg/L	30	25.0	50	µg/m3	J	0.50	EPA 8260B	08/20/21	KZ
1,2,3-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,2,4-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,1,1-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,1,2-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Trichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,2,3-Trichloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Trichlorofluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Trichlorotrifluoroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,2,4-Trimethylbenzene	0.050	0.025	0.050	µg/L	50	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,3,5-Trimethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Vinyl Chloride	<0.0040	0.004	0.025	µg/L	<4.0	4.0	25	µg/m3		0.50	EPA 8260B	08/20/21	KZ
m,p-Xylenes	0.090	0.05	0.10	µg/L	90	50.0	100	µg/m3	J	0.50	EPA 8260B	08/20/21	KZ
o-Xylene	0.050	0.025	0.050	µg/L	50	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3		0.50	EPA 8260B	08/20/21	KZ
[VOC Surrogates]													
Dibromofluoromethane	86		70-130	%REC							EPA 8260B	08/20/21	KZ
Toluene-D8	109		70-130	%REC							EPA 8260B	08/20/21	KZ
Bromofluorobenzene	122		70-130	%REC							EPA 8260B	08/20/21	KZ

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Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 007 B4A-SV5										Date & Time Sampled: 08/20/21 @ 13:05			
Sample Matrix: Air													
Purge Volume Sampled: 3													
[VOCs by GCMS]													
Acetone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Amyl Methyl Ether (TAME)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Benzene	<0.0120	0.012	0.050	µg/L	<12.0	12.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromodichloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromoform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Butanol (TBA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Butanone (MEK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
sec-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
tert-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Disulfide	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Tetrachloride	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromoethane (EDB)	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromo-3-Chloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,4-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dichlorodifluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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CERTIFICATE OF ANALYSIS

2108-00148

PARTNER ENGINEERING & SCIENCE
TERRI MEN
2154 TORRANCE BLVD.
SUITE 200
TORRANCE, CA 90501

Project: 16831 Normandie Ave., Gardena, CA 90247

Date Reported 08/25/21
 Date Received 08/20/21
 Invoice No. 92677
 Cust # P122
 Permit Number
 Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 007 B4A-SV5										Date & Time Sampled: 08/20/21 @ 13:05			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
1,1-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
1,2-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
1,1-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
cis-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
trans-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
1,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
1,3-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
2,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
1,1-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
cis-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
trans-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
Diisopropyl Ether (DiPE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
Ethylbenzene	0.10	0.025	0.050	µg/L	100	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
Hexachlorobutadiene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
2-Hexanone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50		EPA 8260B	08/20/21	KZ
Isopropylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
4-Isopropyltoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
Methylene Chloride	<0.0250	0.025	0.05	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
4-Methyl-2-Pentanone (MIBK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50		EPA 8260B	08/20/21	KZ
Methyl-t-butyl Ether (MtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
Naphthalene	<0.0160	0.016	0.025	µg/L	<16.0	16.0	25	µg/m3	0.50		EPA 8260B	08/20/21	KZ
n-Propylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
Styrene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
1,1,1,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
1,1,2,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
Tetrachloroethene	0.040	0.025	0.050	µg/L	40	25.0	50	µg/m3	J 0.50		EPA 8260B	08/20/21	KZ
Toluene	0.040	0.025	0.050	µg/L	40	25.0	50	µg/m3	J 0.50		EPA 8260B	08/20/21	KZ
1,2,3-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
1,2,4-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ

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SUITE 200
TORRANCE, CA 90501

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Date Reported 08/25/21
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 Cust # P122
 Permit Number
 Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 007 B4A-SV5										Date & Time Sampled: 08/20/21 @ 13:05			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
1,1,1-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,2-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,3-Trichloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichlorofluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichlorotrifluoroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,4-Trimethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3,5-Trimethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Vinyl Chloride	<0.0040	0.004	0.025	µg/L	<4.0	4.0	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
m,p-Xylenes	0.46	0.05	0.10	µg/L	460	50.0	100	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
o-Xylene	0.16	0.025	0.050	µg/L	160	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Surrogates]													
Dibromofluoromethane	84		70-130	%REC						EPA 8260B	08/20/21	KZ	
Toluene-D8	109		70-130	%REC						EPA 8260B	08/20/21	KZ	
Bromofluorobenzene	121		70-130	%REC						EPA 8260B	08/20/21	KZ	

Sample: 008 B4A-SV10										Date & Time Sampled: 08/20/21 @ 13:30			
Sample Matrix: Air													
Purge Volume Sampled: 3													
[VOCs by GCMS]													
Acetone	<0.1250	0.125	0.25	µg/L		125.0	250	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
t-Amyl Methyl Ether (TAME)	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
Benzene	<0.0060	0.006	0.025	µg/L		6.0	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
Bromobenzene	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
Bromochloromethane	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
Bromodichloromethane	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
Bromoform	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
Bromomethane	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	

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PARTNER ENGINEERING & SCIENCE
TERRI MEN
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Invoice No. 92677
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Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 008 B4A-SV10										Date & Time Sampled: 08/20/21 @ 13:30			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
t-Butanol (TBA)	<0.1250	0.125	0.25	µg/L	125.0	250	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
2-Butanone (MEK)	<0.1250	0.125	0.25	µg/L	125.0	250	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
n-Butylbenzene	<0.0125	0.0125	0.025	µg/L	12.5	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
sec-Butylbenzene	<0.0125	0.0125	0.025	µg/L	12.5	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
tert-Butylbenzene	<0.0125	0.0125	0.025	µg/L	12.5	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
Carbon Disulfide	<0.1250	0.125	0.25	µg/L	125.0	250	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
Carbon Tetrachloride	<0.0063	0.00625	0.013	µg/L	6.3	13	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
Chlorobenzene	<0.0125	0.0125	0.025	µg/L	12.5	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
Chloroethane	<0.0125	0.0125	0.025	µg/L	12.5	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
Chloroform	<0.0125	0.0125	0.025	µg/L	12.5	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
Chloromethane	<0.0125	0.0125	0.025	µg/L	12.5	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
2-Chlorotoluene	<0.0125	0.0125	0.025	µg/L	12.5	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
4-Chlorotoluene	<0.0125	0.0125	0.025	µg/L	12.5	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
Dibromochloromethane	<0.0125	0.0125	0.025	µg/L	12.5	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
1,2-Dibromoethane (EDB)	<0.0050	0.005	0.025	µg/L	5.0	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
1,2-Dibromo-3-Chloropropane	<0.0050	0.005	0.025	µg/L	5.0	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
Dibromomethane	<0.0125	0.0125	0.025	µg/L	12.5	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
1,2-Dichlorobenzene	<0.0125	0.0125	0.025	µg/L	12.5	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
1,3-Dichlorobenzene	<0.0125	0.0125	0.025	µg/L	12.5	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
1,4-Dichlorobenzene	<0.0125	0.0125	0.025	µg/L	12.5	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
Dichlorodifluoromethane	<0.0125	0.0125	0.025	µg/L	12.5	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
1,1-Dichloroethane	<0.0125	0.0125	0.025	µg/L	12.5	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
1,2-Dichloroethane	<0.0125	0.0125	0.025	µg/L	12.5	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
1,1-Dichloroethene	<0.0125	0.0125	0.025	µg/L	12.5	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
cis-1,2-Dichloroethene	<0.0125	0.0125	0.025	µg/L	12.5	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
trans-1,2-Dichloroethene	<0.0125	0.0125	0.025	µg/L	12.5	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
1,2-Dichloropropane	<0.0125	0.0125	0.025	µg/L	12.5	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
1,3-Dichloropropane	<0.0125	0.0125	0.025	µg/L	12.5	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
2,2-Dichloropropane	<0.0125	0.0125	0.025	µg/L	12.5	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	
1,1-Dichloropropene	<0.0125	0.0125	0.025	µg/L	12.5	25	µg/m3	0.25	EPA 8260B		08/20/21	KZ	

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Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 008 B4A-SV10										Date & Time Sampled: 08/20/21 @ 13:30			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
cis-1,3-Dichloropropene	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
trans-1,3-Dichloropropene	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
Diisopropyl Ether (DiPE)	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
Ethylbenzene	0.25	0.0125	0.025	µg/L	250	12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
Ethyl-t-Butyl Ether (EtBE)	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
Hexachlorobutadiene	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
2-Hexanone	<0.1250	0.125	0.25	µg/L		125.0	250	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
Isopropylbenzene	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
4-Isopropyltoluene	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
Methylene Chloride	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
4-Methyl-2-Pentanone (MIBK)	<0.1250	0.125	0.25	µg/L		125.0	250	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
Methyl-t-butyl Ether (MtBE)	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
Naphthalene	<0.0080	0.008	0.013	µg/L		8.0	13	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
n-Propylbenzene	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
Styrene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
1,1,1,2-Tetrachloroethane	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
1,1,2,2-Tetrachloroethane	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
Tetrachloroethene	0.020	0.0125	0.025	µg/L	20	12.5	25	µg/m3	J 0.25	EPA 8260B	08/20/21	KZ	
Toluene	0.030	0.0125	0.025	µg/L	30	12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
1,2,3-Trichlorobenzene	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
1,2,4-Trichlorobenzene	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
1,1,1-Trichloroethane	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
1,1,2-Trichloroethane	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
Trichloroethene	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
1,2,3-Trichloropropane	<0.0050	0.005	0.025	µg/L		5.0	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
Trichlorofluoromethane	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
Trichlorotrifluoroethane	<0.0125	0.0125	0.025	µg/L		12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
1,2,4-Trimethylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
1,3,5-Trimethylbenzene	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3	0.25	EPA 8260B	08/20/21	KZ	
Vinyl Chloride	<0.0020	0.002	0.013	µg/L		2.0	13	µg/m3	0.25	EPA 8260B	08/20/21	KZ	

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FDA#	2030513
LA City#	10261
ELAP#s	2789 2790 2122

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CERTIFICATE OF ANALYSIS

2108-00148

PARTNER ENGINEERING & SCIENCE
TERRI MEN
2154 TORRANCE BLVD.
SUITE 200
TORRANCE, CA 90501

Project: 16831 Normandie Ave., Gardena, CA 90247

Date Reported 08/25/21
 Date Received 08/20/21
 Invoice No. 92677
 Cust # P122
 Permit Number
 Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 008 B4A-SV10										Date & Time Sampled: 08/20/21 @ 13:30			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
m,p-Xylenes	1.2	0.025	0.050	µg/L	1,200	25.0	50	µg/m3	0.25		EPA 8260B	08/20/21	KZ
o-Xylene	0.42	0.0125	0.025	µg/L	420	12.5	25	µg/m3	0.25		EPA 8260B	08/20/21	KZ
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.1250	0.125	0.25	µg/L		125.0	250	µg/m3	0.25		EPA 8260B	08/20/21	KZ
[VOC Surrogates]													
Dibromofluoromethane	85		70-130	%REC							EPA 8260B	08/20/21	KZ
Toluene-D8	109		70-130	%REC							EPA 8260B	08/20/21	KZ
Bromofluorobenzene	124		70-130	%REC							EPA 8260B	08/20/21	KZ
Sample: 009 B4A-SV20										Date & Time Sampled: 08/20/21 @ 13:58			
Sample Matrix: Air													
Purge Volume Sampled: 3													
[VOCs by GCMS]													
Acetone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50		EPA 8260B	08/20/21	KZ
t-Amyl Methyl Ether (TAME)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
Benzene	0.020	0.012	0.050	µg/L	20	12.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
Bromobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
Bromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
Bromodichloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
Bromoform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
Bromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
t-Butanol (TBA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50		EPA 8260B	08/20/21	KZ
2-Butanone (MEK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50		EPA 8260B	08/20/21	KZ
n-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
sec-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
tert-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
Carbon Disulfide	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50		EPA 8260B	08/20/21	KZ
Carbon Tetrachloride	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3	0.50		EPA 8260B	08/20/21	KZ
Chlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ
Chloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50		EPA 8260B	08/20/21	KZ

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Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 009 B4A-SV20										Date & Time Sampled: 08/20/21 @ 13:58			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
Chloroform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromoethane (EDB)	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromo-3-Chloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,4-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dichlorodifluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Diisopropyl Ether (DiPE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethylbenzene	4.8	0.025	0.050	µg/L	4,800	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethyl-t-Butyl Ether (EtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Hexachlorobutadiene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Hexanone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Isopropylbenzene	0.050	0.025	0.050	µg/L	50	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Isopropyltoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 009 B4A-SV20										Date & Time Sampled: 08/20/21 @ 13:58			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
Methylene Chloride	<0.0250	0.025	0.05	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Methyl-2-Pentanone (MIBK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Methyl-t-butyl Ether (MtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Naphthalene	<0.0160	0.016	0.025	µg/L	<16.0	16.0	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Propylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Styrene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,1,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,2,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Tetrachloroethene	0.050	0.025	0.050	µg/L	50	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Toluene	0.12	0.025	0.050	µg/L	120	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,3-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,4-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,1-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,2-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,3-Trichloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichlorofluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichlorotrifluoroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,4-Trimethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3,5-Trimethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Vinyl Chloride	<0.0040	0.004	0.025	µg/L	<4.0	4.0	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
m,p-Xylenes	19	0.05	0.10	µg/L	19,000	50.0	100	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
o-Xylene	6.8	0.025	0.050	µg/L	6,800	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Surrogates]													
Dibromofluoromethane	81		70-130	%REC						EPA 8260B	08/20/21	KZ	
Toluene-D8	111		70-130	%REC						EPA 8260B	08/20/21	KZ	
Bromofluorobenzene	130		70-130	%REC						EPA 8260B	08/20/21	KZ	

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FDA#	2030513
LA City#	10261
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CERTIFICATE OF ANALYSIS

2108-00148

PARTNER ENGINEERING & SCIENCE
TERRI MEN
2154 TORRANCE BLVD.
SUITE 200
TORRANCE, CA 90501

Project: 16831 Normandie Ave., Gardena, CA 90247

Date Reported 08/25/21
Date Received 08/20/21
Invoice No. 92677
Cust # P122
Permit Number
Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 010 B7-SV5 Date & Time Sampled: 08/20/21 @ 14:25 Sample Matrix: Air Purge Volume Sampled: 3													
[VOCs by GCMS]													
Acetone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Amyl Methyl Ether (TAME)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Benzene	<0.0120	0.012	0.050	µg/L	<12.0	12.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromodichloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromoform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Butanol (TBA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Butanone (MEK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
sec-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
tert-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Disulfide	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Tetrachloride	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromoethane (EDB)	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromo-3-Chloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,4-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dichlorodifluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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PARTNER ENGINEERING & SCIENCE
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TORRANCE, CA 90501

Project: 16831 Normandie Ave., Gardena, CA 90247

Date Reported 08/25/21
Date Received 08/20/21
Invoice No. 92677
Cust # P122
Permit Number
Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 010 B7-SV5 Date & Time Sampled: 08/20/21 @ 14:25													
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
1,1-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Diisopropyl Ether (DiPE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethylbenzene	0.070	0.025	0.050	µg/L	70	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethyl-t-Butyl Ether (EtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Hexachlorobutadiene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Hexanone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Isopropylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Isopropyltoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Methylene Chloride	<0.0250	0.025	0.05	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Methyl-2-Pentanone (MIBK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Methyl-t-butyl Ether (MtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Naphthalene	<0.0160	0.016	0.025	µg/L	<16.0	16.0	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Propylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Styrene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,1,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,2,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Tetrachloroethene	0.16	0.025	0.050	µg/L	160	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Toluene	0.040	0.025	0.050	µg/L	40	25.0	50	µg/m3	J 0.50	EPA 8260B	08/20/21	KZ	
1,2,3-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,4-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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Date Reported 08/25/21
Date Received 08/20/21
Invoice No. 92677
Cust # P122
Permit Number
Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 010 B7-SV5										Date & Time Sampled: 08/20/21 @ 14:25			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
1,1,1-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,2-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,3-Trichloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichlorofluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichlorotrifluoroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,4-Trimethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3,5-Trimethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Vinyl Chloride	<0.0040	0.004	0.025	µg/L	<4.0	4.0	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
m,p-Xylenes	0.32	0.05	0.10	µg/L	320	50.0	100	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
o-Xylene	0.14	0.025	0.050	µg/L	140	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Surrogates]													
Dibromofluoromethane	81		70-130	%REC						EPA 8260B	08/20/21	KZ	
Toluene-D8	111		70-130	%REC						EPA 8260B	08/20/21	KZ	
Bromofluorobenzene	130		70-130	%REC						EPA 8260B	08/20/21	KZ	

Sample: 011 B7-SV10										Date & Time Sampled: 08/20/21 @ 14:50			
Sample Matrix: Air													
Purge Volume Sampled: 3													
[VOCs by GCMS]													
Acetone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Amyl Methyl Ether (TAME)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Benzene	<0.0120	0.012	0.050	µg/L	<12.0	12.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromodichloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromoform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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Cust # P122
Permit Number
Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 011 B7-SV10										Date & Time Sampled: 08/20/21 @ 14:50			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
t-Butanol (TBA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Butanone (MEK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
sec-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
tert-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Disulfide	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Tetrachloride	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromoethane (EDB)	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromo-3-Chloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,4-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dichlorodifluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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CERTIFICATE OF ANALYSIS

2108-00148

PARTNER ENGINEERING & SCIENCE
TERRI MEN
2154 TORRANCE BLVD.
SUITE 200
TORRANCE, CA 90501

Project: 16831 Normandie Ave., Gardena, CA 90247

Date Reported 08/25/21
 Date Received 08/20/21
 Invoice No. 92677
 Cust # P122
 Permit Number
 Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 011 B7-SV10										Date & Time Sampled: 08/20/21 @ 14:50			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
cis-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
trans-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Diisopropyl Ether (DiPE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Ethylbenzene	0.040	0.025	0.050	µg/L	40	25.0	50	µg/m3	J	0.50	EPA 8260B	08/20/21	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Hexachlorobutadiene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
2-Hexanone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Isopropylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
4-Isopropyltoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Methylene Chloride	<0.0250	0.025	0.05	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
4-Methyl-2-Pentanone (MIBK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Methyl-t-butyl Ether (MtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Naphthalene	<0.0160	0.016	0.025	µg/L	<16.0	16.0	25	µg/m3		0.50	EPA 8260B	08/20/21	KZ
n-Propylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Styrene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,1,1,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,1,2,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Tetrachloroethene	0.090	0.025	0.050	µg/L	90	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Toluene	0.040	0.025	0.050	µg/L	40	25.0	50	µg/m3	J	0.50	EPA 8260B	08/20/21	KZ
1,2,3-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,2,4-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,1,1-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,1,2-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Trichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,2,3-Trichloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Trichlorofluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Trichlorotrifluoroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,2,4-Trimethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,3,5-Trimethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Vinyl Chloride	<0.0040	0.004	0.025	µg/L	<4.0	4.0	25	µg/m3		0.50	EPA 8260B	08/20/21	KZ

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Date Reported 08/25/21
 Date Received 08/20/21
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 Cust # P122
 Permit Number
 Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 011 B7-SV10 Date & Time Sampled: 08/20/21 @ 14:50 Sample Matrix: Air Purge Volume Sampled: 3continued													
m,p-Xylenes	0.16	0.05	0.10	µg/L	160	50.0	100	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
o-Xylene	0.070	0.025	0.050	µg/L	70	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Surrogates]													
Dibromofluoromethane	85		70-130	%REC						EPA 8260B	08/20/21	KZ	
Toluene-D8	110		70-130	%REC						EPA 8260B	08/20/21	KZ	
Bromofluorobenzene	130		70-130	%REC						EPA 8260B	08/20/21	KZ	
Sample: 012 B7-SV20 Date & Time Sampled: 08/20/21 @ 15:25 Sample Matrix: Air Purge Volume Sampled: 3													
[VOCs by GCMS]													
Acetone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Amyl Methyl Ether (TAME)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Benzene	<0.0120	0.012	0.050	µg/L	<12.0	12.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromodichloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromoform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Butanol (TBA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Butanone (MEK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
sec-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
tert-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Disulfide	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Tetrachloride	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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Project: 16831 Normandie Ave., Gardena, CA 90247

Date Reported 08/25/21
Date Received 08/20/21
Invoice No. 92677
Cust # P122
Permit Number
Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 012 B7-SV20										Date & Time Sampled: 08/20/21 @ 15:25			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
Chloroform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromoethane (EDB)	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromo-3-Chloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,4-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dichlorodifluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Diisopropyl Ether (DiPE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethyl-t-Butyl Ether (EtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Hexachlorobutadiene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Hexanone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Isopropylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Isopropyltoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 012 B7-SV20										Date & Time Sampled: 08/20/21 @ 15:25			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
Methylene Chloride	<0.0250	0.025	0.05	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
4-Methyl-2-Pentanone (MIBK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Methyl-t-butyl Ether (MtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Naphthalene	<0.0160	0.016	0.025	µg/L	<16.0	16.0	25	µg/m3		0.50	EPA 8260B	08/20/21	KZ
n-Propylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Styrene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,1,1,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,1,2,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Tetrachloroethene	0.040	0.025	0.050	µg/L	40	25.0	50	µg/m3	J	0.50	EPA 8260B	08/20/21	KZ
Toluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,2,3-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,2,4-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,1,1-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,1,2-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Trichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,2,3-Trichloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Trichlorofluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Trichlorotrifluoroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,2,4-Trimethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,3,5-Trimethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Vinyl Chloride	<0.0040	0.004	0.025	µg/L	<4.0	4.0	25	µg/m3		0.50	EPA 8260B	08/20/21	KZ
m,p-Xylenes	0.080	0.05	0.10	µg/L	80	50.0	100	µg/m3	J	0.50	EPA 8260B	08/20/21	KZ
o-Xylene	0.040	0.025	0.050	µg/L	40	25.0	50	µg/m3	J	0.50	EPA 8260B	08/20/21	KZ
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3		0.50	EPA 8260B	08/20/21	KZ
[VOC Surrogates]													
Dibromofluoromethane	85		70-130	%REC							EPA 8260B	08/20/21	KZ
Toluene-D8	109		70-130	%REC							EPA 8260B	08/20/21	KZ
Bromofluorobenzene	122		70-130	%REC							EPA 8260B	08/20/21	KZ

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CERTIFICATE OF ANALYSIS

2108-00148

PARTNER ENGINEERING & SCIENCE
TERRI MEN
2154 TORRANCE BLVD.
SUITE 200
TORRANCE, CA 90501

Project: 16831 Normandie Ave., Gardena, CA 90247

Date Reported 08/25/21
Date Received 08/20/21
Invoice No. 92677
Cust # P122
Permit Number
Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 013 B3-SV5 Date & Time Sampled: 08/20/21 @ 15:52 Sample Matrix: Air Purge Volume Sampled: 3													
[VOCs by GCMS]													
Acetone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Amyl Methyl Ether (TAME)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Benzene	<0.0120	0.012	0.050	µg/L	<12.0	12.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromodichloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromoform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Butanol (TBA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Butanone (MEK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
sec-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
tert-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Disulfide	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Tetrachloride	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromoethane (EDB)	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromo-3-Chloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,4-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dichlorodifluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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Date Reported 08/25/21
Date Received 08/20/21
Invoice No. 92677
Cust # P122
Permit Number
Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 013 B3-SV5										Date & Time Sampled: 08/20/21 @ 15:52			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
1,1-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Diisopropyl Ether (DiPE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethylbenzene	0.040	0.025	0.050	µg/L	40	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethyl-t-Butyl Ether (EtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Hexachlorobutadiene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Hexanone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Isopropylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Isopropyltoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Methylene Chloride	<0.0250	0.025	0.05	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Methyl-2-Pentanone (MIBK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Methyl-t-butyl Ether (MtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Naphthalene	<0.0160	0.016	0.025	µg/L	<16.0	16.0	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Propylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Styrene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,1,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,2,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Tetrachloroethene	0.15	0.025	0.050	µg/L	150	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Toluene	0.12	0.025	0.050	µg/L	120	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,3-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,4-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 013 B3-SV5										Date & Time Sampled: 08/20/21 @ 15:52			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
1,1,1-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,2-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,3-Trichloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichlorofluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichlorotrifluoroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,4-Trimethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3,5-Trimethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Vinyl Chloride	<0.0040	0.004	0.025	µg/L	<4.0	4.0	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
m,p-Xylenes	0.16	0.05	0.10	µg/L	160	50.0	100	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
o-Xylene	0.070	0.025	0.050	µg/L	70	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Surrogates]													
Dibromofluoromethane	82		70-130	%REC						EPA 8260B	08/20/21	KZ	
Toluene-D8	106		70-130	%REC						EPA 8260B	08/20/21	KZ	
Bromofluorobenzene	123		70-130	%REC						EPA 8260B	08/20/21	KZ	

Sample: 014 B3-SV10										Date & Time Sampled: 08/20/21 @ 15:58			
Sample Matrix: Air													
Purge Volume Sampled: 3													
[VOCs by GCMS]													
Acetone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Amyl Methyl Ether (TAME)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Benzene	<0.0120	0.012	0.050	µg/L	<12.0	12.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromodichloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromoform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 014 B3-SV10										Date & Time Sampled: 08/20/21 @ 15:58			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
t-Butanol (TBA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Butanone (MEK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
sec-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
tert-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Disulfide	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Tetrachloride	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromoethane (EDB)	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromo-3-Chloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,4-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dichlorodifluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

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CERTIFICATE OF ANALYSIS

2108-00148

PARTNER ENGINEERING & SCIENCE
TERRI MEN
2154 TORRANCE BLVD.
SUITE 200
TORRANCE, CA 90501

Project: 16831 Normandie Ave., Gardena, CA 90247

Date Reported 08/25/21
Date Received 08/20/21
Invoice No. 92677
Cust # P122
Permit Number
Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 014 B3-SV10										Date & Time Sampled: 08/20/21 @ 15:58			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
cis-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
trans-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Diisopropyl Ether (DiPE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Ethylbenzene	0.030	0.025	0.050	µg/L	30	25.0	50	µg/m3	J	0.50	EPA 8260B	08/20/21	KZ
Ethyl-t-Butyl Ether (EtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Hexachlorobutadiene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
2-Hexanone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Isopropylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
4-Isopropyltoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Methylene Chloride	<0.0250	0.025	0.05	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
4-Methyl-2-Pentanone (MIBK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Methyl-t-butyl Ether (MtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Naphthalene	<0.0160	0.016	0.025	µg/L	<16.0	16.0	25	µg/m3		0.50	EPA 8260B	08/20/21	KZ
n-Propylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Styrene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,1,1,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,1,2,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Tetrachloroethene	0.090	0.025	0.050	µg/L	90	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Toluene	0.11	0.025	0.050	µg/L	110	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,2,3-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,2,4-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,1,1-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,1,2-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Trichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,2,3-Trichloropropene	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Trichlorofluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Trichlorotrifluoroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,2,4-Trimethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
1,3,5-Trimethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3		0.50	EPA 8260B	08/20/21	KZ
Vinyl Chloride	<0.0040	0.004	0.025	µg/L	<4.0	4.0	25	µg/m3		0.50	EPA 8260B	08/20/21	KZ

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Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 014 B3-SV10										Date & Time Sampled: 08/20/21 @ 15:58			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
m,p-Xylenes	0.12	0.05	0.10	µg/L	120	50.0	100	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
o-Xylene	0.060	0.025	0.050	µg/L	60	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Surrogates]													
Dibromofluoromethane	85		70-130	%REC						EPA 8260B	08/20/21	KZ	
Toluene-D8	111		70-130	%REC						EPA 8260B	08/20/21	KZ	
Bromofluorobenzene	121		70-130	%REC						EPA 8260B	08/20/21	KZ	
Sample: 015 B3-SV20										Date & Time Sampled: 08/20/21 @ 15:58			
Sample Matrix: Air													
Purge Volume Sampled: 3													
[VOCs by GCMS]													
Acetone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Amyl Methyl Ether (TAME)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Benzene	0.040	0.012	0.050	µg/L	40	12.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromodichloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromoform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Butanol (TBA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Butanone (MEK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
sec-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
tert-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Disulfide	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Tetrachloride	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 015 B3-SV20										Date & Time Sampled: 08/20/21 @ 15:58			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
Chloroform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromoethane (EDB)	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromo-3-Chloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,4-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dichlorodifluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Diisopropyl Ether (DiPE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethylbenzene	0.040	0.025	0.050	µg/L	40	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethyl-t-Butyl Ether (EtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Hexachlorobutadiene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Hexanone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Isopropylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Isopropyltoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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FDA#	2030513
LA City#	10261
ELAP#s	2789
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CERTIFICATE OF ANALYSIS

2108-00148

PARTNER ENGINEERING & SCIENCE
TERRI MEN
2154 TORRANCE BLVD.
SUITE 200
TORRANCE, CA 90501

Project: 16831 Normandie Ave., Gardena, CA 90247

Date Reported 08/25/21
 Date Received 08/20/21
 Invoice No. 92677
 Cust # P122
 Permit Number
 Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 015 B3-SV20										Date & Time Sampled: 08/20/21 @ 15:58			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
Methylene Chloride	<0.0250	0.025	0.05	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Methyl-2-Pentanone (MIBK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Methyl-t-butyl Ether (MtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Naphthalene	<0.0160	0.016	0.025	µg/L	<16.0	16.0	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Propylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Styrene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,1,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,2,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Tetrachloroethene	0.15	0.025	0.050	µg/L	150	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Toluene	0.16	0.025	0.050	µg/L	160	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,3-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,4-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,1-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,2-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,3-Trichloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichlorofluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichlorotrifluoroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,4-Trimethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3,5-Trimethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Vinyl Chloride	<0.0040	0.004	0.025	µg/L	<4.0	4.0	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
m,p-Xylenes	0.17	0.05	0.10	µg/L	170	50.0	100	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
o-Xylene	0.080	0.025	0.050	µg/L	80	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Surrogates]													
Dibromofluoromethane	80		70-130	%REC						EPA 8260B	08/20/21	KZ	
Toluene-D8	111		70-130	%REC						EPA 8260B	08/20/21	KZ	
Bromofluorobenzene	122		70-130	%REC						EPA 8260B	08/20/21	KZ	

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Date Reported 08/25/21
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 Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 016 B3-SV20 DUP										Date & Time Sampled: 08/20/21 @ 16:02			
Sample Matrix: Air													
Purge Volume Sampled: 3													
[VOCs by GCMS]													
Acetone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Amyl Methyl Ether (TAME)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Benzene	0.040	0.012	0.050	µg/L	40	12.0	50	µg/m3	J 0.50	EPA 8260B	08/20/21	KZ	
Bromobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromodichloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromoform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Butanol (TBA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Butanone (MEK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
sec-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
tert-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Disulfide	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Tetrachloride	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromoethane (EDB)	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromo-3-Chloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,4-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dichlorodifluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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PARTNER ENGINEERING & SCIENCE
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TORRANCE, CA 90501

Project: 16831 Normandie Ave., Gardena, CA 90247

Date Reported 08/25/21
Date Received 08/20/21
Invoice No. 92677
Cust # P122
Permit Number
Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 016 B3-SV20 DUP										Date & Time Sampled: 08/20/21 @ 16:02			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
1,1-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Diisopropyl Ether (DiPE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethylbenzene	0.050	0.025	0.050	µg/L	50	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethyl-t-Butyl Ether (EtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Hexachlorobutadiene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Hexanone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Isopropylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Isopropyltoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Methylene Chloride	<0.0250	0.025	0.05	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Methyl-2-Pentanone (MIBK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Methyl-t-butyl Ether (MtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Naphthalene	<0.0160	0.016	0.025	µg/L	<16.0	16.0	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Propylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Styrene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,1,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,2,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Tetrachloroethene	0.16	0.025	0.050	µg/L	160	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Toluene	0.17	0.025	0.050	µg/L	170	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,3-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,4-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 016 B3-SV20 DUP										Date & Time Sampled: 08/20/21 @ 16:02			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
1,1,1-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,2-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,3-Trichloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichlorofluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichlorotrifluoroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,4-Trimethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3,5-Trimethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Vinyl Chloride	<0.0040	0.004	0.025	µg/L	<4.0	4.0	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
m,p-Xylenes	0.18	0.05	0.10	µg/L	180	50.0	100	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
o-Xylene	0.080	0.025	0.050	µg/L	80	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Surrogates]													
Dibromofluoromethane	87		70-130	%REC						EPA 8260B	08/20/21	KZ	
Toluene-D8	110		70-130	%REC						EPA 8260B	08/20/21	KZ	
Bromofluorobenzene	130		70-130	%REC						EPA 8260B	08/20/21	KZ	

Sample: 017 B6-SV5										Date & Time Sampled: 08/20/21 @ 16:07			
Sample Matrix: Air													
Purge Volume Sampled: 3													
[VOCs by GCMS]													
Acetone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Amyl Methyl Ether (TAME)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Benzene	0.030	0.012	0.050	µg/L	30	12.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromodichloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromoform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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CERTIFICATE OF ANALYSIS

2108-00148

PARTNER ENGINEERING & SCIENCE
TERRI MEN
2154 TORRANCE BLVD.
SUITE 200
TORRANCE, CA 90501

Project: 16831 Normandie Ave., Gardena, CA 90247

Date Reported 08/25/21
Date Received 08/20/21
Invoice No. 92677
Cust # P122
Permit Number
Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 017 B6-SV5										Date & Time Sampled: 08/20/21 @ 16:07			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
t-Butanol (TBA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Butanone (MEK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
sec-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
tert-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Disulfide	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Tetrachloride	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromoethane (EDB)	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromo-3-Chloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,4-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dichlorodifluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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SUITE 200

TORRANCE, CA 90501

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Date Reported 08/25/21

Date Received 08/20/21

Invoice No. 92677

Cust # P122

Permit Number

Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 017 B6-SV5										Date & Time Sampled: 08/20/21 @ 16:07			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
cis-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Diisopropyl Ether (DiPE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethylbenzene	0.55	0.025	0.050	µg/L	550	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethyl-t-Butyl Ether (EtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Hexachlorobutadiene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Hexanone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Isopropylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Isopropyltoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Methylene Chloride	<0.0250	0.025	0.05	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Methyl-2-Pentanone (MIBK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Methyl-t-butyl Ether (MtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Naphthalene	0.040	0.016	0.025	µg/L	40	16.0	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Propylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Styrene	0.11	0.025	0.050	µg/L	110	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,1,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,2,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Tetrachloroethene	0.22	0.025	0.050	µg/L	220	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Toluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,3-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,4-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,1-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,2-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,3-Trichloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichlorofluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichlorotrifluoroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,4-Trimethylbenzene	0.040	0.025	0.050	µg/L	40	25.0	50	µg/m3	J 0.50	EPA 8260B	08/20/21	KZ	
1,3,5-Trimethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Vinyl Chloride	<0.0040	0.004	0.025	µg/L	<4.0	4.0	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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SUITE 200
TORRANCE, CA 90501

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Date Reported 08/25/21
Date Received 08/20/21
Invoice No. 92677
Cust # P122
Permit Number
Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 017 B6-SV5 Date & Time Sampled: 08/20/21 @ 16:07 Sample Matrix: Air Purge Volume Sampled: 3continued													
m,p-Xylenes	2.5	0.05	0.10	µg/L	2,500	50.0	100	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
o-Xylene	1.1	0.025	0.050	µg/L	1,100	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Surrogates]													
Dibromofluoromethane	89		70-130	%REC						EPA 8260B	08/20/21	KZ	
Toluene-D8	108		70-130	%REC						EPA 8260B	08/20/21	KZ	
Bromofluorobenzene	120		70-130	%REC						EPA 8260B	08/20/21	KZ	
Sample: 018 B6-SV10 Date & Time Sampled: 08/20/21 @ 16:12 Sample Matrix: Air Purge Volume Sampled: 3													
[VOCs by GCMS]													
Acetone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Amyl Methyl Ether (TAME)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Benzene	0.030	0.012	0.050	µg/L	30	12.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromodichloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromoform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Butanol (TBA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Butanone (MEK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
sec-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
tert-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Disulfide	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Tetrachloride	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 018 B6-SV10										Date & Time Sampled: 08/20/21 @ 16:12			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
Chloroform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromoethane (EDB)	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromo-3-Chloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,4-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dichlorodifluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Diisopropyl Ether (DiPE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethylbenzene	0.31	0.025	0.050	µg/L	310	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethyl-t-Butyl Ether (EtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Hexachlorobutadiene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Hexanone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Isopropylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Isopropyltoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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CERTIFICATE OF ANALYSIS

2108-00148

PARTNER ENGINEERING & SCIENCE
TERRI MEN
2154 TORRANCE BLVD.
SUITE 200
TORRANCE, CA 90501

Project: 16831 Normandie Ave., Gardena, CA 90247

Date Reported 08/25/21
 Date Received 08/20/21
 Invoice No. 92677
 Cust # P122
 Permit Number
 Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 018 B6-SV10										Date & Time Sampled: 08/20/21 @ 16:12			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
Methylene Chloride	<0.0250	0.025	0.05	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Methyl-2-Pentanone (MIBK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Methyl-t-butyl Ether (MtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Naphthalene	0.060	0.016	0.025	µg/L	60	16.0	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Propylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Styrene	0.12	0.025	0.050	µg/L	120	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,1,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,2,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Tetrachloroethene	0.24	0.025	0.050	µg/L	240	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Toluene	0.17	0.025	0.050	µg/L	170	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,3-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,4-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,1-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,2-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,3-Trichloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichlorofluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichlorotrifluoroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,4-Trimethylbenzene	0.040	0.025	0.050	µg/L	40	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3,5-Trimethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Vinyl Chloride	<0.0040	0.004	0.025	µg/L	<4.0	4.0	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
m,p-Xylenes	1.4	0.05	0.10	µg/L	1,400	50.0	100	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
o-Xylene	0.55	0.025	0.050	µg/L	550	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Surrogates]													
Dibromofluoromethane	99		70-130	%REC						EPA 8260B	08/20/21	KZ	
Toluene-D8	105		70-130	%REC						EPA 8260B	08/20/21	KZ	
Bromofluorobenzene	117		70-130	%REC						EPA 8260B	08/20/21	KZ	

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Project: 16831 Normandie Ave., Gardena, CA 90247

Date Reported 08/25/21
Date Received 08/20/21
Invoice No. 92677
Cust # P122
Permit Number
Customer P.O. 21-325299.4

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 019 B6-SV14.5										Date & Time Sampled: 08/20/21 @ 16:20			
Sample Matrix: Air													
Purge Volume Sampled: 3													
[VOCs by GCMS]													
Acetone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Amyl Methyl Ether (TAME)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Benzene	<0.0120	0.012	0.050	µg/L	<12.0	12.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromodichloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromoform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Bromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
t-Butanol (TBA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Butanone (MEK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
n-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
sec-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
tert-Butylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Disulfide	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Carbon Tetrachloride	<0.0125	0.0125	0.025	µg/L	<12.5	12.5	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloroform	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Chloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Chlorotoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromochloromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromoethane (EDB)	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dibromo-3-Chloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dibromomethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,4-Dichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Dichlorodifluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

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Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 019 B6-SV14.5										Date & Time Sampled: 08/20/21 @ 16:20			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
1,1-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,2-Dichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,3-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2,2-Dichloropropane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
cis-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
trans-1,3-Dichloropropene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Diisopropyl Ether (DiPE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethylbenzene	0.52	0.025	0.050	µg/L	520	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Ethyl-t-Butyl Ether (EtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Hexachlorobutadiene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
2-Hexanone	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Isopropylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Isopropyltoluene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Methylene Chloride	<0.0250	0.025	0.05	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
4-Methyl-2-Pentanone (MIBK)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Methyl-t-butyl Ether (MtBE)	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Naphthalene	0.020	0.016	0.025	µg/L	20	16.0	25	µg/m3	J 0.50	EPA 8260B	08/20/21	KZ	
n-Propylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Styrene	0.12	0.025	0.050	µg/L	120	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,1,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,2,2-Tetrachloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Tetrachloroethene	0.18	0.025	0.050	µg/L	180	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Toluene	0.16	0.025	0.050	µg/L	160	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,3-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,4-Trichlorobenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	

The data and information on this, and other accompanying documents, represent only the sample(s) analyzed and is rendered upon condition that it is not to be reproduced, wholly or in part, for advertising or other purposes without approval from the laboratory.



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FDA#	2030513
LA City#	10261
ELAP#s	2789
	2790
	2122

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CERTIFICATE OF ANALYSIS

2108-00148

PARTNER ENGINEERING & SCIENCE
TERRI MEN
2154 TORRANCE BLVD.
SUITE 200
TORRANCE, CA 90501

Date Reported 08/25/21
Date Received 08/20/21
Invoice No. 92677
Cust # P122
Permit Number
Customer P.O. 21-325299.4

Project: 16831 Normandie Ave., Gardena, CA 90247

Analysis	Result	MDL	RL	Units	Result	MDL	RL	Units	Qual	DF	Method	Date	Tech
Sample: 019 B6-SV14.5										Date & Time Sampled: 08/20/21 @ 16:20			
Sample Matrix: Air													
Purge Volume Sampled: 3													
.....continued													
1,1,1-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,1,2-Trichloroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichloroethene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,3-Trichloropropane	<0.0100	0.01	0.050	µg/L	<10.0	10.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichlorofluoromethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Trichlorotrifluoroethane	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
1,2,4-Trimethylbenzene	0.030	0.025	0.050	µg/L	30	25.0	50	µg/m3	J 0.50	EPA 8260B	08/20/21	KZ	
1,3,5-Trimethylbenzene	<0.0250	0.025	0.050	µg/L	<25.0	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
Vinyl Chloride	<0.0040	0.004	0.025	µg/L	<4.0	4.0	25	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
m,p-Xylenes	2.5	0.05	0.10	µg/L	2,500	50.0	100	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
o-Xylene	0.98	0.025	0.050	µg/L	980	25.0	50	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Vapor Sampling Tracer]													
Isopropanol (IPA)	<0.2500	0.25	0.50	µg/L	<250.0	250.0	500	µg/m3	0.50	EPA 8260B	08/20/21	KZ	
[VOC Surrogates]													
Dibromofluoromethane	92		70-130	%REC						EPA 8260B	08/20/21	KZ	
Toluene-D8	108		70-130	%REC						EPA 8260B	08/20/21	KZ	
Bromofluorobenzene	119		70-130	%REC						EPA 8260B	08/20/21	KZ	

Respectfully Submitted:

Ken Zheng - President

QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL
B1 = BOD blank is over specifications . The reported result may be biased high.
D = Surrogate recoveries are not calculated due to sample dilution
E = Estimated value
H = Analyte was prepared and/or analyzed outside of the analytical method holding time
I = Matrix Interference
J = Analyte concentration detected between RL and MDL

ABBREVIATIONS

DF = Dilution Factor
RL = Reporting Limit
MDL = Method Detection Limit
Qual = Qualifier
Tech = Technician



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As regulatory limits change frequently, Microbac advises the recipient of this report to confirm such limits with the appropriate federal, state, or local authorities before acting in reliance on the regulatory limits provided.

For any feedback concerning our services, please contact Jenny Jiang, Project Manager at 951.779.0310. You may also contact Ken Zheng, President at office@arlaboratories.com.



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QUALITY CONTROL DATA REPORT

PARTNER ENGINEERING & SCIENCE
TORRANCE, CA 90501

2108-00148

Date Reported 08/25/2021
Date Received 08/20/2021
Date Sampled 08/20/2021
Invoice No. 92677
Customer # P122
Customer P.O. 21-325299.4

Project: 16831 Normandie Ave., Gardena, CA 90247

Method #	EPA 8260B																						
QC Reference #	98121					Date Analyzed:	8/20/2021					Technician:	KZ										
Samples	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019				
Results	LCS %REC				LCS %DUP				LCS %RPD				BLKSRR% REC				Control Ranges						
																	LCS %REC	LCS %RPD	BLKSRR%REC				
1,1-Dichloroethene	90				96				6.0												70 - 130	0 - 25	
Benzene	89				96				7.1												70 - 130	0 - 25	
Bromofluorobenzene												128											50 - 150
Chlorobenzene	107				117				9.6												70 - 130	0 - 25	
Dibromofluoromethan												91											50 - 150
Toluene	104				109				4.6												70 - 130	0 - 25	
Toluene-D8												107											50 - 150
Trichloroethene	128				122				4.9												70 - 130	0 - 25	



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QUALITY CONTROL DATA REPORT

PARTNER ENGINEERING & SCIENCE

2108-00148

Date Reported 08/25/2021
Date Received 08/20/2021
Date Sampled 08/20/2021

Project: 16831 Normandie Ave., Gardena, CA 90247

Method blank results

Ref	Test Name	Result	Qualif	Units	MDL	Ref	Test Name	Result	Qualif	Units	MDL
98121	Acetone	<0.0650		µg/L	0.0650		Isopropylbenzene	<0.0065		µg/L	0.0065
	t-Amyl Methyl Ether (TAME)	<0.0065		µg/L	0.0065		4-Isopropyltoluene	<0.0065		µg/L	0.0065
	Benzene	<0.0031		µg/L	0.0031		Methylene Chloride	<0.0065		µg/L	0.0065
	Bromobenzene	<0.0065		µg/L	0.0065		4-Methyl-2-Pentanone (MIBK)	<0.0650		µg/L	0.0650
	Bromochloromethane	<0.0065		µg/L	0.0065		Methyl-t-butyl Ether (MtBE)	<0.0065		µg/L	0.0065
	Bromodichloromethane	<0.0065		µg/L	0.0065		Naphthalene	<0.0042		µg/L	0.0042
	Bromoform	<0.0065		µg/L	0.0065		n-Propylbenzene	<0.0065		µg/L	0.0065
	Bromomethane	<0.0065		µg/L	0.0065		Styrene	<0.0065		µg/L	0.0065
	t-Butanol (TBA)	<0.0650		µg/L	0.0650		1,1,1,2-Tetrachloroethane	<0.0065		µg/L	0.0065
	2-Butanone (MEK)	<0.0650		µg/L	0.0650		1,1,2,2-Tetrachloroethane	<0.0065		µg/L	0.0065
	n-Butylbenzene	<0.0065		µg/L	0.0065		Tetrachloroethene	<0.0065		µg/L	0.0065
	sec-Butylbenzene	<0.0065		µg/L	0.0065		Toluene	<0.0065		µg/L	0.0065
	tert-Butylbenzene	<0.0065		µg/L	0.0065		1,2,3-Trichlorobenzene	<0.0065		µg/L	0.0065
	Carbon Disulfide	<0.0650		µg/L	0.0650		1,2,4-Trichlorobenzene	<0.0065		µg/L	0.0065
	Carbon Tetrachloride	<0.0033		µg/L	0.0033		1,1,1-Trichloroethane	<0.0065		µg/L	0.0065
	Chlorobenzene	<0.0065		µg/L	0.0065		1,1,2-Trichloroethane	<0.0065		µg/L	0.0065
	Chloroethane	<0.0065		µg/L	0.0065		Trichloroethene	<0.0065		µg/L	0.0065
	Chloroform	<0.0065		µg/L	0.0065		1,2,3-Trichloropropane	<0.0026		µg/L	0.0026
	Chloromethane	<0.0065		µg/L	0.0065		Trichlorofluoromethane	<0.0065		µg/L	0.0065
	2-Chlorotoluene	<0.0065		µg/L	0.0065		Trichlorotrifluoroethane	<0.0065		µg/L	0.0065
	4-Chlorotoluene	<0.0065		µg/L	0.0065		1,2,4-Trimethylbenzene	<0.0065		µg/L	0.0065
	Dibromochloromethane	<0.0065		µg/L	0.0065		1,3,5-Trimethylbenzene	<0.0065		µg/L	0.0065
	1,2-Dibromoethane (EDB)	<0.0026		µg/L	0.0026		Vinyl Chloride	<0.0010		µg/L	0.0010
	1,2-Dibromo-3-Chloropropane	<0.0026		µg/L	0.0026		m,p-Xylenes	<0.0130		µg/L	0.0130
	Dibromomethane	<0.0065		µg/L	0.0065		o-Xylene	<0.0065		µg/L	0.0065
	1,2-Dichlorobenzene	<0.0065		µg/L	0.0065		Isopropanol (IPA)	<0.0650		µg/L	0.0650
	1,3-Dichlorobenzene	<0.0065		µg/L	0.0065						
	1,4-Dichlorobenzene	<0.0065		µg/L	0.0065						
	Dichlorodifluoromethane	<0.0065		µg/L	0.0065						
	1,1-Dichloroethane	<0.0065		µg/L	0.0065						
	1,2-Dichloroethane	<0.0065		µg/L	0.0065						
	1,1-Dichloroethene	<0.0065		µg/L	0.0065						
	cis-1,2-Dichloroethene	<0.0065		µg/L	0.0065						
	trans-1,2-Dichloroethene	<0.0065		µg/L	0.0065						
	1,2-Dichloropropane	<0.0065		µg/L	0.0065						
	1,3-Dichloropropane	<0.0065		µg/L	0.0065						
	2,2-Dichloropropane	<0.0065		µg/L	0.0065						
	1,1-Dichloropropene	<0.0065		µg/L	0.0065						
	cis-1,3-Dichloropropene	<0.0065		µg/L	0.0065						
	trans-1,3-Dichloropropene	<0.0065		µg/L	0.0065						
	Diisopropyl Ether (DIPE)	<0.0065		µg/L	0.0065						
	Ethylbenzene	<0.0065		µg/L	0.0065						
	Ethyl-t-Butyl Ether (EtBE)	<0.0065		µg/L	0.0065						
	Hexachlorobutadiene	<0.0065		µg/L	0.0065						
	2-Hexanone	<0.0650		µg/L	0.0650						



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QUALITY CONTROL DATA REPORT

PARTNER ENGINEERING & SCIENCE

2108-00148

Date Reported 08/25/2021

Date Received 08/20/2021

Date Sampled 08/20/2021

Project: 16831 Normandie Ave., Gardena, CA 90247

Respectfully Submitted:

Ken Zheng - President

For any feedback concerning our services, please contact Jenny Jiang, Project Manager at 951.779.0310. You may also contact Ken Zheng, President at office@arlaboratories.com.



Client Name <u>Partner ENG + SCIENCE, INC.</u>				<input type="checkbox"/> Chilled		Analyses Requested										Turn Around Time Requested									
E-mail <u>TMEN@PARTNERESI.COM</u>				<input checked="" type="checkbox"/> Intact												EPA8260B (VOCs & Oxygenates)		EPA8260B(BTEX & Oxygenates)		LUFT / 8015 (Gasoline)		LUFT / 8015 (Diesel)		EPA8081A (Organochlorine Pesticides)	
Address <u>2154 TORRANCE BLVD., STE. 200, TORRANCE, CA 90501</u>				<input type="checkbox"/> Seal		Report Attention <u>TERRI M.</u>		Phone # <u>310.950.3273</u>		Sampled By <u>KZ</u>		Fax: #		Project No./Name <u>16831 Normandie Ave. Gardena CA</u>		Project Site		Remarks							
Lab # <small>(Lab use)</small>	Client Sample ID	Sample Collection		Matrix Type	Sample Preserve	No., type* & size of container	EPA8260B	EPA8260B(BTEX & Oxygenates)	LUFT / 8015 (Gasoline)	LUFT / 8015 (Diesel)	EPA8081A	EPA 8082 (PCBs)	EPA 8015M	EPA 6010B/7000	Micro: Plate Cnt., Coliform, E-Coli	Remarks									
-1	B2SV+5	8/20/21	10:30	Air		250ml/1	X										3 Tedlar Bags								
-2	↓ +10		11:06																						
-3	↓ +20		11:30																						
-4	B1SV+5		11:55																						
-5	↓ +10		12:18																						
-6	↓ +20		12:40																						
-7	B4SV+5		13:05														* Sample ID corrected per 8/23/21 B4ASV-Cred								
-8	↓ +10		13:30																						
-9	↓ +20		13:58																						
-10	B8SV+5		14:25														B7SV								
-11	↓ +10		14:50																						
-12	↓ +20		15:25																						
-13	B3SV+5		15:52			Tedlar Bag																			
-14	↓ +10		15:58																						
-15	↓ +20		16:02																						
-16	↓ +20 DUMP																								
Relinquished By <u>[Signature]</u>		Company		Date <u>8/20/21</u>	Time <u>16:15</u>	Received By <u>[Signature]</u>		Company <u>ARL</u>		Date <u>8/21/21</u>	Time <u>16:15</u>	Note: Samples are discarded 30 days after results are reported unless other arrangements are made.													
Relinquished By		Company		Date	Time	Received By		Company		Date	Time														

Matrix Code:	DW=Drinking Water GW=Ground Water WW=Waste Water SD=Solid Waste	SL=Sludge SS=Soil/Sediment AR=Air PP=Pure Product	Preservative Code	IC=Ice HC=HCl HN=HNO ₃	SH=NaOH ST=Na ₂ S ₂ O ₃ HS=H ₂ SO ₄	* Sample Container Types: T= Tedlar Air Bag G= Glass Container ST= Steel Tube	B= Brass Tube P= Plastic Bottle V= VOA Vial	E= EnCore
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CHAIN OF CUSTODY

A & R Work Order # **48**

2108-170

Client Name Partner ENG. + SCIENCE, INC.				<input type="checkbox"/> Chilled		Analyses Requested										Turn Around Time Requested <input type="checkbox"/> Rush 8 12 24 48 Hours <input type="checkbox"/> Normal MOBILE					
E-mail THEN@PARTNERESI.COM				<input checked="" type="checkbox"/> Intact <input type="checkbox"/> Seal																	
Address 2154 TORRANCE BLVD., STE. 200, TORRANCE, CA 90501				Report Attention TERRI M.		Phone # 310.950.3273		Sampled By KZ		Project No./ Name		Project Site 16831 Normandie Ave, Gardena, CA									
Lab # <small>(Lab use)</small>	Client Sample ID	Sample Collection		Matrix Type	Sample Preserve	No., type* & size of container	EPA8260B (VOCs & Oxygenates)	EPA8260B(BTEX & Oxygenates)	LUFT / 8015 (Gasoline)	LUFT / 8015 (Diesel)	EPA8081A (Organochlorine Pesticides)	EPA 8082 (PCBs)	EPA 8015M (Carbon Chain C4-C40)	EPA 6010B/7000 (CAM 17 Metals)	Micro: Plate Cnt., Coliform, E-Coli	Remarks					
		Date	Time																		
-17	B6SV+5	8/20/21	16:07	Air		Tedlar Bag	X										3 Tedlar Bags				
-18	↓ +10	↓	16:12	↓		↓	↓														
-19	↓ +14.5	↓	16:20	↓		↓	↓														
*all sample is corrections - per clients request. 8/20/21																					
Relinquished By <i>[Signature]</i>		Company		Date 8/20/21		Time 16:21		Received By <i>[Signature]</i>		Company ARL		Date 8/20/21		Time 16:21		Note: Samples are discarded 30 days after results are reported unless other arrangements are made.					
Relinquished By		Company		Date		Time		Received By		Company		Date		Time							

Matrix Code:	DW=Drinking Water GW=Ground Water WW=Waste Water SD=Solid Waste	SL=Sludge SS=Soil/Sediment AR=Air PP=Pure Product	Preservative Code	IC=Ice HC=HCl HN=HNO ₃	SH=NaOH ST=Na ₂ S ₂ O ₃ HS=H ₂ SO ₄	* Sample Container Types: T=Tedlar Air Bag G=Glass Container ST= Steel Tube	B= Brass Tube P=Plastic Bottle V=VOA Vial	E= EnCore
--------------	--	--	-------------------	---	--	--	---	-----------