

INDOOR AIR QUALITY EVALUATION FOR:

COMMERCIAL-RETAIL SHOPPING CENTER

Decker's Dog & Cat 3055 Clairemont Drive San Diego, California 92117

Wednesday, July 5, 2023 *EAI* Project No.: 01.CVQUAD1.23

Prepared for:

Clairemont Village Quad, LLC 5022 Pearlman Way San Diego, California 92130

Prepared by:

Steve R. Phillips, PG Project Geologist



Reviewed by: Craig A. Smith, PG Principal CRAIG Α. SMITH

NO. 8225

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1.0 INTRODUCTION

EnviroApplications, Inc. (*EAI*) has prepared this Indoor Air Quality Evaluation for a portion of the commercial-retail shopping center located at the suite addressed as 3055 Clairemont Drive in San Diego, California (subject site; Figure 1). The work was performed to evaluate the potential volatile organic compound (VOC) vapor intrusion (VI) human health risk to suite occupants. The indoor air samples were collected following the implementation of engineering controls by the Client. The objective of this evaluation was to confirm subject site indoor air VOCs concentrations detected in previously collected samples have been reduced to acceptable levels subsequent to the implementation of engineering controls recommended by *EAI* in the January 2023 assessment. Indoor air samples collected for this sampling event were collected at generally the same locations as those collected in January 2023. Targeted VOCs consist of common dry cleaning solvents, tetrachloroethylene (PCE) and its degradation product, trichloroethylene (TCE).

The work was performed in general accordance with the California Department of Toxic Substances Control (DTSC) *Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air* (October 2011; DTSC, 2011), *Advisory – Active Soil Gas Investigations* (July 2015; DTSC 2015), and the "final draft" *Supplemental Guidance: Screening and Evaluating Vapor Intrusion* (February 2023; DTSC & CA SWRCB 2023). The indoor air sampling data obtained from the investigation was compared to the June 2020 DTSC Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Screening Levels (SLs) for commercial/industrial ambient air (DTSC, 2020) and the 2019 (Rev. 2) San Francisco Bay Regional Water Quality Control Board (SFRWQCB) Environmental Screening Levels (ESLs) for commercial/industrial indoor air (SFRWQCB, 2020).

2.0 BACKGROUND INFORMATION

2.1 SITE LOCATION AND DESCRIPTION

The subject site consists of a retail/commercial suite contained in a slab-on-grade, single-story building within the Clairemont Village Shopping Center. The center is located on Clairemont Drive, San Diego, California. The suites within this center are individually addressed. The subject site suite, Suite 3055, is one of the seven commercial-retail units contained in the building. The subject suite is occupied by Decker's Dog & Cat (Figure 1). The Decker's Dog & Cat unit is 1,000 square-feet and consists primarily of retail space with an undivided small office/storage area and restroom in the rear. The remaining units of the primary subject site building (but not part of this indoor air quality evaluation) are currently occupied by the following:

- 3043 Clairemont Drive: Clairemont Coin Laundry;
- 3045 Clairemont Drive: Norpine Mountain Sports;
- 3047 Clairemont Drive: Lido Tailor Shop;
- 3049 & 3051 Clairemont Drive: Spectrum;
- 3055B & 3061 Clairemont Drive: Farmer's Table Restaurant; and
- 3061A Clairemont Drive: Grappling Dynamics.

The shopping center building, containing the subject site, is surrounded with concrete walkways, landscaping, and asphalt-paved parking areas.

2.2 SITE BACKGROUND AND INVESTIGATION HISTORY

The shopping center building containing the subject site suites has been developed since at least the 1960's (HistoricAerials, 2023). The shopping center has been remodeled over the years and is now identified as the Clairemont Village Shopping Center. Based on conversations with Clairemont Village Quad, LLC, approximately 2.67 acres of the eastern portion of the shopping center (a portion of the parking lot and units 3043, 3045, and 3047 Clairemont Drive) are planned for redevelopment with a 224 unit, 5-story residential apartment building over a 2-story parking structure. The subject site (unit 3055) will remain primarily unaffected by this development. In preparation for this development, environmental due diligence was performed.

A Phase I Environmental Site Assessment (ESA) was performed for the overall Clairemont Village Shopping Center by Geocon in July 2016 which identified a "recognized environmental condition (REC)" related to a historical listing for a "cleaners" in the US Historical Cleaners database at the 3043 and 3045 Clairemont Drive units (currently the Clairemont Coin Laundry and Norpine Mountain Sports occupants). Geocon recommended further investigation to determine if the subsurface in and near this location had been impacted with dry cleaning chemicals (Geocon, 2022).

Since the date of the Phase I ESA, various subsurface investigations to characterize the extent of chemical impacts in soil vapor, and indoor air have been conducted at the Clairemont Village Shopping Center. The primary activities are summarized in the timeline below:

- 2016 (July); Phase I Environmental Site Assessment (ESA) for the Clairemont Village Shopping Center.
- 2022 (April); Phase II Environmental Site Assessment (ESA) by Geocon consisting of a soil vapor survey. Eight soil vapor samples (SV1 through SV8) were collected from units 3043 and 3045.

VOCs considered common dry cleaning-related chemicals, such as PCE and TCE, were detected in soil vapor samples collected exceeding regulatory commercial screening levels (SLs/ESLs) indicative of a chemical release at the subject property. Additional assessment was recommended by Geocon (Geocon, 2022).

- 2022 (February); Additional Site Investigation was performed by Geocon consisting of additional soil vapor sampling and indoor air sampling (Attachment 2). Eight additional soil vapor samples (SV-9 through SV-16), and ten indoor (AS-1 through AS-10) and two outdoor air samples (AS-11 & AS-12) were collected throughout the Clairemont Village Shopping Center. VOCs were detected in soil-vapor and indoor air samples exceeding commercial SLs/ESLs. Three air samples (AS-4, -5, & -6) and eight soil vapor samples were reported to contain concentrations that exceeded the commercial SL/ESL for PCE, and one soil vapor sample that exceeded the commercial ESL for TCE. Geocon recommended that their report be submitted to the San Diego County Department of Environmental Health (DEH) under the Voluntary Assistance Program (VAP) for evaluation and guidance. Additionally, Geocon recommended sealing conduits and/or cracks in preferential vapor pathways (e.g., sewer and electrical pipes, building slab) where possible, and utilizing scrubbing air filters to reduce the VOCs detected in the suites located at 3049, 3051 and 3055 Claremont Drive.
- 2023 (January); Indoor Air Quality Evaluation was performed by EAI consisting of additional indoor air sampling to confirm subject site VOCs concentrations detected in indoor air samples collected by Geocon, Inc. (Geocon) in June 2022. Indoor air samples collected for this sampling event were collected at approximately the same location as those collected in 2022. Targeted VOCs consisted of common dry cleaning solvents, tetrachloroethylene (PCE) and its degradation product, trichloroethylene (TCE). Samples were collected from three indoor and one outdoor locations over an 8-hour period (during normal work day hours); the indoor air samples were collected from within the Spectrum (3049 & 3051) and Decker's Dog & Cat (3055) occupant spaces, and an outdoor air sample (AS-16) from the roof. PCE was detected in all of the indoor air samples above the regulatory SL (2 μ g/m³), with concentrations ranging from 8.6 to 9.1 μ g/m³. TCE was in all of the indoor air samples, however the concentrations detected, ranging from 0.36 to 0.4 μ g/m3, are below the SL (3 μ g/m³). PCE and TCE were not detected above the laboratory reporting limits in the outdoor air sample (AS-16) collected. Based on the laboratory analysis results of air samples, the PCE concentrations detected in samples collected inside the building are above the regulatory SL/ESLs. Because no PCE was detected in the outdoor air sample collected, it appears the indoor air PCE concentration detected is a result of vapor intrusion (VI) from the subsurface during the sampling event. PCE vapor intrusion mitigation measures were recommended by EAI to be implemented through long-term and short-term engineering controls consisting of the following:
 - <u>Short-Term Engineering Controls</u>: Adjustment, modification and/or implementation of the heating, ventilation, and air conditioning (HVAC) system that allows for a greater outdoor to indoor air exchange rate in the affected units. A professional HVAC company should be consulted for this work. Additionally, installing floor sealant (e.g., epoxy) over the concrete building slab where possible (i.e., exposed floors) within the units may be considered. Following installation, an additional indoor air quality evaluation may be warranted to confirm the implemented mitigation measures are effective.
 - <u>Long-Term Engineering Controls</u>: Based on conversations with Clairemont Village Quad, LLC, it is understood that the planned redevelopment activities will result in the demolition of the three retail suites (3043, 3045, and 3047 Clairemont Drive) which overlay the suspected location of the source of the soil impact. At the time of redevelopment, .remediation of subsurface VOCs, utilizing source removal (excavation/disposal of impacted soil), is recommended.

- Based on preliminary grading plans, the underlying soil is intended to be regraded for the planned construction of a multi-family residential apartment building. Before grading activities, soil characterization is recommended to delineate the extent of the impacts. Subsequently, targeted soil excavation is recommended during grading activities to remove the source of the VOCs, thereby mitigating the potential human health risk to the current commercial building occupants by vapor intrusion of PCE. A sub-slab vapor mitigation system(s) or vapor extraction remediation of any remaining PCE vapors beneath the remaining affected suites should be considered.
- 2023 (March May): Adjustment and modification of the onsite HVAC system for Decker's Dog & Cat (Suite 3055) was performed by the Client's HVAC subcontractor for the building. Per the Client, the HVAC system was professionally modified for a greater outdoor to indoor air exchange rate. This was achieved by outfitting the air intake vent with a bigger eyebrow (vent frame), and by adjusting the fan motor to run constantly. Following these adjustments/modifications, the Client requested an additional indoor air quality evaluation be performed for Decker's Dog & Cat to evaluate the effectiveness of the implemented engineering controls. The results of this additional indoor air quality analysis are presented herein. Furthermore, based on conversations between the Client and Spectrum (occupants of the 3049 & 3051 Suites), engineering control options will not be implemented by the Client for the Spectrum suites until tenant improvements have been performed by the occupants. Tenant improvements are expected to take up to nine (9) months to be completed. Indoor air quality will be evaluated for Spectrum following the completion of tenant improvements, and implementation of short-term engineering controls.

3.0 SAMPLING AND ANALYSIS DESCRIPTION

3.1 INDOOR AIR AND OUTDOOR AIR SAMPLING

One ambient air (indoor and outdoor) sampling event was conducted on June 7, 2023. For the sampling event, samples were collected contemporaneously from one indoor and one outdoor location over an 8-hour period (during normal work day hours) to ensure a representative and accurate measurement of indoor air quality. The indoor air sample (IA-1) was collected from within the Decker's Dog & Cat (3055) occupant space, and the outdoor air sample (AA-1) from the roof at the locations shown on Figure 1. The samples were collected in laboratory-certified, evacuated 6L SUMMA canisters.

The SUMMA canister, for collection of the indoor air sample, was placed approximately 3 to 5 feet off the ground (at breathing zone level appropriate for adult workers), atop a shelf. The outdoor air sample (AA-1) was collected upwind at the western side of the roof above the parapet by placing the cannister on one of the parapet walls, away from the edge. The outdoor air sample was collected to provide background contaminant concentration data for assessment of any contaminants detected that may be entering the building unrelated to subject site indoor operations.

Each SUMMA canister was equipped with a dedicated vacuum gauge that: 1) verified the canister had been properly evacuated by the laboratory prior to sampling, 2) demonstrated the canister remained very slightly evacuated upon sampling completion, and 3) indicated whether the canister's flow regulator functioned properly based on the vacuum readings before and after sampling. Additionally, the flow regulators were pre-configured to produce a constant sampling rate. Sampling canisters, flow regulators, and pressure gauges were certified clean to the laboratory's method reporting limit.

The two air samples from the sampling event were analyzed for VOCs using EPA Method TO-15 SIM.

4.0 FINDINGS

4.1.1 Laboratory Analysis Results

A table presenting the laboratory analysis results of the air samples collected by Geocon (2022) and *EAI* (2023) is provided (Table 1).

4.1.2 Indoor and Outdoor Air Sampling Results and Comparison To ESLs and SLs

No targeted VOC concentrations were detected in the samples collected in this most recent 2023 sampling event with concentrations exceeding the commercial/industrial DTSC SLs and SFRWQCB ESLs for ambient air. PCE was detected in the indoor air sample below the regulatory SL ($2 \mu g/m^3$), at a concentration of 0.55 $\mu g/m^3$. PCE was also detected in the outdoor air sample at a concentration of 0.28 $\mu g/m^3$. TCE was not detected above the laboratory reporting limits in either the indoor or outdoor air sample collected.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The comparison of indoor air analytical data to outdoor air (background) analytical data, the respective compound's SLs/ESLs, and data from prior indoor air sampling events for the subject site performed by Geocon in June 2022 and *EAI* in January 2023 leads to the following conclusions:

- The PCE concentration detected in the sample collected inside the building of Decker's Dog & Cat is below the regulatory SL/ESLs, and, because of the HVAC modifications made, appears to have resulted in the reduction of the indoor concentration from approximately 13 μg/m³ in June 2022 and 8.7 μg/m³ in January 2023 to 0.55 μg/m³ in June 2023.
- No TCE concentration was detected above the laboratory reporting limits in the sample collected from inside the building of Decker's Dog & Cat. The TCE concentrations in indoor air samples collected from the same suite prior to this sampling event ranged from approximately 0.36 to 0.77 µg/m³.
- No TCE concentration was detected above the laboratory reporting in the outdoor air sample collected during this sampling event. However, PCE was detected at a concentration of 0.28 μ g/m³ in the outdoor air sample thus indicating a portion of the PCE concentration detected in the indoor air sample collected during this event may be attributed to an outdoor source.

Based on the laboratory analysis results of air samples collected for this Indoor Air Quality Evaluation, the indoor air concentrations for PCE and TCE detected in this sampling event are lower compared to the results from the prior sampling events. Of note, the PCE concentration detected in indoor air sample collected from within the Decker's Dog & Cat store is now lower than the commercial/industrial SL/ESL. This appears to indicate the HVAC modification engineering control implemented has mitigated the potential human health risk to occupants by VOC vapor intrusion at the subject site. *EAI* recommends performing an additional indoor air quality evaluation for Decker's Dog & Cat approximately 30-60 days following the date of this sampling event to confirm the results of this evaluation.

6.0 STANDARD LIMITATIONS

The findings and conclusions contained in this report have been prepared for the specific application to this project and have been developed in a manner consistent with that level of care and skill normally exercised by members of the environmental scientific profession currently practicing under similar conditions in the area at the time this investigation was performed. No warranty, either expressed or implied, is made. This report is for the exclusive use of Clairemont Village Quad, LLC and associated representatives.

A potential always remains for the presence of the unknown, unidentified, or unforeseen air quality contamination. Further evidence against such potential site contamination would require additional exploration and testing.

If new information is discovered during future site work, *EAI* should be requested to reevaluate the conclusions of this report, and to provide amendments as required.

7.0 REFERENCES

- California Department of Toxic Substances Control (DTSC), 2011, Final Guidance for the Evaluation And Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance). October.
- California Department of Toxic Substances Control (DTSC), 2015, Advisory Active Soil Gas Investigations. July.
- California DTSC & State Water Resources Control Board (SWRCB), 2023, Supplemental Guidance: Screening and Evaluating Vapor Intrusion ("Final Draft"). February.
- California Department of Toxic Substances Control (DTSC), 2020, Human and Ecological Risk Office Human Health Risk Assessment Note 3, DTSC-modified Screening Levels. June.
- EnviroApplications, Inc. (EAI) 2023, Indoor Air Quality Evaluation, Spectrum and Decker's Dog & Cat, 3049, 3051, & 3055 Clairemont Drive, San Diego, California 92117. Project No. 01.CVQUAD1.22. February 14, 2023.
- Geocon, Inc. (Geocon) 2022, Additional Site Investigation Report, 3015-3061 Clairemont Drive, San Diego, California. Project No. G1992-62-04A. July 1, 2022.
- HistoricAerials.com, 2023, <u>www.historicaerials.com/viewer</u>; 3049, 3051, & 3055 Clairemont Drive, San Diego, California. Accessed January 30, 2022.
- San Francisco Bay Regional Water Quality Control Board (SFRWQCB), 2020, Environmental Screening Levels, Tier 1 ESLs. January.

FIGURE

INDOOR AIR QUALITY EVALUATION

Commercial-Retail Shopping Center Decker's Dog & Cat 3055 Clairemont Drive San Diego, California 92117

EAI Project No.: 01.CVQUAD1.23 July 5, 2023



TABLE

INDOOR AIR QUALITY EVALUATION

Commercial-Retail Shopping Center Spectrum, and Decker's Dog & Cat 3055 Clairemont Drive San Diego, California 92117

EAI Project No.: 01.CVQUAD1.23 July 5, 2023

TABLE 1 SUMMARY OF TARGETED AMBIENT AIR SAMPLE ANALYTICAL RESULTS

COMMERCIAL/INDUSTRIAL DETECTED VOCs⁽¹⁾ WITH INDOOR AIR CANCER RISK SCREENING LEVELS

Commercial-Retail Shopping Center (Decker's Dog & Cat)

3055 Clairemont Drive

San Diego, California 92117

All concentrations reported in micrograms per cubic meter (µg/m³)⁽²⁾ Bold concentrations are above the SL/ESL

Sample Event	Sample Interval	Sample Type	Sample Location	Sample ID	Sample Collection Date	TCE (Trichloroethene)	PCE (Tetrachloroethene)
EnviroApplication's	8 hour	Indoor Air	Decker's Dog & Cat	IA-1	6/7/2023	< 0.05	0.55
June 2023 Event	8-110UT	Outdoor Air	Building Roof	AA-1	6/7/2023	TCE (Trichloroethene) < 0.05 < 0.05 0.40 0.38 0.36 < 0.054 0.11 0.28 0.77 < 0.05 3.00 3.00	0.28
			Spectrum (Front Partition)	AS-13	1/9/2023	0.40	9.1
EnviroApplication's	8-hour	Indoor Air	Spectrum (Rear Office)	AS-14	1/9/2023	0.38	8.6
January 2025 Event			Decker's Dog & Cat	trum AS-14 Office) ker's AS-15 <u>& Cat</u> AS-15 <u>1g Roof AS-16</u>	1/9/2023	0.36	8.7
		Outdoor Air	Building Roof	AS-16	1/9/2023	< 0.054	< 0.068
			Spectrum (Front Partition)	AS-4	6/15/2022	0.11	2.8
GeoCon's	8-bour	Indoor Air	Spectrum (Rear Office)	AS-5	6/15/2022	0.28	6.9
June 2022 Event	0-11001		Decker's Dog & Cat	AS-6	6/15/2022	0.77	13
		Outdoor Air	Building Exterior	AS-11	6/15/2022	< 0.05	< 0.07
		DTSC SL 2020	(June)			3.00	2.00
	S	FRWQCB ESL 2	019 (Rev.2)			3.00	2.00

Notes:

(1) = Volatile Organic Compounds

(2) = All Samples Analyzed by EPA Method TO-15 SIM

(3) = Non-Cancer Hazard

< = Less Than (Laboratory Reporting Limit Shown)

SL = Department of Toxic Substances Control Screening Level (DTSC) - commercial/industrial cancer risk

ESL = San Francisco Bay Regional Water Quality Control Board Environmental Screening Level (SFRWQCB)- commercial/industrial cancer risk

ATTACHMENT 1-ANALYTICAL LABORATORY REPORT

INDOOR AIR QUALITY EVALUATION

Commercial-Retail Shopping Center Spectrum, and Decker's Dog & Cat 3055 Clairemont Drive San Diego, California 92117

EAI Project No.: 01.CVQUAD1.23 July 5, 2023



Steve Phillips EnviroApplications, Inc. 2831 Camino Del Rio South, Suite 214 San Diego, CA 92108

H&P Project: EAP060823-11 Client Project: Clairemont Village Quad

Dear Steve Phillips:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 08-Jun-23 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Lisa Eminhizer Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the California ELAP and the National Environmental Laboratory Accreditation Conference (NELAC) for the fields of proficiency and analytes listed on those certificates. H& P is approved as an Environmental Testing Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs for the fields of proficiency and analytes included in the certification process and to the extent offered by the accreditation agency. Unless otherwise noted, accreditation certificate numbers, expiration of certificates, and scope of accreditation can be found at: www.handpmg.com/about/certifications. Fields of services and analytes contained in this report that are not listed on the certificates should be considered uncertified or unavailable for certification.

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EnviroApplications, Inc.	Project:	EAP060823-11	
2831 Camino Del Rio South, Suite 214	Project Number:	Clairemont Village Quad	Reported:
San Diego, CA 92108	Project Manager:	Steve Phillips	14-Jun-23 11:38

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
IA-1	E306029-01	Air	07-Jun-23	08-Jun-23
AA-1	E306029-02	Air	07-Jun-23	08-Jun-23

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

EnviroApplications, Inc. 2831 Camino Del Rio South, Suite 214 San Diego, CA 92108	Project: EAP060 Project Number: Clairemo Project Manager: Steve Ph		Reported: 14-Jun-23 11:38						
Sample ID: IA-1 Laboratory ID: E306029-01									
Analyte	Result	Limit	Units	Method	Notes				
Dichlorodifluoromethane (F12)	1.1	1.0	ug/m3	EPA TO-15					
Chloromethane	1.1	0.02	ug/m3	EPA TO-15	SIM-01				
Trichlorofluoromethane (F11)	1.2	0.56	ug/m3	EPA TO-15					
Methylene chloride (Dichloromethane)	0.32	0.04	ug/m3	EPA TO-15	SIM-01				
Chloroform	0.10	0.05	ug/m3	EPA TO-15	SIM-01				
1,2-Dichloroethane (EDC)	0.08	0.04	ug/m3	EPA TO-15	SIM-01				
Benzene	0.26	0.03	ug/m3	EPA TO-15	SIM-01				
Carbon tetrachloride	0.45	0.06	ug/m3	EPA TO-15	SIM-01				
Tetrachloroethene	0.55	0.07	ug/m3	EPA TO-15	SIM-01				
Sample ID: AA-1	Laboratory ID: E306	6029-02							
		Reporting							
Analyte	Result	Limit	Units	Method	Notes				
Dichlorodifluoromethane (F12)	1.1	1.0	ug/m3	EPA TO-15					
Chloromethane	1.1	0.02	ug/m3	EPA TO-15	SIM-01				
Trichlorofluoromethane (F11)	1.1	0.56	ug/m3	EPA TO-15					
Methylene chloride (Dichloromethane)	0.32	0.04	ug/m3	EPA TO-15	SIM-01				
Chloroform	0.05	0.05	ug/m3	EPA TO-15	SIM-01				
1,2-Dichloroethane (EDC)	0.04	0.04	ug/m3	EPA TO-15	SIM-01				
Benzene	0.26	0.03	ug/m3	EPA TO-15	SIM-01				
Carbon tetrachloride	0.38	0.06	ug/m3	EPA TO-15	SIM-01				
Tetrachloroethene	0.28	0.07	ug/m3	EPA TO-15	SIM-01				

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

EnviroApplications, Inc.	Project: EAP060823-11	
2831 Camino Del Rio South, Suite 214	Project Number: Clairemont Village Quad	Reported:
San Diego, CA 92108	Project Manager: Steve Phillips	14-Jun-23 11:38
	Volatile Organic Compounds by EPA TO-15	
	H&P Mobile Geochemistry, Inc.	
	Reporting Dilution	

Analyte	Result	Limit	Units	Factor	Batch	Prepared	Analyzed	Method	Notes
IA-1 (E306029-01) Air Sampled: 07-Jun-23	Received: 08-Jun-23								
Dichlorodifluoromethane (F12)	1.1	1.0	ug/m3	1	EF31008	12-Jun-23	13-Jun-23	EPA TO-15	
Chloromethane	1.1	0.02	"	"	"	"	"	"	SIM-01
Dichlorotetrafluoroethane (F114)	ND	0.71	"	"	"	"		"	
Vinyl chloride	ND	0.03	"	"	"	"		"	SIM-01
Bromomethane	ND	0.39	"	"	"	"	"	"	
Chloroethane	ND	0.27	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	1.2	0.56	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.04	"	"	"	"		"	SIM-01
1,1,2-Trichlorotrifluoroethane (F113)	ND	0.77	"	"	"	"		"	
Methylene chloride (Dichloromethane)	0.32	0.04	"	"	"	"	"	"	SIM-01
Carbon disulfide	ND	0.32	"	"	"	"		"	
trans-1,2-Dichloroethene	ND	0.04	"	"	"	"		"	SIM-01
1,1-Dichloroethane	ND	0.04	"	"	"	"		"	SIM-01
2-Butanone (MEK)	ND	0.60	"	"	"	"		"	
cis-1,2-Dichloroethene	ND	0.04	"	"	"	"		"	SIM-01
Chloroform	0.10	0.05	"	"	"	"		"	SIM-01
1,1,1-Trichloroethane	ND	0.06	"	"	"	"	"	"	SIM-01
1,2-Dichloroethane (EDC)	0.08	0.04	"	"	"	"		"	SIM-01
Benzene	0.26	0.03	"	"	"	"	"	"	SIM-01
Carbon tetrachloride	0.45	0.06	"	"	"	"		"	SIM-01
Trichloroethene	ND	0.05	"	"	"	"		"	SIM-01
1,2-Dichloropropane	ND	0.47	"	"	"	"		"	
Bromodichloromethane	ND	0.07	"	"	"	"		"	SIM-01
cis-1,3-Dichloropropene	ND	0.46	"	"	"	"		"	
4-Methyl-2-pentanone (MIBK)	ND	0.83	"	"	"	"		"	
trans-1,3-Dichloropropene	ND	0.46	"	"	"	"		"	
Toluene	ND	0.76	"	"	"	"		"	
1,1,2-Trichloroethane	ND	0.55	"	"	"	"		"	
2-Hexanone (MBK)	ND	0.83	"	"	"	"		"	
Dibromochloromethane	ND	1.7	"	"	"	"		"	
Tetrachloroethene	0.55	0.07	"	"	"	"		"	SIM-01
1,2-Dibromoethane (EDB)	ND	0.78	"	"	"	"		"	
1,1,1,2-Tetrachloroethane	ND	0.07	"	"	"	"		"	SIM-01
Chlorobenzene	ND	0.47	"	"	"	"		"	
Ethylbenzene	ND	0.44	"	"	"	"	"	"	
m,p-Xylene	ND	0.44	"	"	"	"	"	"	
Styrene	ND	0.43	"	"	"	"	"	"	
o-Xylene	ND	0.44	"	"	"	"	"	"	

1,1-Dichloroethene

Carbon disulfide

1,1-Dichloroethane

2-Butanone (MEK)

Chloroform

Benzene

cis-1,2-Dichloroethene

1,1,1-Trichloroethane

Carbon tetrachloride

1,2-Dichloropropane

Trichloroethene

1,2-Dichloroethane (EDC)

trans-1,2-Dichloroethene

1,1,2-Trichlorotrifluoroethane (F113)

Methylene chloride (Dichloromethane)

2470 Impala Drive Carlsbad, CA 92010 760-804-9678 Phone 760-804-9159 Fax

EnviroApplications, Inc.		Pr	oject: EA	P060823-11					
2831 Camino Del Rio South, Suite 214		Project Nu		Reported:					
San Diego, CA 92108		Project Mar	nager: Stev		14-Jun-23 11:38				
	Volatile	Organic (Compou	inds by l	EPA TO-	15			
	На	&P Mobil	e Geocl	nemistry	, Inc.				
		Reporting		Dilution					
Analyte	Result	Limit	Units	Factor	Batch	Prepared	Analyzed	Method	Notes
IA-1 (E306029-01) Air Sampled: 07-Jun-23	Received: 08-Jun	-23							
Bromoform	ND	1.0	ug/m3	1	EF31008	12-Jun-23	13-Jun-23	EPA TO-15	
1,1,2,2-Tetrachloroethane	ND	0.07	"	"	"	"	"	"	SIM-01
4-Ethyltoluene	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50		"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.61	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.61	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.61		"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.9		"	"	"	"	"	
Hexachlorobutadiene	ND	2.7	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		84.6 %	76-	134	"	"	"	"	
Surrogate: Toluene-d8		102 %	78-	125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	77-	127	"	"	"	"	
AA-1 (E306029-02) Air Sampled: 07-Jun-23	Received: 08-Jur	n-23							
Dichlorodifluoromethane (F12)	1.1	1.0	ug/m3	1	EF31008	12-Jun-23	13-Jun-23	EPA TO-15	
Chloromethane	1.1	0.02		"	"	"	"	"	SIM-01
Dichlorotetrafluoroethane (F114)	ND	0.71	"	"	"	"	"	"	
Vinyl chloride	ND	0.03		"	"	"	"	"	SIM-01
Bromomethane	ND	0.39		"	"	"	"	"	
Chloroethane	ND	0.27			"	"	"	"	
Trichlorofluoromethane (F11)	1.1	0.56	"	"	"		"	"	

ND

ND

0.32

ND

ND

ND

ND

ND

0.05

ND

0.04

0.26

0.38

ND

ND

0.04

0.77

0.04

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	Volatile Organic Compounds by EPA TO-15 H&P Mobile Geochemistry, Inc.	
2831 Camino Del Rio South, Suite 214 San Diego, CA 92108	Project Number: Clairemont Village Quad Project Manager: Steve Phillips	Reported: 14-Jun-23 11:38
EnviroApplications, Inc.	Project: EAP060823-11	

Analyte	Result	Limit	Unite	Factor	Batch	Prepared	Analyzed	Method	Notes
Лшагую	Result	Liillt	Units	Factor	Baten	riepaied	Anaryzeu	memou	110003
AA-1 (E306029-02) Air Sampled: 07-Jun	-23 Received: 08-Ju	in-23							
Bromodichloromethane	ND	0.07	ug/m3	1	EF31008	12-Jun-23	13-Jun-23	EPA TO-15	SIM-01
cis-1,3-Dichloropropene	ND	0.46	"	"	"	"		"	
4-Methyl-2-pentanone (MIBK)	ND	0.83	"	"	"	"		"	
trans-1,3-Dichloropropene	ND	0.46	"	"	"			"	
Toluene	ND	0.76	"	"	"	"		"	
1,1,2-Trichloroethane	ND	0.55	"	"	"	"		"	
2-Hexanone (MBK)	ND	0.83	"	"	"	"		"	
Dibromochloromethane	ND	1.7	"	"	"	"		"	
Tetrachloroethene	0.28	0.07	"	"	"	"		"	SIM-01
1,2-Dibromoethane (EDB)	ND	0.78	"	"	"	"		"	
1,1,1,2-Tetrachloroethane	ND	0.07	"	"	"	"		"	SIM-01
Chlorobenzene	ND	0.47	"	"	"	"		"	
Ethylbenzene	ND	0.44	"	"	"	"		"	
m,p-Xylene	ND	0.44	"	"	"	"	"	"	
Styrene	ND	0.43	"	"	"	"		"	
o-Xylene	ND	0.44	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"		"	
1,1,2,2-Tetrachloroethane	ND	0.07	"	"	"	"		"	SIM-01
4-Ethyltoluene	ND	0.50	"	"	"	"		"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"		"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.61	"	"	"	"		"	
1,4-Dichlorobenzene	ND	0.61	"	"	"	"		"	
1,2-Dichlorobenzene	ND	0.61	"	"	"	"		"	
1,2,4-Trichlorobenzene	ND	1.9	"	"	"	"		"	
Hexachlorobutadiene	ND	2.7	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		79.9 %	7	6-134	"	"	"	"	
Surrogate: Toluene-d8		103 %	7	8-125	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	7	7-127	"	"	"	"	

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EnviroApplications, Inc.	Project:	EAP060823-11	
2831 Camino Del Rio South, Suite 214	Project Number:	Clairemont Village Quad	Reported:
San Diego, CA 92108	Project Manager:	Steve Phillips	14-Jun-23 11:38

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte Batch EF31008 - TO-15	Result	Reporting		Spike	Source		%REC		RPD	
Batch EF31008 - TO-15		Linn	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Blank (EF31008-BLK1)				Prepared &	Analyzed:	12-Jun-23				
Dichlorodifluoromethane (F12)	ND	1.0	ug/m3							
Chloromethane	ND	0.02	"							SIM-0
Dichlorotetrafluoroethane (F114)	ND	0.71	"							
Vinyl chloride	ND	0.03	"							SIM-0
Bromomethane	ND	0.39	"							
Chloroethane	ND	0.27	"							
Trichlorofluoromethane (F11)	ND	0.56	"							
1,1-Dichloroethene	ND	0.04	"							SIM-0
1,1,2-Trichlorotrifluoroethane (F113)	ND	0.77	"							
Methylene chloride (Dichloromethane)	ND	0.04	"							SIM-0
Carbon disulfide	ND	0.32	"							
trans-1,2-Dichloroethene	ND	0.04	"							SIM-0
1,1-Dichloroethane	ND	0.04	"							SIM-0
2-Butanone (MEK)	ND	0.60	"							
cis-1,2-Dichloroethene	ND	0.04	"							SIM-01
Chloroform	ND	0.05	"							SIM-0
1,1,1-Trichloroethane	ND	0.06	"							SIM-0
1,2-Dichloroethane (EDC)	ND	0.04	"							SIM-0
Benzene	ND	0.03	"							SIM-0
Carbon tetrachloride	ND	0.06	"							SIM-0
Trichloroethene	ND	0.05	"							SIM-0
1,2-Dichloropropane	ND	0.47	"							
Bromodichloromethane	ND	0.07	"							SIM-0
cis-1,3-Dichloropropene	ND	0.46	"							
4-Methyl-2-pentanone (MIBK)	ND	0.83	"							
trans-1.3-Dichloropropene	ND	0.46	"							
Toluene	ND	0.76	"							
1.1.2-Trichloroethane		0.55	"							
2-Hexanone (MBK)	ND	0.83	"							
Dibromochloromethane	ND	1 7	"							
Tetrachloroethene	ND	0.07	"							SIM-0
1.2-Dibromoethane (EDB)	ND	0.78	"							5 0
1.1.1.2-Tetrachloroethane		0.07	"							SIM-0
Chlorobenzene		0.47	"							5111 01

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EnviroApplications, Inc.	Project:	EAP060823-11	
2831 Camino Del Rio South, Suite 214	Project Number:	Clairemont Village Quad	Reported:
San Diego, CA 92108	Project Manager:	Steve Phillips	14-Jun-23 11:38

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch EF31008 - TO-15							
Blank (EF31008-BLK1)				Prepared & Ana	lyzed: 12-Jun-23		
Ethylbenzene	ND	0.44	ug/m3				
m,p-Xylene	ND	0.44	"				
Styrene	ND	0.43	"				
o-Xylene	ND	0.44	"				
Bromoform	ND	1.0	"				
1,1,2,2-Tetrachloroethane	ND	0.07	"				SIM-0
4-Ethyltoluene	ND	0.50	"				
1,3,5-Trimethylbenzene	ND	0.50	"				
1,2,4-Trimethylbenzene	ND	0.50	"				
1,3-Dichlorobenzene	ND	0.61	"				
1,4-Dichlorobenzene	ND	0.61	"				
1,2-Dichlorobenzene	ND	0.61	"				
1,2,4-Trichlorobenzene	ND	1.9	"				
Hexachlorobutadiene	ND	2.7	"				
Surrogate: 1,2-Dichloroethane-d4	164		"	214	76.7	76-134	
Surrogate: Toluene-d8	210		"	208	101	78-125	
Surrogate: 4-Bromofluorobenzene	345		"	363	95.0	77-127	

LCS (EF31008-BS1)				Prepared & Ana	lyzed: 12-Jun-23		
Dichlorodifluoromethane (F12)	89.9	1.0	ug/m3	101	89.2	59-128	
Vinyl chloride	49.1	0.03	"	52.0	94.5	64-127	
Chloroethane	50.9	0.27	"	53.6	95.0	63-127	
Trichlorofluoromethane (F11)	102	0.56	"	113	90.5	62-126	
1,1-Dichloroethene	76.8	0.04	"	80.8	95.0	61-133	
1,1,2-Trichlorotrifluoroethane (F113)	149	0.77	"	155	95.7	66-126	
Methylene chloride (Dichloromethane)	66.7	0.04	"	70.8	94.3	62-115	
trans-1,2-Dichloroethene	77.0	0.04	"	80.8	95.4	67-124	
1,1-Dichloroethane	79.0	0.04	"	82.4	95.9	68-126	
cis-1,2-Dichloroethene	77.8	0.04	"	80.0	97.3	70-121	
Chloroform	90.9	0.05	"	99.2	91.6	68-123	
1,1,1-Trichloroethane	97.3	0.06	"	111	87.5	68-125	
1,2-Dichloroethane (EDC)	76.3	0.04	"	82.4	92.6	65-128	
Benzene	60.1	0.03	"	64.8	92.7	69-119	

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EnviroApplications, Inc.	Project:	EAP060823-11	
2831 Camino Del Rio South, Suite 214	Project Number:	Clairemont Village Quad	Reported:
San Diego, CA 92108	Project Manager:	Steve Phillips	14-Jun-23 11:38

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF31008 - TO-15										

LCS (EF31008-BS1)				Prepared & Ana	alyzed: 12-Jun-23	
Carbon tetrachloride	111	0.06	ug/m3	128	86.3	68-132
Trichloroethene	97.1	0.05	"	110	88.6	71-123
Toluene	72.3	0.76	"	76.8	94.2	66-119
1,1,2-Trichloroethane	101	0.55	"	111	90.7	73-119
Tetrachloroethene	129	0.07	"	138	93.3	66-124
1,1,1,2-Tetrachloroethane	131	0.07	"	140	93.2	67-129
Ethylbenzene	84.7	0.44	"	88.4	95.8	70-124
m,p-Xylene	85.6	0.44	"	88.4	96.9	61-134
o-Xylene	83.0	0.44	"	88.4	93.8	67-125
1,1,2,2-Tetrachloroethane	138	0.07	"	140	98.5	65-127
Surrogate: 1,2-Dichloroethane-d4	176		"	214	82.2	76-134
Surrogate: Toluene-d8	206		"	208	99.2	78-125
Surrogate: 4-Bromofluorobenzene	360		"	363	99.2	77-127

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EnviroApplications, Inc.	Project:	EAP060823-11	
2831 Camino Del Rio South, Suite 214	Project Number:	Clairemont Village Quad	Reported:
San Diego, CA 92108	Project Manager:	Steve Phillips	14-Jun-23 11:38

Notes and Definitions

SIM-01 Value determined by SIM analysis.

SIM-01 Value determined by SIM analysis.

LCC Leak Check Compound

- ND Analyte NOT DETECTED at or above the reporting limit
- MDL Method Detection Limit
- %REC Percent Recovery
- RPD Relative Percent Difference

All soil results are reported in wet weight.

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs through PJLA, accreditation number 69070 for EPA Method TO-15 and H&P 8260SV.

H&P is approved by the State of California as an Environmental Laboratory and Mobile Laboratory in conformance with the Environmental Laboratory Accreditation Program (ELAP) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste, certification number 2741.

H&P is approved by the State of Louisiana Department of Environmental Quality under the National Environmental Laboratory Accreditation Conference (NELAC) certification number 04138

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at www.handpmg.com/about/certifications.



2470 Impala Drive, Carlsbad, CA 92010 & Field Office - Signal Hill, CA W handpmg.com E info@handpmg.com P 760.804.9678 F 760.804.9159

VAPOR / AIR Chain of Custody

DATE: <u>6-7-73</u> Page <u>1</u> of <u>1</u>

	Lai	b Client an	d Projec	t Information								1 de	\$	Sample	e Rec	eipt (L	ab Us	e Only)	
Lab Client/Consultant: Enviro /	Appli ration	is Inc		Project Name / #: C	lairemont	- vill	me c	2000	1	1 B		Date	Rec'd:	618		Contro	ol #: 7	302	366	10.
Lab Client Project Manager: Stev	e Phillip	s		Project Location: 3	3055 Clar	remont	Dr.	Sm 1	2090			H&P F	Project	# E1	tpo	608	323-	11		
Lab Client Address: 2831 Cam	in Del R.	5 5 #2	.14	Report E-Mail(s):	C Q Call	0 1-	elica	tions .	on			Lab W	/ork Or	der #	E	= 30	50,	29		
Lab Client City, State, Zip: San	Dicio U	4 92108	1	Sphilly) & ENM	in the	F. C.C.					Samp	le Intac	t: 🕅 Y	'es 🔲	No 🗌] See N	lotes Bel	ow	
Phone Number: 619-29-	.3636										-	Rece	ipt Gau	ge ID:	612	10		Temp:	27	1
Reporting Requireme	ents	T	urnarour	nd Time	Sar	mpler Info	rmatio	n				Outsic	de Lab:							
Standard Report 🗌 Level III	Level IV	Stand	ard (7 day	s for preliminary	Sampler(s): S	. Phil	125					Recei	pt Note	s/Tracki	ng #:			13月		
Excel EDD Other EDD:		report	, 10 days f	or final report)	Signature:	sk														
CA Geotracker Global ID:		🗌 Rush	(specify):_		Date: 6-7	-23											Lab	PM Initia	als: 📈	B
Additional Instructions to Labor * Preferred VOC units (please ch □ μg/L ↓ μg/m ³ □ ppbv	ratory: noose one): ppmv							Full List]T0-15	t / Project List] TO-15] TO-15	□ TO-15m	Itic Fractions	mpound	v 8015m	ASTM D1945 2 □ N2	SIM (WUCS)	•		
SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard	VOCs Short List	Oxygenates	Naphthalene	TPHv as Gas	Aromatic/Alipha	Leak Check Con	Methane by EPA	Fixed Gases by	70-15			
1A-1	1.	6-7-3	8	IA IA	66	479	-3										X			
											-									
AA-7		6-223	8	AA	62	478	-2						_				X			
								<u> </u>											-	
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	11								~							-			-	
Approved/Relinquished by:	1	Company:	EAI	Date: 6-8-23	Time: 11/5	Received by.	Du	R	h	-		Company	P	6	Date	23		Time:	5	No. of Concession, Name
Approved/Relinquished by:		Company:		Date:	Time:	Received by:						Company		×	Date		2	Time:	-	
Approved/Relinquished by:		Company:		Date:	Time:	Received by:						Company	;		Date			Time:		

Air Sampling into Summa (Indoor, Outdoor, Ambient)

Site Address: 3055 Clairemont Dr. Son Dievo, CA 92117	Date: 6-7-23	
Project Name: Clairemont Village Quad - Deckers Pets Interior Resampling	Arrival Time: 0750/	1620
Sample Collector: 5. Phillips	Departure Time: 0915 //	710

	Samp	le Inforr	nation			Sampl	Sample Start		Sample Check		Sample Check		e End	
	Sample ID	Date	Summa ID #	Flow Controller ID #	Flow Rate (hrs or cc/min)	Start Time	Initial Vacuum ('' Hg)	Check Time	Check Vacuum (" Hg)	Check Time	Check Vacuum (" Hg)	End Time	End Vacuum (" Hg)	Field Notes
1	1A-1	6-7-23	479	F222	11,5	6840	29 "	1	1	1	1	1626	2"	Pecker's Pets Interior
2	AA-1	6-7-23	478	F186	11.5	0845	29")	1	1	I	1656	13"	Roof / Background
3														U
4														
5														
6														
7														
8														
9														
10														

Weather Conditions

Weather Summary: Overcast AM

HZ

Barometric Pressure:	29.97 in Ha
Ambient Temp Avg:	65° J
Ambient Temp High/Low:	67°162°
Indoor Air Temp Avg:	72"
Wind Speed/Direction:	SW/W,~7 Knofs
Other:	

Source	Location			
Traffi cleshoust	Parking Lot + Street			
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Household Products

Туре	Ingredient(s)		



2470 Impala Drive, Carlsbad, CA 92010 Los Angeles Field Office in Signal Hill, CA Ph: 800-834-9888 www.handpmg.com

EPA Method TO-15 (6-Liter Summa Canister)

		6-Liter RL/LOQ	6-Liter SIM RL/LOQ	
Analyte	CAS #	Vapor $(\mu g/m^3)$	Vapor $(\mu g/m^3)$	Notes
Dichlorodifluoromethane (F12)	75-71-8	1.00		
Chloromethane	74-87-3	0.21	0.02	SIM
Dichlorotetrafluoroethane (F114)	76-14-2	0.71		
Vinyl chloride	75-01-4	0.13	0.03	SIM
Bromomethane	74-83-9	0.39		
Chloroethane	75-00-3	0.27		
Trichlorofluoromethane (F11)	75-69-4	0.56		
1,1-Dichloroethene	75-35-4	0.40	0.04	SIM
Methylene chloride (Dichloromethane)	75-09-2	0.35	0.04	SIM
1,1,2-Trichlorotrifluoroethane (F113)	76-13-1	0.77		
Carbon disulfide	75-15-0	0.32		
trans-1,2-Dichloroethene	156-60-5	0.40	0.04	SIM
1,1-Dichloroethane	75-34-3	0.41	0.04	SIM
2-Butanone (MEK)	78-93-3	0.60		
cis-1,2-Dichloroethene	156-59-2	0.40	0.04	SIM
Chloroform	67-66-3	0.25	0.05	SIM
1,2-Dichloroethane (EDC)	107-06-2	0.41	0.04	SIM
1,1,1-Trichloroethane	71-55-6	0.55	0.06	SIM
Benzene	71-43-2	0.32	0.03	SIM
Carbon tetrachloride	56-23-5	0.64	0.06	SIM
1,2-Dichloropropane	78-87-5	0.47		
Bromodichloromethane	75-27-4	0.68	0.07	SIM
Trichloroethene	79-01-6	0.55	0.05	SIM
cis-1.3-Dichloropropene	10061-01-5	0.46	0.00	Shirt
4-Methyl-2-pentanone (MIBK)	108-10-1	0.83		
trans-1.3-Dichloropropene	10061-02-6	0.46		
1.1.2-Trichloroethane	79-00-5	0.55		
Toluene	108-88-3	0.76		
2-Hexanone (MBK)	591-78-6	0.41		
Dibromochloromethane	124-48-1	1.73		
1,2-Dibromoethane (EDB)	106-93-4	0.78		
Tetrachloroethene	127-18-4	0.69	0.07	SIM
1,1,1,2-Tetrachloroethane	630-20-6	0.70	0.07	SIM
Chlorobenzene	108-90-7	0.47		
Ethylbenzene	100-41-4	0.44		
m,p-Xylene	179601-23-1	0.44		
Bromoform	75-25-2	1.05		
Styrene	100-42-5	0.43		
1,1,2,2-Tetrachloroethane	79-34-5	0.70	0.07	SIM
o-Xylene	95-47-6	0.44		
4-Ethyltoluene	622-96-8	0.50		
1,3,5-Trimethylbenzene	108-67-8	0.50		
1,2,4-Trimethylbenzene	95-63-6	0.50		
1,3-Dichlorobenzene	541-73-1	0.61		
1,4-Dichlorobenzene	106-46-7	0.61		
1,2-Dichlorobenzene	95-50-1	0.61		
1,2,4-Trichlorobenzene	120-82-1	0.75		
Hexachlorobutadiene	87-68-3	2.14		