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Contractor License No. 843074

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By Alameda County Environmental Health 8:58 am, Mar 23, 2016

March 4, 2016

Mr. Mark Detterman
Alameda County LOP
1131 Harbor Bay Pkwy.
Alameda, California 94502

Re: Indoor Air Sampling Report (Report #5031)
Four Seasons Cleaners; Cleanup Program # RO0003155
13778 Doolittle Ave., San Leandro, California

Dear Mr. Detterman:

At the request of Mr. Ernest Lee of the Marina Faire Shopping Center, WellTest, Inc. (WTI) has prepared this *Indoor Air Sampling Report* for the above-referenced solvent release case. The purpose of this investigation was to 1) Confirm initial indoor air sampling data from within the former dry cleaner suite; 2) Assess indoor air conditions in the four commercial suites immediately adjoining the dry cleaner suite (with the HVAC units both on and off); and 3) Prepare a detailed map of the interior of the adjoining tenant spaces. In general, the investigation consisted of collecting a total of eight indoor air samples from the former dry cleaner suite and the adjoining tenant spaces.

Recent regulatory directive letters are presented as Attachment A, background information is presented as Attachment B, and laboratory analytical reports are presented as Attachment C. Additional supporting documentation is presented within Tables 1 through 4 and Figures 1 through 4.

Site Description

The site is located in a mixed commercial and residential area of San Leandro, California. The site parcel is approximately 5.05 acres and is improved with a multi-tenant strip mall and separate restaurant building. The dry cleaning unit is located within the strip mall and is associated with 13778 Doolittle Drive. The site lies at an elevation of approximately 15 feet above sea level and is relatively flat. The property is bounded by Doolittle Drive to the west, Fairway Drive to the north, Catalina Drive to the east and a commercial property to the south. A Site Vicinity Map is included in Figure 1.

Field Investigation

Map Preparation. As part of this investigation WTI created a detailed map of the former dry cleaner suite (now vacant) and the immediately adjoining tenant spaces. A copy of the map is presented in Figure 4.

Indoor Air Sampling. Prior to conducting indoor air sampling activities, as requested by the ACPWA, an Indoor Air Building Survey was conducted. Due to accessibility issues, the indoor air sampling events were conducted on February 13, 14, and 18, 2016. Samples were collected with both the HVAC systems turned on and off. The sampling events were conducted in general accordance with the DTSC's July 2015 *Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air* and the RWQCB's October 2014 *Interim Framework for Assessment of Vapor Intrusion at TCE-Contaminated Site in the San Francisco Bay Region.* A total of eight indoor air samples (IA-3-off through IA-9-off) were collected during the investigation. The sample locations are shown on Figures 3 and 4. Each sample was collected using an evacuated SUMA® canister (6-L) equipped with

a 24-hour flow regulator. Each canister was placed within the breathing zone (approximately 3 to 5 feet above ground surface) and care was taken to deploy the canisters away from the direct influence of any forced air emanating from air conditioners, furnaces, or heaters. The canister vacuum was measured using an integrated vacuum gauge immediately prior to and following the 24-hour sampling period. At the end of the sample period the canister valve was fully closed and the time recorded. Additional data, including: outside and interior temperatures, equipment serial numbers, sampler name, and other comments were also recorded. The air samples were analyzed at a California State-certified laboratory for VOCs (including PCE) by Test Method TO-15.

Analytical Results

In total, eight indoor air samples were collected and submitted for laboratory analysis. A summary of the current analytical results, along with historical sampling data, is presented in Table 1. The complete laboratory data sheets are presented in Appendix B. A brief summary of the analytical data is presented as follows:

- **PCE** was detected above laboratory detection limits in two of the eight samples submitted for analysis at concentrations of 560 µg/m^3 and 190 µg/m^3 in samples IA-9 and IA-9-off, respectively;
- **TCE** was not detected above laboratory detection limits in any of the samples submitted for analysis;
- **cis-1,2DCE** was not detected above laboratory detection limits in any of the samples submitted for analysis;
- **Vinyl chloride** was not detected above laboratory detection limits in any of the samples submitted for analysis;
- **Benzene** was not detected above laboratory detection limits in any of the samples submitted for analysis;
- **Toluene** was not detected above laboratory detection limits in any of the samples submitted for analysis;
- **Ethylbenzene** was not detected above laboratory detection limits in any of the samples submitted for analysis;
- **Xylenes (total)** were not detected above laboratory detection limits in any of the samples submitted for analysis;
- No other constituents of concern were detected at concentrations exceeding laboratory detection limits.

Discussion of Analytical Results

The only contaminants of concern (COCs), detected at concentrations exceeding laboratory detection limits during this current investigation, was PCE at 560 µg/m^3 (IA-9) and 190 µg/m^3 (IA-9-off) in the two samples collected from within the dentist office. The dentist office is located immediately adjacent to the former dry cleaner unit to the north. Sample IA-9 was collected over a 24-hour period with the HVAC system on and IA-9-off was collected with the HVAC system off. The detected concentrations of PCE significantly exceed the commercial/industrial environmental screening level (ESL) for PCE of 2.1µg/m^3.

No other COCs, including PCE, were detected above laboratory detection limits in any of the other samples submitted for analysis during this investigation. It should be noted, however, that the method detection limits (MDLs) used by the analytical laboratory during analysis are significantly higher than the corresponding environmental ESLs for several of the COCs. For example, the MDL for PCE used by the laboratory during this sampling event ranged from 20 µg/m^3 to 50 µg/m^3 while the commercial/industrial ESL for PCE is only 2.1 µg/m^3. Additionally, sample IA-8, was located within the former dry cleaner directly adjacent to historical indoor air sampling point IND-2 (see Figure 4). PCE was detected in IND-2 in October 2015 at a concentration of 18,000 µg/m^3, while PCE was not detected (<50 µg/m^3) in current sample IA-8 (see Table 1). Since sample IND-2 was collected, the dry cleaner facility has ceased operation and the unit has been vacated. It is unclear, at this juncture, if the difference in PCE concentrations is due to the closure of active dry cleaner operations or a difference in sampling methods (IA-8 was collected over 24 hours, IND-2 was collected over 8 hours).

Conclusions

The purpose of this investigation was 1) Confirm initial indoor air sampling data from within the former dry cleaner suite; 2) Assess indoor air conditions in the four commercial suites immediately adjoining the dry cleaner suite (with the HVAC units both on and off); and 3) Prepare a detailed map of the interior of the adjoining tenant spaces. Based upon the results of the investigation, and a review of historical data, WTI makes the following conclusions:

- A detailed site map of the former four seasons dry cleaner unit and the adjoining tenant spaces has been prepared and is presented as Figure 4.

- PCE was detected at concentrations of 560 µg/m^3 (IA-9) and 190 µg/m^3 (IA-9-off) in the two indoor air samples collected from within the dentist office, which is located directly adjacent to the former dry cleaner unit to the north. Sample IA-9 was collected over a 24-hour period with the HVAC system on and IA-9-off was collected with the HVAC system off. The detected concentrations of PCE significantly exceed the commercial/industrial ESL for PCE of 2.1µg/m^3.

- No contaminants of concern were detected at concentrations exceeding laboratory detection limits in any of the indoor air samples collected from the other tenant spaces immediately adjoining the former dry cleaner. However, the method detection limits (MDLs) used by the analytical laboratory during analysis are significantly higher than the corresponding environmental ESLs for several of the COCs. For example, the MDL for PCE used by the laboratory during this sampling event ranged from 20 µg/m^3 to 50 µg/m^3 while the commercial/industrial ESL for PCE is only 2.1 µg/m^3.

- Previous indoor air sampling results found during the initial indoor air investigation conducted in October 2015, were <u>not</u> confirmed by this current investigation. Sample IA-8, collected during this current investigation, was located within the former dry cleaner directly adjacent to historical indoor air sampling point IND-2 (see Figure 4). PCE was detected in IND-2 at a concentration of 18,000 µg/m^3, while PCE was not detected (<50 µg/m^3) in current sample IA-8 (see Table 1). Since sample IND-2 was collected, the dry cleaner facility has ceased operation and the unit has been vacated. It is unclear if the difference in PCE concentrations is due to the closure of active dry cleaner operations or a difference in sampling methods (IA-8 was collected over 24-hours, IND-2 was collected over 8-hours).

Recommendations

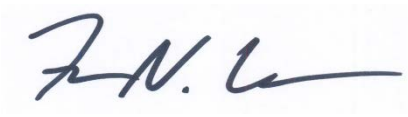
Based on the data collected during this investigation, review of historical information, and the above conclusions, WTI makes the following recommendations:

- Another round of indoor air sampling should be conducted within the now vacated former dry cleaner unit and the neighboring dentist office. The purpose of the sampling will be to 1) confirm the results of the samples collected from the dentist office during this current event, and 2) reconcile the differences in detected contamination concentrations between the current sampling event and the one conducted in October 2015. Sampling should be conducted over both 8-hour and 24-hour intervals. Additionally, the samples should be analyzed using EPA Test Method TO-15 SIM, instead of the previously used standard TO-15 test method. The TO-15 SIM Test Method will greatly reduce the detection limits used by the analytical laboratory. Also, care should be taken to ensure that the correct flow regulators are used on the sample canisters allowing for collection of full samples.

Certification

To the best of our knowledge, all statements made in this Report are true and correct. This Report is based on data provided by the client and others, site conditions observed, samples collected and analytical data. No warranty whatsoever is made that this report addresses all contamination found on the site. If you have any questions or comments, please contact WellTest, Inc. at (408) 287-2175. A copy of the client-authorization transmittal letter is provided in Attachment D.

Respectfully submitted,
WELLTEST, INC.



Forrest N. Cook
Associate Geologist
California Professional Geologist #8201 (expires 9/16/2016)

List of Tables, Figures, and Attachments

Distribution List

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Alameda, California 94502

Limitations

This report is based upon a limited specific scope of work per the request of Marina Faire Shopping Center. This report is intended only for the use of WTI's client and those listed in the distribution section of the report. WTI does not accept liability for unauthorized reliance or use by any other third party. WTI makes no express or implied warranty in regards to the contents of this report.

List of Acronyms

Bgs	below ground surface
BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
btoc	Below top of casing
1,2-DCA	1,2-Dichloroethane
DHS	State of California Department of Health Services
DO	Dissolved oxygen
DTW	Depth to water
DWR	Department of Water Resources
DIPE	Di-isopropyl ether
ELAP	Environmental Laboratory Accreditation Program
EC	Electrical conductivity
EDB	1,2-dibromoethane
ETBE	Ethyl tert butyl ether
Eth	Ethanol
ft	foot or feet
ft/ft	feet per feet
FTU	Field Turbidity Unit
GW	Groundwater
IPA	Isopropyl Alcohol
MCL	Maximum Contaminant Level
Meth	Methanol
MSL	Mean Sea Level
MTBE	Methyl-t-butyl-ether
mg/L	milligram per liter
mV	millivolts
MW	Monitoring Well
NGVD	National Geodetic Vertical Datum of 1929
NA	Not Analyzed
NM	Not Measured
ORP	Oxidation reduction potential
PCE	Tetrachloroethylene
P.G.	Professional Geologist
ppmv	parts per million by volume
QA/QC	Quality Assurance/Quality Control
SCCDEH	Santa Clara County Department of Environmental Health
SCVWD	Santa Clara Valley Water District
TAME	Tert amyl methyl ether
TBA	Tert butyl alcohol
TDS	Total dissolved solids
TOC	Top of casing
TPHg	Gasoline range (C6-C12) Volatile hydrocarbons as gasoline
ug/L	micrograms per liter
uS	micro Siemens
UST	Underground storage tank
VOC	Volatile Organic Compound
WELLTEST	WellTest, Inc.
^{o}F - ^{o}C	degrees Fahrenheit - degrees Celsius

TABLES

SOURCE: USGS 1:24,000 SCALE SERIES, SAN LEANDRO QUAD

APPROX. SCALE

0 0.75 1.5 MI

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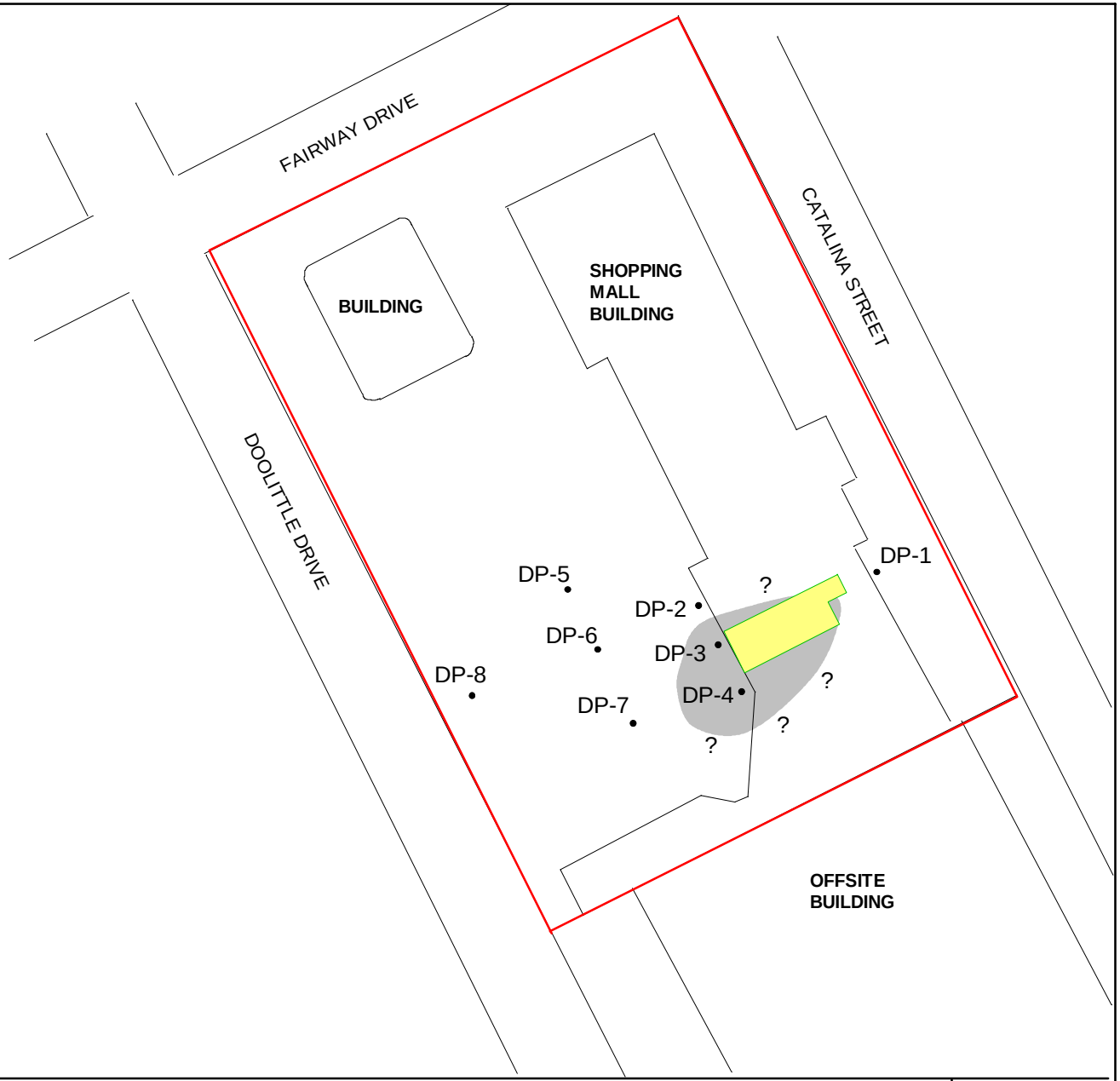
13778 DOOLITTLE AVE.
SAN LEANDRO, CALIFORNIA

SITE VICINITY MAP

FIGURE

1



N

0 75 150

APPROXIMATE SCALE IN FEET

LEGEND

DP-8 • EXPLORATORY BORING (02/18/15)

FOUR SEASONS CLEANERS

PARCEL 80G-931-1-5

PRELIMINARY ESTIMATE OF LATERAL EXTENT OF SHALLOW GROUNDWATER IMPACTED BY VOLATILE ORGANIC COMPOUNDS

ALL LOCATIONS ARE APPROXIMATE

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Phone (408) 287-2175

EXTENDED SITE MAP SHOWING BORING DP-1 THROUGHT DP-8 (02/18/15)

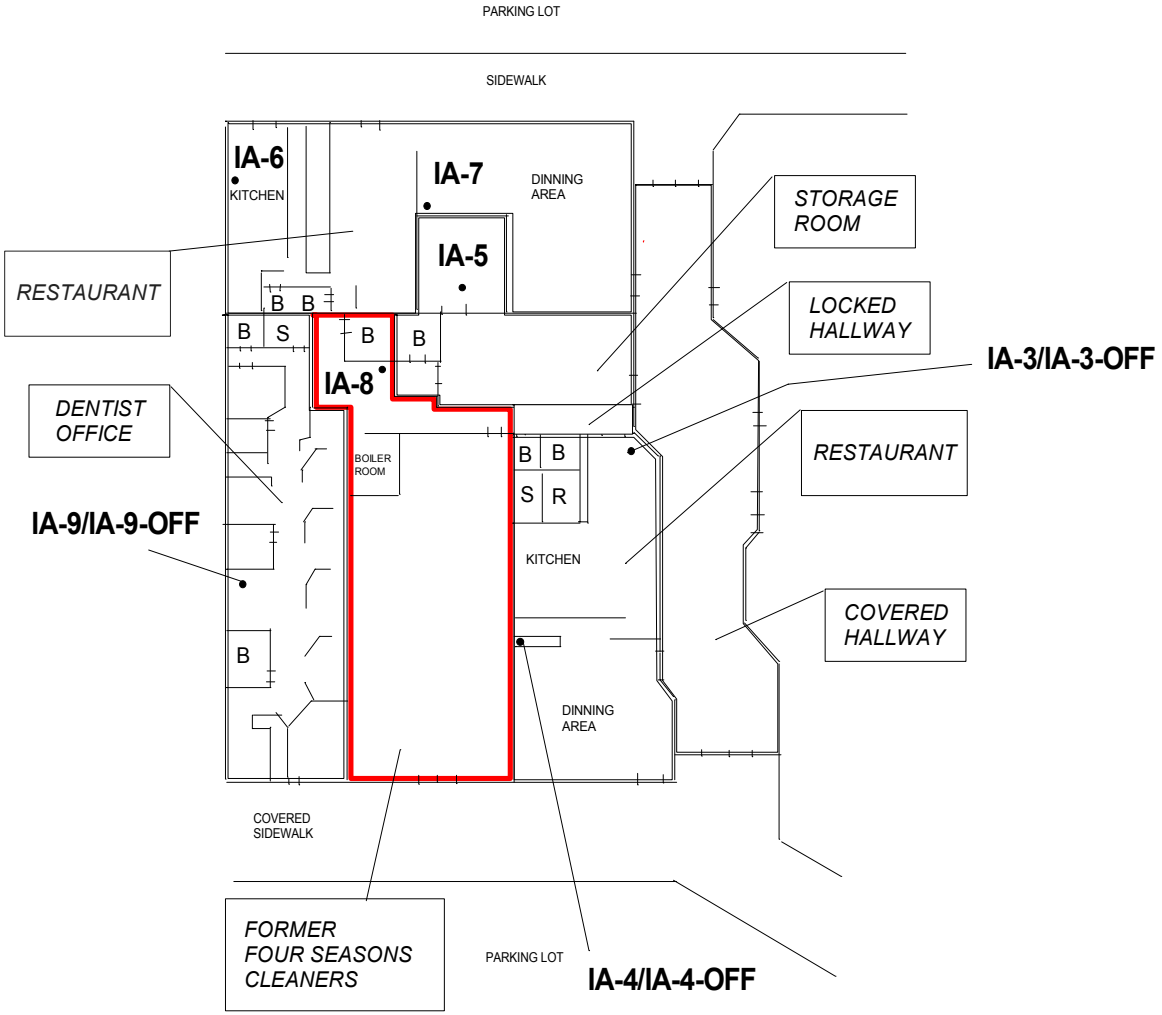
FOUR SEASONS CLEANERS
13778 DOOLITTLE DRIVE
SAN LEANDRO, CALIFORNIA

FIGURE 2

File: 4401/Figure 2

LEGEND

- • INDOOR AIR SAMPLE (24-HOUR SUMMA SAMPLE)
- R REFRIGERATOR
- B BATHROOM
- S STORAGE
- PERIMETER OF THE FORMER DRY CLEANER BUSINESS (FOUR SEASONS CLEANERS)



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APPROXIMATE SCALE IN FEET

ALL LOCATIONS ARE APPROXIMATE.
BASEMAP FROM MEASUREMENTS
TAKING BY WELLTEST (FEBRUARY 2016)

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GENERALIZED SITE MAP SHOWING THE FORMER DRY CLEANER BUSINESS UNIT, ADJACENT BUSINESSES, AND CURRENT SAMPLING LOCATIONS

FOUR SEASONS CLEANERS
13778 DOOLITTLE AVENUE
SAN LEANDRO, CALIFORNIA

FIGURE 3

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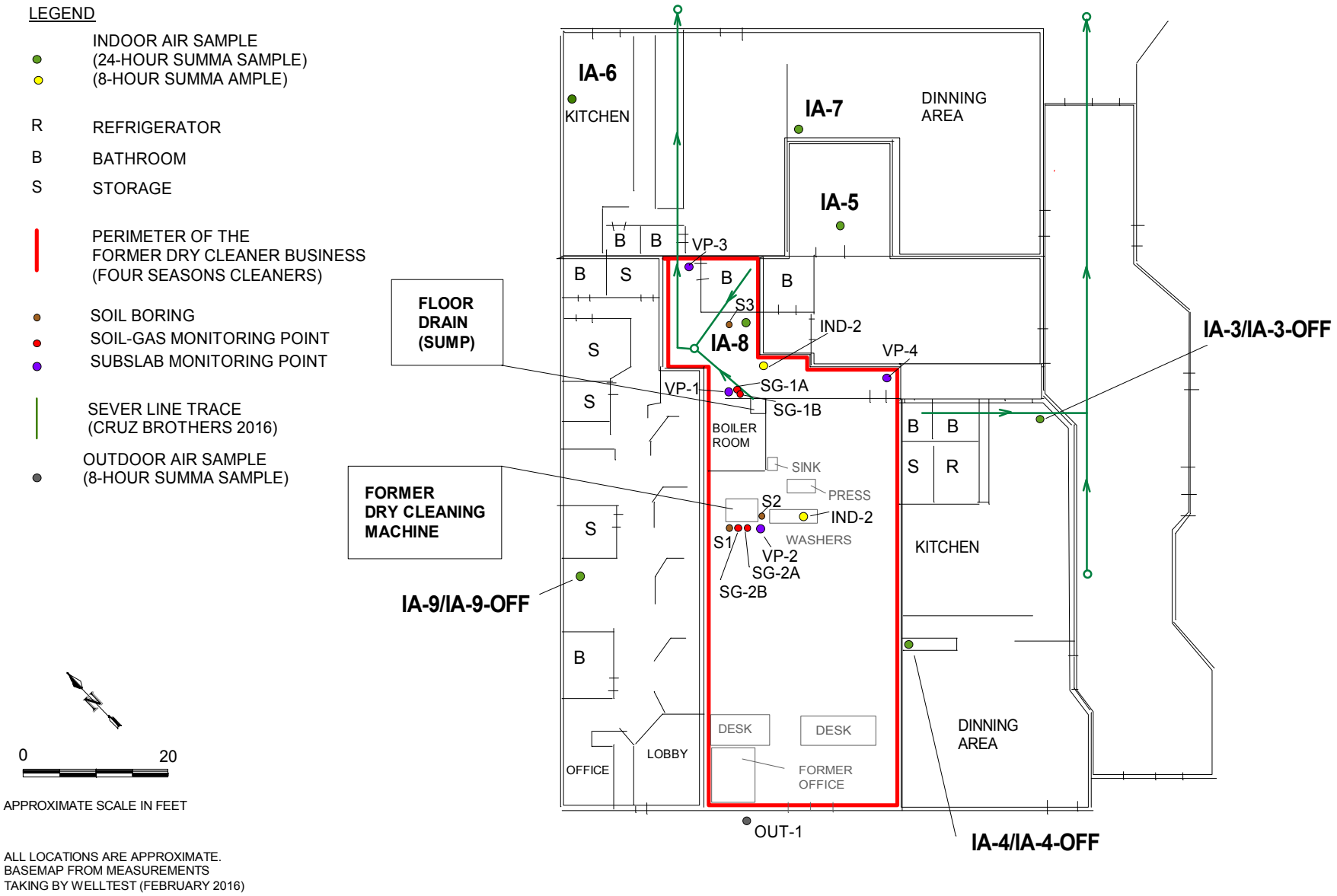

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GENERALIZED SITE MAP SHOWING HISTORIC AND CURRENT SAMPLING LOCATIONS

FOUR SEASONS CLEANERS
13778 DOOLITTLE AVENUE
SAN LEANDRO, CALIFORNIA

FIGURE
4

File: 5031/Drafting/Figure 4

FIGURES

TABLE 1

SUMMARY OF CURRENT & HISTORICAL INDOOR & OUTDOOR AIR ANALYTICAL DATA

13778 DOOLITTLE DRIVE, SAN LEANDRO, CA

Sample ID	Sample Date	B ($\mu g/m^3$)	T ($\mu g/m^3$)	E ($\mu g/m^3$)	o-Xyl ($\mu g/m^3$)	p&m-Xyl ($\mu g/m^3$)	PCE ($\mu g/m^3$)	TCE ($\mu g/m^3$)	cis-1,2DCE ($\mu g/m^3$)	VC ($\mu g/m^3$)	IPA ($\mu g/m^3$)
OUT-1	10/30/15	ND<11	ND<8.6	ND<7.6	ND<6.7	ND<17	**1,500**	**32**	ND<10	ND<13	ND<13
IND-1	10/30/15	ND<13	ND<10	ND<6.9	ND<7.9	ND<19	**220**	ND<22	ND<12	ND<15	ND<15
IND-2	10/30/15	ND<12	ND<9.2	ND<8.1	ND<7.2	ND<18	**18,000**	**240**	**49**	ND<14	ND<14
IA-3-off	02/14/16	ND<9.8	ND<7.5	ND<6.6	ND<5.8	ND<14	ND<22	ND<16	ND<9.1	ND<11	ND<11
IA-4	02/13/16	ND<9.8	ND<7.5	ND<6.6	ND<5.8	ND<14	ND<22	ND<16	ND<9.1	ND<11	ND<11
IA-4-off	02/14/16	ND<11	ND<8.5	ND<7.4	ND<6.6	ND<16	ND<25	ND<19	ND<10	ND<13	ND<12
IA-5	02/13/16	ND<8.9	ND<6.8	ND<6.0	ND<5.3	ND<13	ND<20	ND<15	ND<8.3	ND<10	ND<10
IA-7	02/18/16	ND<9.1	ND<6.9	ND<6.0	ND<5.4	ND<13	ND<21	ND<15	ND<8.4	ND<11	ND<10
IA-8	02/13/16	ND<22	ND<17	ND<15	ND<13	ND<32	ND<50	ND<37	ND<20	ND<26	ND<25
IA-9[1]	02/23/16	ND<18	ND<14	ND<12	ND<11	ND<37	**560**	ND<30	ND<17	ND<21	ND<20
IA-9-off	02/24/16	ND<11	ND<8.0	ND<7.0	ND<6.3	ND<15	**190**	ND<18	ND<9.8	ND<12	**1,700**
ESLs Comm/Ind.		**0.42**	**1,300**	**4.9**	**440**		**2.1**	**3.0**	**35**	**0.16**	**NA**

--- = Parameter not analyzed

<0.5 / ND = Not present at or above reporting detection limit

ug/m^3 = micrograms per cubic meter = ppmv

ESLs = Environmental Screening Levels, Directi Exposure - Feb 2016

off = sample collected with HVAC system turned off

B = Benzene

T = Toluene

E = Ethylbenzene

Xyl = Xylenes

MtBE = Methyl-t-butyl ether

PCE = Tetrachloroethene

TCE = Trichloroethene

VC = Vinyl Chloride

cis-1,2DCE = cis-1,2-Dichloroethene

IPA = Isopropyl Alcohol

1 = dichlorodifluoromethane @ 2,100 ug/m3, 1,2-Dicholo-1,1,2,2-tetrafluoroethane @ 490 ug/m3, and Trichlorofluoromethane @ 240 ug/m3

TABLE 2

SUMMARY OF HISTORICAL SOIL VAPOR ANALYTICAL DATA

13778 DOOLITTLE DRIVE, SAN LEANDRO, CA

Sample ID	Sample Depth (ft)	Sample Date	B ($\mu g/m^3$)	T ($\mu g/m^3$)	E ($\mu g/m^3$)	o-Xyl ($\mu g/m^3$)	p&m-Xyl ($\mu g/m^3$)	PCE ($\mu g/m^3$)	TCE ($\mu g/m^3$)	cis-1,2DCE ($\mu g/m^3$)	VC ($\mu g/m^3$)	IPA ($\mu g/m^3$)
S1 Air	0.5	08/10/14	ND	ND	ND	ND	ND	**63,000**	**890**	ND<320	ND<210	NA
S2 Air	0.5	08/10/14	ND	ND	ND	ND	ND	**240,000**	**16,000**	ND<960	ND<620	NA
S3 Air	0.5	08/10/14	ND	ND	ND	ND	ND	**4,500,000**	**92,000**	ND<20,000	ND<13,000	NA
SG-1A	5.0	10/30/15	**590**	**1,800**	ND<43	ND<38	ND<94	**20,000,000**	**810,000**	**170,000**	ND<75	**3,900**
SG-2A	5.0	10/30/15	ND<67	ND<51	ND<45	ND<40	ND<98	**1,300,000**	**180,000**	**50,000**	ND<78	ND<75
VP-1	subslab	10/30/15	ND<69	ND<52	ND<46	ND<41	ND<100	**2,900,000**	**140,000**	**18,000**	ND<80	ND<77
VP-2	subslab	10/30/15	ND<63	ND<48	ND<42	ND<38	ND<92	**180,000**	**12,000**	**220**	ND<74	**370,000**
VP-3	subslab	10/30/15	ND<63	ND<48	ND<42	ND<38	ND<92	**470,000**	**5,400**	ND<58	ND<74	ND<71
VP-4	subslab	10/30/15	ND<56	ND<43	ND<38	ND<34	ND<83	**160,000**	**7,300**	**200**	ND<66	**27,000**

--- = Parameter not analyzed
<0.5 / ND = Not present at or above reporting detection limit
ug/m^3 = micrograms per cubic meter = ppmv
ESLs = Environmental Screening Levels, May 2013
CHHSL Comm/Ind. = California Human Health Screening Level, January 2005
B = Benzene
T = Toluene
E = Ethylbenzene
Xyl = Xylenes
MtBE = Methyl-t-butyl ether
PCE = Tetrachloroethene
TCE = Trichloroethene
VC = Vinyl Chloride
cis-1,2DCE = cis-1,2-Dichloroethene
IPA = Isopropyl Alcohol

TABLE 3

SUMMARY OF HISTORICAL SOIL ANALYTICAL DATA

13778 DOOLITTLE DRIVE, SAN LEANDRO, CA

Sample ID	Sample Depth (ft)	Sample Date	TPHd (mg/Kg)	B (mg/Kg)	T (mg/Kg)	E (mg/Kg)	o-Xyl (mg/Kg)	p&m-Xyl (mg/Kg)	PCE (mg/Kg)	TCE (mg/Kg)	cis-1,2DCE (mg/Kg)	VC (mg/Kg)	Other VOCs (mg/Kg)
S1 d 0.5'	0.5	08/10/14	**3.2**	ND	ND	ND	ND	ND	**0.056**	ND	ND	ND	All ND
S2 d 0.5'	0.5	08/10/14	**2.6**	ND	ND	ND	ND	ND	**0.045**	ND	ND	ND	All ND
S3 d 0.5'	0.5	08/10/14	**2.1**	ND	ND	ND	ND	ND	**0.1**	ND	ND	ND	All ND
S3 d 2'	2.0	08/10/14	ND<1.0	ND	ND	ND	ND	ND	**20**	ND	ND	ND	All ND
S3 d 5'	5.0	08/10/14	ND<1.0	ND	ND	ND	ND	ND	**2.4**	ND	ND	ND	All ND
DP-1d15.0	15.0	02/18/15	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	All ND
DP-2d14.5	14.5	02/18/15	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	All ND
DP-3d14.0	14.0	02/18/15	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	All ND
DP-4d14.5	14.5	02/18/15	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	All ND
DP-5d8.0	8.0	02/18/15	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	All ND
DP-6d15.0	15.0	02/18/15	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	All ND
DP-7d15.0	15.0	02/18/15	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	All ND
DP-8d15.0	15.0	02/18/15	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	All ND
SG-1Ad2.0	2.0	10/13/15	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**65**	**0.32**	**0.13**	ND<0.005	All ND
SG-1Ad5.0	5.0	10/13/15	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**18**	**0.24**	**0.13**	ND<0.005	All ND
SG-2Ad2.0	2.0	10/13/15	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**1.9**	**0.07**	**0.0021**	ND<0.005	All ND
SG-2Ad5.0	5.0	10/13/15	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.37**	**0.046**	**0.02**	ND<0.005	All ND
SG-1Bd2.0	2.0	10/13/15	---	ND<0.005	**0.0015**	ND<0.005	ND<0.005	ND<0.005	**160**	**1.2**	**0.14**	ND<0.005	All ND
SG-1Bd5.0	5.0	10/13/15	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**40**	**0.26**	**0.11**	ND<0.005	All ND
SG-1Bd7.0	7.0	10/13/15	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**2.2**	**0.2**	**0.15**	ND<0.005	All ND
SG-2Bd2.0	2.0	10/13/15	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.77**	**0.029**	ND<0.005	ND<0.005	All ND
SG-2Bd5.0	5.0	10/13/15	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.25**	**0.014**	**0.0045**	ND<0.005	All ND
SG-2Bd8.5	8.5	10/13/15	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**0.16**	**0.024**	**0.018**	ND<0.005	All ND
		ESLs Comm/Ind.	**500**	**0.044**	**2.9**	**3.3**	**2.3**		**0.7**	**0.46**	**0.19**	**0.032**	**varies**

--- = Parameter not analyzed
<0.5 / ND = Not present at or above reporting detection limit
mg/Kg = milligrams per kilogram = ppm
ESLs = Environmental Screening Levels, May 2013
B = Benzene
T = Toluene
E = Ethylbenzene
Xyl = Xylenes
MtBE = Methyl-t-butyl ether
PCE = Tetrachloroethene
TCE = Trichloroethene
VC = Vinyl Chloride
cis-1,2DCE = cis-1,2-Dichloroethene

TABLE 4

SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL DATA

13778 DOOLITTLE DRIVE, SAN LEANDRO, CA

Sample ID	Sample Date	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MtBE (µg/L)	PCE (µg/L)	TCE (µg/L)	cis-1,2DCE (µg/L)	trans-1,2DCE (µg/L)	VC (µg/L)	Other VOCs (µg/L)
S-3*	08/10/14	---	---	---	---	---	**750**	**51**	**7.6**	ND<7.1	ND<7.1	All ND
DP-1	02/18/15	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	All ND
DP-2	02/18/15	ND<0.50	ND<0.50	ND<0.50	ND<1.0	**0.55**	ND<0.50	**0.69**	ND<0.50	ND<0.50	ND<0.50	All ND
DP-3	02/18/15	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	**160**	**35**	**6.6**	ND<0.50	ND<0.50	All ND
DP-4	02/18/15	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	**12,000**	**2,100**	**610**	**11**	ND<0.50	All ND
DP-5	02/18/15	ND<0.50	ND<0.50	ND<0.50	ND<1.0	**0.61**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	All ND
DP-6	02/18/15	ND<0.50	ND<0.50	ND<0.50	ND<1.0	**1.6**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	All ND
DP-7	02/18/15	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	**0.77**	ND<0.50	ND<0.50	ND<0.50	All ND
DP-8	02/18/15	ND<0.50	ND<0.50	ND<0.50	ND<1.0	**0.84**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	All ND
SG-1B	10/13/15	**0.18**	**0.38**	ND<0.50	ND<1.0	ND<0.50	**2,200**	**130**	**88**	**4.3**	ND<0.50	All ND[1]
SG-2B	10/13/15	**0.43**	**0.15**	ND<0.50	ND<1.0	ND<0.50	**1,500**	**480**	**280**	**22**	**0.34**	All ND[2]
ESLs Comm/Ind.		**1.0**	**40.0**	**30.0**	**20.0**	**5.0**	**5.0**	**5.0**	**6.0**	**10.0**	**0.5**	**varies**

--- = Parameter not analyzed

<0.5 / ND = Not present at or above reporting detection limit

mg/Kg = milligrams per kilogram = ppm

ESLs = Environmental Screening Levels, May 2013

B = Benzene MtBE = Methyl-t-butyl ether PCE = Tetrachloroethene

T = Toluene TCE = Trichloroethene

E = Ethylbenzene VC = Vinyl Chloride

Xyl = Xylenes (total) cis-1,2DCE = cis-1,2-Dichloroethene

1 = chlorobenzene @ 0.25 ug/L and chloroform @ 1.2 ug/L

2 = chlorobenzene @ 0.51 ug/L and chloroform @ 0.19 ug/L

ATTACHMENT A

Recent Regulatory Directive Letter

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
REBBECA GEBHART, Acting Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

February 10, 2016

Mr. Ernie Lee
Marina Faire, Shopping Center
3271 South Highland Drive, Suite 704
Las Vegas, NV 89109
(Sent via email to ernestlee@gmail.com)

Subject: Conditional Work Plan Approval; Site Cleanup Program Case No. RO0003155 and Geotracker Global ID T10000006425, Four Seasons Cleaners, 13778 Doolittle Drive, San Leandro, CA 94577

Dear Mr. Lee:

Alameda County Department of Environmental Health (ACDEH) staff has reviewed the case file including the *Indoor Air Sampling Work Plan,* dated February 5, 2016 (submitted February 10, 2016). The work plan was prepared and submitted on your behalf by Well Test, Inc (WTI). Thank you for submitting the work plan. Thank you for also submitting documentation that the former dry cleaner suite tenant has vacated the premises. The work plan proposed the collection of at least five indoor air vapor samples in the four commercial suites surrounding the former dry cleaner location as an initial step in assessing vapor intrusion risks to adjacent suites at the shopping center.

Based on ACDEH staff review of the work plan, the proposed scope of work is conditionally approved for implementation provided that the technical comments below are incorporated during the proposed work. Submittal of a revised work plan or a work plan addendum is not required unless an alternate scope of work outside that described in the work plan or these technical comments is proposed. We request that you address the following technical comments, perform the proposed work, and send us the report described below. Please provide at least a 24-hour advance written notification to this office (e-mail preferred to: mark.detterman@acgov.org) prior to the start of field activities.

TECHNICAL COMMENTS

1. **Work Plan Modifications** – The referenced work plan proposes a series of actions with which ACDEH is in general agreement of undertaking; however, ACDEH requests several modifications to the approach. Please submit a report by the date specified below.

    a. **Dry Cleaner Suite Indoor Air Confirmation Resampling** – Figure 3 of the referenced work plan does not indicate that indoor air at the dry cleaner suite will be resampled to confirm the initial analytical data. The resampling of this suite will additionally provide initial information on concentration variability at the suite. Therefore, ACDEH requests the inclusion of one sampling location in the dry cleaner suite, at the location of IND-2 to capture worst case concentrations.

    b. **Deli / Restaurant Indoor Air Sampling** – In order to capture variability within a suite, especially within individually partitioned rooms, it appears appropriate to request a second indoor air sample in the "back" area of the suite identified as a deli / restaurant. ACDEH is not aware of tenant suite configurations, but anticipates that the "back" area of this suite has been partitioned off from the main restaurant area and is closest to the boiler room of the dry cleaner suite.

    c. **Tenant Suite Mapping** – Please include, at a minimum, a sketch map of tenant suite partitioning for each of the five tenant suites with analytical data to be submitted by February 26, 2016, as requested below, and as previously requested. Please be aware that the

primary intent of this work effort is to quickly obtain indoor air analytical at adjacent suites; the tenant suite map should not delay the primary focus of data collection, but may allow an initial understanding of the indoor air sampling results.

d. **HVAC System** – The referenced work plan indicates that a second indoor air sample will be collected at any suite with a Heating, Ventilation, Air Conditioning (HVAC) system. In order to ensure comparability, please initially collect all suites in a similar manner (HVAC off or on), and then repeat with indoor air sampling with the HVAC system on or off (the reverse). This can allow an initial determination of HVAC methods to minimize the intrusion of vapors from the subsurface into a tenant suite.

2. **Utility Conduit Locations** – Initial partial utility run locations have been mapped out on report and work plan figures. Please additionally consult any building plans held internally or at the City in order to quickly determine utility runs for subsequent confirmation. As noted above, this request is not intended to delay the submittal of indoor air sample analytical data, but provide a known forward path for utility location determinations at the site.

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACDEH ftp site (Attention: Mark Detterman), and to the State Water Resources Control Board's Geotracker website, in accordance with the specified file naming convention below, according to the following schedule:

- **February 12, 2016** - Indoor Air Sampling
- **To Be Determined** – Preliminary Data Submittal
  Email to Case Worker upon Receipt
- **February 26, 2016** – Vapor Intrusion Report
  File to be named: RO3155_SWI_R_yyyy-mm-dd

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

Online case files are available for review at the following website: http://www.acgov.org/aceh/index.htm.

If you have any questions, please do not hesitate to call me at (510) 567-6876 or send me an electronic mail message at mark.detterman@acgov.org.

Sincerely,

Digitally signed by Mark Detterman
DN: cn=Mark Detterman, o=ACEH, ou=ACEH, email=mark.detterman@acgov.org, c=US
Date: 2016.02.10 17:43:26 -08'00'

Mark E. Detterman, PG, CEG
Senior Hazardous Materials Specialist

Enclosures: Attachment 1 – Responsible Party (ies) Legal Requirements / Obligations
Electronic Report Upload (ftp) Instructions

cc: Ms. Julie D'Hondt, Marina Faire, LP, 3271 S. Highland Drive, Suite 704, Las Vegas, NV 89109
(Sent via email to highlandofficelv3@gmail.com)

Bill Dugan, Well Test, Inc; P.O. Box 8548, San Jose, CA 95115 (Sent via E-mail to: dugan@welltest.biz)

Forrest Cook, Well Test, Inc; P.O. Box 8548, San Jose, CA 95115 (Sent via E-mail to: Cook@welltest.biz)

Dilan Roe, ACDEH, (Sent via electronic mail to dilan.roe@acgov.org)
Mark Detterman, ACDEH, (sent via electronic mail to mark.detterman@acgov.org)
Electronic File, GeoTracker

ATTACHMENT B

Background Information

ATTACHMENT B
Site Description, Background, and Geology/Hydrogeology Details
13778 Doolittile Drive, San Leandro, CA
Case # RO0003155

A description of the site, the history of the site and project, and the hydrogeologic characteristics of the site are summarized in the following subsections.

Site Description: The site is located in a mixed commercial and residential area of San Leandro, California. The site parcel is approximately 5.05 acres and is improved with a multi-tenant strip mall and separate restaurant building. The dry cleaning unit is located within the strip mall and is associated with 13778 Doolittle Drive. The site lies at an elevation of approximately 15 feet above sea level and is relatively flat. The property is bounded by Doolittle Drive to the west, Fairway Drive to the north, Catalina Drive to the east and a commercial property to the south.

Previous Site Investigations: A *Limited Phase II Soil, Water, and Soil Vapor Investigation* prepared by PIERS Environmental Services, Inc. (PIERS) for the subject site in August 2014. The results of the PIERS report indicated that the subsurface at the subject site has been significantly impacted by the common dry cleaning solvent tetrachloroethylene (PCE) and its breakdown products trichloroethene (TCE) and cis-1,2-dichloroethen (cis-1,2DCE). The likely source of the identified impacts is the on-site dry cleaner which, reportedly, historically used and stored these solvents. Based upon the results of the PIERS investigation, WTI prepared a *Soil and Water Investigation Work Plan* for the subject site, which outlined a specific set of tasks to further define the scope and extent of subsurface soil and water contamination. The Work Plan was submitted to the Alameda County Health Care Services Agency (ACHCSA), the local oversight program, and was approved (with comments) in their January 15, 2015 Directive Letter. WTI implemented the scope of the Work Plan in February 2015, which included the collection of soil and grab groundwater samples from eight temporary borings. The results of the investigation are presented in WTI's *Soil and Water Investigation Report and Vapor Assessment Work Plan*, dated March 6, 2015.

ATTACHMENT C

Laboratory Data Sheets

Date of Report: 03/02/2016

Bill Dugan

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Client Project:	Four Seasons Cleaners
BCL Project:	Air Samples
BCL Work Order:	1605144
Invoice ID:	B228454

Enclosed are the results of analyses for samples received by the laboratory on 2/19/2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Misty Orton
Client Service Rep

Authorized Signature

Table of Contents

BC LABORATORIES

4100 Atlas Court Bakersfield, Ca. 93308
(661) 327-4911 • FAX (661) 327-1918 • www.bclabs.com

Chain of Custody

16-05144

* Required Fields

TEMP: ____

Client/Company Name *:	Report Attention *:	Phone * #: / FAX * #	E-mail:
WellTest, Inc.	Bill Dugan	408 287-2175 / 408 287-2176	dugan@welltest.biz

Address *	City *	State *	Zip *
P.O. Box 8548	San Jose	CA	95155-8548

Project Information: Four Seasons Cleaners — 13778 Doolittle Drive, San Leandro, CA

PO # 5035

BCL Quote #

How would you like your completed results sent? ☑ E-Mail ☐ Fax ☐ EDD ☐ Mail Only

Sampler Name Printed / Signature: Bill Dugan

QC Request: ☑ STD ☐ Level II

Result Request ** Surcharge: ☐ STD ☑ 5 Day** ☐ 2 Day** ☐ 1 Day**

Carbon Copies: CDHS ☐ Fresno Co ☐ EPA ☐ Merced Co ☐ Tulare Co ☐ Other:

Regulatory Compliance Electronic Data Transfer: Y ☑ N ☐ System No. * T10000006425

ANALYSIS REQUESTED

Matrix Types: RSW = Raw Surface Water; RGW = Raw Ground Water; CFW = Clorinated Finished Water; FW = Finished Water; CWW = Chorinated Waste Water; WW = Waste Water; BW = Bottled Water; SW = Storm Water; DW = Drinking Water; SO = Solid

Sample #	# Bottles	Sampled Date	Sampled Time	Sample Description / Location *	Matrix *	Comments / Station Code	TO-15 VOCs including PCE
1	1 6L	2/13/16	11:37	IA-3 SN 816 / 03874 16 1/2" Hg	Air	Results in ug/m3 HOLD	
2	1 6L	2/14/16	9:09 pm	IA-3-off SN 801 / 03893 17" Hg	Air	Results in ug/m3	✓
3	1 6L	2/13/16	11:38	IA-4 SN 804 / 0302 16" Hg	Air	Results in ug/m3	✓
4	1 6L	2/14/16	9:08 pm	IA-4-off SN C8340 / 03662 16" Hg	Air	Results in ug/m3	✓
5	1 6L	2/13/16	12:16	IA-5 SN 482 / 03657 15" Hg	Air	Results in ug/m3	✓
6	1 6L	2/13/16	12:24	IA-8 SN 5524 / 03791 20" Hg	Air	Results in ug/m3	✓

Note: Sample Names to be used as Field Point Names

Note: All samples in 6L Summa Canisters

CHK'BY DISTRIBUTION AIR LAB SUB-OUT

Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by: (Signature and Print Name)	Company
	WellTest, Inc.	2-19-16 ~~2-20-16~~	12:55 pm	PBMS BCL	2/19/16 12:55 pm
Relinquished by: (Signature and Printed Name) BCL 2/19/16 1401	Company	Date	Time	Received by: (Signature and Print Name)	Company BCLab 2-19-16 1401
Received for Lab by: (Signature and Printed Name)		Date	Time	Payment Received at Delivery: Date: Amount: Check/Cash/Card PIA # Init.	

Shipping Method: CAO UPS GSO WALK-IN SJVC FED EX OTHER

Cooling Method: WET BLUE NONE

Packing Material: NONE

Recby Ross Dickey 2-19-16 1545
Rel by Ross Dickey 2-19-16 1830 REC.

REL. Mary Bogan 2-19-16 1545
REL. 2/19/16 2130 REC. 2/19 2130

SR-FL-0012-04 (Analytical)

Chain of Custody and Cooler Receipt Form for 1605144 Page 2 of 3

BC LABORATORIES INC. COOLER RECEIPT FORM Page 1 Of 2

Submission #: 16-0514Y

SHIPPING INFORMATION
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☐ None ☐ Box ☒
Other ☐ (Specify)_____

FREE LIQUID
YES ☐ NO ☐

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

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

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

COC Received ☒ YES ☐ NO

Emissivity: _____ Container: Summa Thermometer ID: _____ Date/Time 2/19 2159

Temperature: (A) Room °C / (C) TEMP °C Analyst Init DDP

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER	A	A	A	A	A	A				

D 2-20

Comments:
Sample Numbering Completed By: DDP Date/Time: 2/19/16 2326
A = Actual / C = Corrected

Rev 20 07/24/2015
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Chain of Custody and Cooler Receipt Form for 1605144 Page 3 of 3

BC LABORATORIES INC. COOLER RECEIPT FORM Page 2 Of 2

Submission #: 16-05144

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

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

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

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

COC Received ☒ YES ☐ NO

Emissivity: _____ Container: Summa Thermometer ID: _____

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

Date/Time 2/19 2159

Analyst Init DDP

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER					A	A				

Comments:_____

Sample Numbering Completed By: JKS Date/Time: 2-20-16 1245

A = Actual / C = Corrected

Rev 20 07/24/2015

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Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/02/2016 14:49
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1605144-01	**COC Number:**	---	**Receive Date:**	02/19/2016 21:30
	Project Number:	Four Seasons Cleaners	**Sampling Date:**	02/13/2016 11:37
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	IA-3 SN 816/03874	**Lab Matrix:**	Air
	Sampled By:	Bill Dugan of WTI	**Sample Type:**	Gas Chromatography
1605144-02	**COC Number:**	---	**Receive Date:**	02/19/2016 21:30
	Project Number:	Four Seasons Cleaners	**Sampling Date:**	02/14/2016 21:09
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	IA-3-off SN 801/03893	**Lab Matrix:**	Air
	Sampled By:	Bill Dugan of WTI	**Sample Type:**	Gas Chromatography
1605144-03	**COC Number:**	---	**Receive Date:**	02/19/2016 21:30
	Project Number:	Four Seasons Cleaners	**Sampling Date:**	02/13/2016 11:38
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	IA-4 SN 804/0302	**Lab Matrix:**	Air
	Sampled By:	Bill Dugan of WTI	**Sample Type:**	Gas Chromatography
1605144-04	**COC Number:**	---	**Receive Date:**	02/19/2016 21:30
	Project Number:	Four Seasons Cleaners	**Sampling Date:**	02/14/2016 21:08
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	IA-4-off SN C8340/03662	**Lab Matrix:**	Air
	Sampled By:	Bill Dugan of WTI	**Sample Type:**	Gas Chromatography
1605144-05	**COC Number:**	---	**Receive Date:**	02/19/2016 21:30
	Project Number:	Four Seasons Cleaners	**Sampling Date:**	02/13/2016 12:16
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	IA-5 SN 482/03657	**Lab Matrix:**	Air
	Sampled By:	Bill Dugan of WTI	**Sample Type:**	Gas Chromatography
1605144-06	**COC Number:**	---	**Receive Date:**	02/19/2016 21:30
	Project Number:	Four Seasons Cleaners	**Sampling Date:**	02/13/2016 12:24
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	IA-8 SN 5524/03791	**Lab Matrix:**	Air
	Sampled By:	Bill Dugan of WTI	**Sample Type:**	Gas Chromatography

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/02/2016 14:49
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

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

BCL Sample ID: 1605144-02 | **Client Sample Name:** Four Seasons Cleaners, IA-3-off SN 801/03893, 2/14/2016 9:09:00PM, Bill Dugan

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acetone	ND	ug/m3	120	7.3	EPA-TO-15	ND	A01	1
Acrylonitrile	ND	ug/m3	47	8.2	EPA-TO-15	ND	A01	1
Allyl chloride	ND	ug/m3	47	6.8	EPA-TO-15	ND	A01	1
Benzene	ND	ug/m3	47	9.8	EPA-TO-15	ND	A01	1
Benzyl chloride	ND	ug/m3	230	6.1	EPA-TO-15	ND	A01	1
Bromodichloromethane	ND	ug/m3	120	19	EPA-TO-15	ND	A01	1
Bromoform	ND	ug/m3	230	15	EPA-TO-15	ND	A01	1
Bromomethane	ND	ug/m3	47	15	EPA-TO-15	ND	A01	1
1,3-Butadiene	ND	ug/m3	47	9.4	EPA-TO-15	ND	A01	1
Carbon disulfide	ND	ug/m3	47	8.9	EPA-TO-15	ND	A01	1
Carbon tetrachloride	ND	ug/m3	120	26	EPA-TO-15	ND	A01	1
Chlorobenzene	ND	ug/m3	120	19	EPA-TO-15	ND	A01	1
Chloroethane	ND	ug/m3	47	15	EPA-TO-15	ND	A01	1
Chloroform	ND	ug/m3	120	17	EPA-TO-15	ND	A01	1
Chloromethane	ND	ug/m3	47	9.4	EPA-TO-15	ND	A01	1
Cyclohexane	ND	ug/m3	47	6.6	EPA-TO-15	ND	A01	1
Dibromochloromethane	ND	ug/m3	120	33	EPA-TO-15	ND	A01	1
1,2-Dibromoethane	ND	ug/m3	120	22	EPA-TO-15	ND	A01	1
1,2-Dichlorobenzene	ND	ug/m3	120	7.3	EPA-TO-15	ND	A01	1
1,3-Dichlorobenzene	ND	ug/m3	120	8.2	EPA-TO-15	ND	A01	1
1,4-Dichlorobenzene	ND	ug/m3	120	7.3	EPA-TO-15	ND	A01	1
Dichlorodifluoromethane	ND	ug/m3	120	26	EPA-TO-15	ND	A01	1
1,1-Dichloroethane	ND	ug/m3	120	13	EPA-TO-15	ND	A01	1
1,2-Dichloroethane	ND	ug/m3	120	12	EPA-TO-15	ND	A01	1
1,1-Dichloroethene	ND	ug/m3	120	15	EPA-TO-15	ND	A01	1
cis-1,2-Dichloroethene	ND	ug/m3	47	9.1	EPA-TO-15	ND	A01	1
trans-1,2-Dichloroethene	ND	ug/m3	47	12	EPA-TO-15	ND	A01	1
1,2-Dichloropropane	ND	ug/m3	120	16	EPA-TO-15	ND	A01	1
cis-1,3-Dichloropropene	ND	ug/m3	120	6.1	EPA-TO-15	ND	A01	1
trans-1,3-Dichloropropene	ND	ug/m3	120	7.7	EPA-TO-15	ND	A01	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	120	23	EPA-TO-15	ND	A01	1
1,1-Difluoroethane	ND	ug/m3	120	47	EPA-TO-15	ND	A01	1
1,4-Dioxane	ND	ug/m3	47	10	EPA-TO-15	ND	A01	1

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/02/2016 14:49
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

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

BCL Sample ID: 1605144-02 | **Client Sample Name:** Four Seasons Cleaners, IA-3-off SN 801/03893, 2/14/2016 9:09:00PM, Bill Dugan

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethanol	ND	ug/m3	47	14	EPA-TO-15	ND	A01	1
Ethyl acetate	ND	ug/m3	47	11	EPA-TO-15	ND	A01	1
Ethylbenzene	ND	ug/m3	120	6.6	EPA-TO-15	ND	A01	1
1-Ethyl-4-methylbenzene	ND	ug/m3	120	11	EPA-TO-15	ND	A01	1
n-Heptane	ND	ug/m3	47	12	EPA-TO-15	ND	A01	1
Hexachlorobutadiene	ND	ug/m3	230	13	EPA-TO-15	ND	A01	1
Hexane	ND	ug/m3	120	11	EPA-TO-15	ND	A01	1
2-Hexanone	ND	ug/m3	120	4.9	EPA-TO-15	ND	A01	1
Isopropyl alcohol	ND	ug/m3	47	11	EPA-TO-15	ND	A01	1
Methylene chloride	ND	ug/m3	230	17	EPA-TO-15	ND	A01	1
Methyl ethyl ketone	ND	ug/m3	47	6.3	EPA-TO-15	ND	A01	1
Methyl isobutyl ketone	ND	ug/m3	120	13	EPA-TO-15	ND	A01	1
Methyl t-butyl ether	ND	ug/m3	47	6.1	EPA-TO-15	ND	A01	1
Propylene	ND	ug/m3	47	6.6	EPA-TO-15	ND	A01	1
Styrene	ND	ug/m3	120	5.1	EPA-TO-15	ND	A01	1
1,1,2,2-Tetrachloroethane	ND	ug/m3	120	14	EPA-TO-15	ND	A01	1
Tetrachloroethene	ND	ug/m3	47	22	EPA-TO-15	ND	A01	1
Tetrahydrofuran	ND	ug/m3	47	8.4	EPA-TO-15	ND	A01	1
Toluene	ND	ug/m3	47	7.5	EPA-TO-15	ND	A01	1
1,2,4-Trichlorobenzene	ND	ug/m3	230	170	EPA-TO-15	ND	A01	1
1,1,1-Trichloroethane	ND	ug/m3	120	19	EPA-TO-15	ND	A01	1
1,1,2-Trichloroethane	ND	ug/m3	120	21	EPA-TO-15	ND	A01	1
Trichloroethene	ND	ug/m3	47	16	EPA-TO-15	ND	A01	1
Trichlorofluoromethane	ND	ug/m3	120	37	EPA-TO-15	ND	A01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	120	23	EPA-TO-15	ND	A01	1
1,2,4-Trimethylbenzene	ND	ug/m3	120	5.8	EPA-TO-15	ND	A01	1
1,3,5-Trimethylbenzene	ND	ug/m3	120	7.7	EPA-TO-15	ND	A01	1
Vinyl acetate	ND	ug/m3	47	12	EPA-TO-15	ND	A01	1
Vinyl chloride	ND	ug/m3	47	11	EPA-TO-15	ND	A01	1
p- & m-Xylenes	ND	ug/m3	120	14	EPA-TO-15	ND	A01	1
o-Xylene	ND	ug/m3	120	5.8	EPA-TO-15	ND	A01	1
Total Xylenes	ND	ug/m3	230	20	EPA-TO-15	ND	A01	1
4-Bromofluorobenzene (Surrogate)	75.6	%	70 - 130 (LCL - UCL)		EPA-TO-15			1

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/02/2016 14:49
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

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

BCL Sample ID: 1605144-02 | **Client Sample Name:** Four Seasons Cleaners, IA-3-off SN 801/03893, 2/14/2016 9:09:00PM, Bill Dugan

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-TO-15	02/29/16	02/29/16 15:06	MJB	MS-A1	23.400	BZB2858

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/02/2016 14:49
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

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

BCL Sample ID: 1605144-03 | **Client Sample Name:** Four Seasons Cleaners, IA-4 SN 804/0302, 2/13/2016 11:38:00AM, Bill Dugan

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acetone	ND	ug/m3	120	7.3	EPA-TO-15	ND	A01	1
Acrylonitrile	ND	ug/m3	47	8.2	EPA-TO-15	ND	A01	1
Allyl chloride	ND	ug/m3	47	6.8	EPA-TO-15	ND	A01	1
Benzene	ND	ug/m3	47	9.8	EPA-TO-15	ND	A01	1
Benzyl chloride	ND	ug/m3	230	6.1	EPA-TO-15	ND	A01	1
Bromodichloromethane	ND	ug/m3	120	19	EPA-TO-15	ND	A01	1
Bromoform	ND	ug/m3	230	15	EPA-TO-15	ND	A01	1
Bromomethane	ND	ug/m3	47	15	EPA-TO-15	ND	A01	1
1,3-Butadiene	ND	ug/m3	47	9.4	EPA-TO-15	ND	A01	1
Carbon disulfide	ND	ug/m3	47	8.9	EPA-TO-15	ND	A01	1
Carbon tetrachloride	ND	ug/m3	120	26	EPA-TO-15	ND	A01	1
Chlorobenzene	ND	ug/m3	120	19	EPA-TO-15	ND	A01	1
Chloroethane	ND	ug/m3	47	15	EPA-TO-15	ND	A01	1
Chloroform	ND	ug/m3	120	17	EPA-TO-15	ND	A01	1
Chloromethane	ND	ug/m3	47	9.4	EPA-TO-15	ND	A01	1
Cyclohexane	ND	ug/m3	47	6.6	EPA-TO-15	ND	A01	1
Dibromochloromethane	ND	ug/m3	120	33	EPA-TO-15	ND	A01	1
1,2-Dibromoethane	ND	ug/m3	120	22	EPA-TO-15	ND	A01	1
1,2-Dichlorobenzene	ND	ug/m3	120	7.3	EPA-TO-15	ND	A01	1
1,3-Dichlorobenzene	ND	ug/m3	120	8.2	EPA-TO-15	ND	A01	1
1,4-Dichlorobenzene	ND	ug/m3	120	7.3	EPA-TO-15	ND	A01	1
Dichlorodifluoromethane	ND	ug/m3	120	26	EPA-TO-15	ND	A01	1
1,1-Dichloroethane	ND	ug/m3	120	13	EPA-TO-15	ND	A01	1
1,2-Dichloroethane	ND	ug/m3	120	12	EPA-TO-15	ND	A01	1
1,1-Dichloroethene	ND	ug/m3	120	15	EPA-TO-15	ND	A01	1
cis-1,2-Dichloroethene	ND	ug/m3	47	9.1	EPA-TO-15	ND	A01	1
trans-1,2-Dichloroethene	ND	ug/m3	47	12	EPA-TO-15	ND	A01	1
1,2-Dichloropropane	ND	ug/m3	120	16	EPA-TO-15	ND	A01	1
cis-1,3-Dichloropropene	ND	ug/m3	120	6.1	EPA-TO-15	ND	A01	1
trans-1,3-Dichloropropene	ND	ug/m3	120	7.7	EPA-TO-15	ND	A01	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	120	23	EPA-TO-15	ND	A01	1
1,1-Difluoroethane	ND	ug/m3	120	47	EPA-TO-15	ND	A01	1
1,4-Dioxane	ND	ug/m3	47	10	EPA-TO-15	ND	A01	1

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/02/2016 14:49
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

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

BCL Sample ID: 1605144-03 | **Client Sample Name:** Four Seasons Cleaners, IA-4 SN 804/0302, 2/13/2016 11:38:00AM, Bill Dugan

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethanol	ND	ug/m3	47	14	EPA-TO-15	ND	A01	1
Ethyl acetate	ND	ug/m3	47	11	EPA-TO-15	ND	A01	1
Ethylbenzene	ND	ug/m3	120	6.6	EPA-TO-15	ND	A01	1
1-Ethyl-4-methylbenzene	ND	ug/m3	120	11	EPA-TO-15	ND	A01	1
n-Heptane	ND	ug/m3	47	12	EPA-TO-15	ND	A01	1
Hexachlorobutadiene	ND	ug/m3	230	13	EPA-TO-15	ND	A01	1
Hexane	ND	ug/m3	120	11	EPA-TO-15	ND	A01	1
2-Hexanone	ND	ug/m3	120	4.9	EPA-TO-15	ND	A01	1
Isopropyl alcohol	ND	ug/m3	47	11	EPA-TO-15	ND	A01	1
Methylene chloride	ND	ug/m3	230	17	EPA-TO-15	ND	A01	1
Methyl ethyl ketone	ND	ug/m3	47	6.3	EPA-TO-15	ND	A01	1
Methyl isobutyl ketone	ND	ug/m3	120	13	EPA-TO-15	ND	A01	1
Methyl t-butyl ether	ND	ug/m3	47	6.1	EPA-TO-15	ND	A01	1
Propylene	ND	ug/m3	47	6.6	EPA-TO-15	ND	A01	1
Styrene	ND	ug/m3	120	5.1	EPA-TO-15	ND	A01	1
1,1,2,2-Tetrachloroethane	ND	ug/m3	120	14	EPA-TO-15	ND	A01	1
Tetrachloroethene	ND	ug/m3	47	22	EPA-TO-15	ND	A01	1
Tetrahydrofuran	ND	ug/m3	47	8.4	EPA-TO-15	ND	A01	1
Toluene	ND	ug/m3	47	7.5	EPA-TO-15	ND	A01	1
1,2,4-Trichlorobenzene	ND	ug/m3	230	170	EPA-TO-15	ND	A01	1
1,1,1-Trichloroethane	ND	ug/m3	120	19	EPA-TO-15	ND	A01	1
1,1,2-Trichloroethane	ND	ug/m3	120	21	EPA-TO-15	ND	A01	1
Trichloroethene	ND	ug/m3	47	16	EPA-TO-15	ND	A01	1
Trichlorofluoromethane	ND	ug/m3	120	37	EPA-TO-15	ND	A01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	120	23	EPA-TO-15	ND	A01	1
1,2,4-Trimethylbenzene	ND	ug/m3	120	5.8	EPA-TO-15	ND	A01	1
1,3,5-Trimethylbenzene	ND	ug/m3	120	7.7	EPA-TO-15	ND	A01	1
Vinyl acetate	ND	ug/m3	47	12	EPA-TO-15	ND	A01	1
Vinyl chloride	ND	ug/m3	47	11	EPA-TO-15	ND	A01	1
p- & m-Xylenes	ND	ug/m3	120	14	EPA-TO-15	ND	A01	1
o-Xylene	ND	ug/m3	120	5.8	EPA-TO-15	ND	A01	1
Total Xylenes	ND	ug/m3	230	20	EPA-TO-15	ND	A01	1
4-Bromofluorobenzene (Surrogate)	80.6	%	70 - 130 (LCL - UCL)		EPA-TO-15			1

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/02/2016 14:49
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

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

BCL Sample ID: 1605144-03 | **Client Sample Name:** Four Seasons Cleaners, IA-4 SN 804/0302, 2/13/2016 11:38:00AM, Bill Dugan

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-TO-15	02/29/16	02/29/16 15:38	MJB	MS-A1	23.400	BZB2858

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/02/2016 14:49
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

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

BCL Sample ID: 1605144-04 | **Client Sample Name:** Four Seasons Cleaners, IA-4-off SN C8340/03662, 2/14/2016 9:08:00PM, Bill Dugan

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acetone	ND	ug/m3	130	8.2	EPA-TO-15	ND	A01	1
Acrylonitrile	ND	ug/m3	53	9.3	EPA-TO-15	ND	A01	1
Allyl chloride	ND	ug/m3	53	7.7	EPA-TO-15	ND	A01	1
Benzene	ND	ug/m3	53	11	EPA-TO-15	ND	A01	1
Benzyl chloride	ND	ug/m3	260	6.9	EPA-TO-15	ND	A01	1
Bromodichloromethane	ND	ug/m3	130	21	EPA-TO-15	ND	A01	1
Bromoform	ND	ug/m3	260	17	EPA-TO-15	ND	A01	1
Bromomethane	ND	ug/m3	53	17	EPA-TO-15	ND	A01	1
1,3-Butadiene	ND	ug/m3	53	11	EPA-TO-15	ND	A01	1
Carbon disulfide	ND	ug/m3	53	10	EPA-TO-15	ND	A01	1
Carbon tetrachloride	ND	ug/m3	130	29	EPA-TO-15	ND	A01	1
Chlorobenzene	ND	ug/m3	130	22	EPA-TO-15	ND	A01	1
Chloroethane	ND	ug/m3	53	17	EPA-TO-15	ND	A01	1
Chloroform	ND	ug/m3	130	20	EPA-TO-15	ND	A01	1
Chloromethane	ND	ug/m3	53	11	EPA-TO-15	ND	A01	1
Cyclohexane	ND	ug/m3	53	7.4	EPA-TO-15	ND	A01	1
Dibromochloromethane	ND	ug/m3	130	37	EPA-TO-15	ND	A01	1
1,2-Dibromoethane	ND	ug/m3	130	25	EPA-TO-15	ND	A01	1
1,2-Dichlorobenzene	ND	ug/m3	130	8.2	EPA-TO-15	ND	A01	1
1,3-Dichlorobenzene	ND	ug/m3	130	9.3	EPA-TO-15	ND	A01	1
1,4-Dichlorobenzene	ND	ug/m3	130	8.2	EPA-TO-15	ND	A01	1
Dichlorodifluoromethane	ND	ug/m3	130	29	EPA-TO-15	ND	A01	1
1,1-Dichloroethane	ND	ug/m3	130	15	EPA-TO-15	ND	A01	1
1,2-Dichloroethane	ND	ug/m3	130	14	EPA-TO-15	ND	A01	1
1,1-Dichloroethene	ND	ug/m3	130	17	EPA-TO-15	ND	A01	1
cis-1,2-Dichloroethene	ND	ug/m3	53	10	EPA-TO-15	ND	A01	1
trans-1,2-Dichloroethene	ND	ug/m3	53	14	EPA-TO-15	ND	A01	1
1,2-Dichloropropane	ND	ug/m3	130	19	EPA-TO-15	ND	A01	1
cis-1,3-Dichloropropene	ND	ug/m3	130	6.9	EPA-TO-15	ND	A01	1
trans-1,3-Dichloropropene	ND	ug/m3	130	8.7	EPA-TO-15	ND	A01	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	130	26	EPA-TO-15	ND	A01	1
1,1-Difluoroethane	ND	ug/m3	130	53	EPA-TO-15	ND	A01	1
1,4-Dioxane	ND	ug/m3	53	12	EPA-TO-15	ND	A01	1

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/02/2016 14:49
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

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

BCL Sample ID: 1605144-04 | **Client Sample Name:** Four Seasons Cleaners, IA-4-off SN C8340/03662, 2/14/2016 9:08:00PM, Bill Dugan

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethanol	ND	ug/m3	53	16	EPA-TO-15	ND	A01	1
Ethyl acetate	ND	ug/m3	53	12	EPA-TO-15	ND	A01	1
Ethylbenzene	ND	ug/m3	130	7.4	EPA-TO-15	ND	A01	1
1-Ethyl-4-methylbenzene	ND	ug/m3	130	12	EPA-TO-15	ND	A01	1
n-Heptane	ND	ug/m3	53	13	EPA-TO-15	ND	A01	1
Hexachlorobutadiene	ND	ug/m3	260	14	EPA-TO-15	ND	A01	1
Hexane	ND	ug/m3	130	12	EPA-TO-15	ND	A01	1
2-Hexanone	ND	ug/m3	130	5.6	EPA-TO-15	ND	A01	1
Isopropyl alcohol	ND	ug/m3	53	12	EPA-TO-15	ND	A01	1
Methylene chloride	ND	ug/m3	260	19	EPA-TO-15	ND	A01	1
Methyl ethyl ketone	ND	ug/m3	53	7.2	EPA-TO-15	ND	A01	1
Methyl isobutyl ketone	ND	ug/m3	130	14	EPA-TO-15	ND	A01	1
Methyl t-butyl ether	ND	ug/m3	53	6.9	EPA-TO-15	ND	A01	1
Propylene	ND	ug/m3	53	7.4	EPA-TO-15	ND	A01	1
Styrene	ND	ug/m3	130	5.8	EPA-TO-15	ND	A01	1
1,1,2,2-Tetrachloroethane	ND	ug/m3	130	15	EPA-TO-15	ND	A01	1
Tetrachloroethene	ND	ug/m3	53	25	EPA-TO-15	ND	A01	1
Tetrahydrofuran	ND	ug/m3	53	9.5	EPA-TO-15	ND	A01	1
Toluene	ND	ug/m3	53	8.5	EPA-TO-15	ND	A01	1
1,2,4-Trichlorobenzene	ND	ug/m3	260	190	EPA-TO-15	ND	A01	1
1,1,1-Trichloroethane	ND	ug/m3	130	22	EPA-TO-15	ND	A01	1
1,1,2-Trichloroethane	ND	ug/m3	130	23	EPA-TO-15	ND	A01	1
Trichloroethene	ND	ug/m3	53	19	EPA-TO-15	ND	A01	1
Trichlorofluoromethane	ND	ug/m3	130	42	EPA-TO-15	ND	A01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	130	26	EPA-TO-15	ND	A01	1
1,2,4-Trimethylbenzene	ND	ug/m3	130	6.6	EPA-TO-15	ND	A01	1
1,3,5-Trimethylbenzene	ND	ug/m3	130	8.7	EPA-TO-15	ND	A01	1
Vinyl acetate	ND	ug/m3	53	13	EPA-TO-15	ND	A01	1
Vinyl chloride	ND	ug/m3	53	13	EPA-TO-15	ND	A01	1
p- & m-Xylenes	ND	ug/m3	130	16	EPA-TO-15	ND	A01	1
o-Xylene	ND	ug/m3	130	6.6	EPA-TO-15	ND	A01	1
Total Xylenes	ND	ug/m3	260	23	EPA-TO-15	ND	A01	1
4-Bromofluorobenzene (Surrogate)	74.2	%	70 - 130 (LCL - UCL)		EPA-TO-15			1

Well Test, Inc.
1180 Delmas Ave.
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Reported: 03/02/2016 14:49
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

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

BCL Sample ID: 1605144-04 | **Client Sample Name:** Four Seasons Cleaners, IA-4-off SN C8340/03662, 2/14/2016 9:08:00PM, Bill Dugan

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-TO-15	02/29/16	02/29/16 16:10	MJB	MS-A1	26.500	BZB2858

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/02/2016 14:49
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

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

BCL Sample ID: 1605144-05 | **Client Sample Name:** Four Seasons Cleaners, IA-5 SN 482/03657, 2/13/2016 12:16:00PM, Bill Dugan

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acetone	ND	ug/m3	110	6.6	EPA-TO-15	ND	A01	1
Acrylonitrile	ND	ug/m3	43	7.5	EPA-TO-15	ND	A01	1
Allyl chloride	ND	ug/m3	43	6.2	EPA-TO-15	ND	A01	1
Benzene	ND	ug/m3	43	8.9	EPA-TO-15	ND	A01	1
Benzyl chloride	ND	ug/m3	210	5.5	EPA-TO-15	ND	A01	1
Bromodichloromethane	ND	ug/m3	110	17	EPA-TO-15	ND	A01	1
Bromoform	ND	ug/m3	210	14	EPA-TO-15	ND	A01	1
Bromomethane	ND	ug/m3	43	13	EPA-TO-15	ND	A01	1
1,3-Butadiene	ND	ug/m3	43	8.5	EPA-TO-15	ND	A01	1
Carbon disulfide	ND	ug/m3	43	8.1	EPA-TO-15	ND	A01	1
Carbon tetrachloride	ND	ug/m3	110	23	EPA-TO-15	ND	A01	1
Chlorobenzene	ND	ug/m3	110	18	EPA-TO-15	ND	A01	1
Chloroethane	ND	ug/m3	43	14	EPA-TO-15	ND	A01	1
Chloroform	ND	ug/m3	110	16	EPA-TO-15	ND	A01	1
Chloromethane	ND	ug/m3	43	8.5	EPA-TO-15	ND	A01	1
Cyclohexane	ND	ug/m3	43	6.0	EPA-TO-15	ND	A01	1
Dibromochloromethane	ND	ug/m3	110	30	EPA-TO-15	ND	A01	1
1,2-Dibromoethane	ND	ug/m3	110	20	EPA-TO-15	ND	A01	1
1,2-Dichlorobenzene	ND	ug/m3	110	6.6	EPA-TO-15	ND	A01	1
1,3-Dichlorobenzene	ND	ug/m3	110	7.5	EPA-TO-15	ND	A01	1
1,4-Dichlorobenzene	ND	ug/m3	110	6.6	EPA-TO-15	ND	A01	1
Dichlorodifluoromethane	ND	ug/m3	110	23	EPA-TO-15	ND	A01	1
1,1-Dichloroethane	ND	ug/m3	110	12	EPA-TO-15	ND	A01	1
1,2-Dichloroethane	ND	ug/m3	110	11	EPA-TO-15	ND	A01	1
1,1-Dichloroethene	ND	ug/m3	110	14	EPA-TO-15	ND	A01	1
cis-1,2-Dichloroethene	ND	ug/m3	43	8.3	EPA-TO-15	ND	A01	1
trans-1,2-Dichloroethene	ND	ug/m3	43	11	EPA-TO-15	ND	A01	1
1,2-Dichloropropane	ND	ug/m3	110	15	EPA-TO-15	ND	A01	1
cis-1,3-Dichloropropene	ND	ug/m3	110	5.5	EPA-TO-15	ND	A01	1
trans-1,3-Dichloropropene	ND	ug/m3	110	7.0	EPA-TO-15	ND	A01	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	110	21	EPA-TO-15	ND	A01	1
1,1-Difluoroethane	ND	ug/m3	110	43	EPA-TO-15	ND	A01	1
1,4-Dioxane	ND	ug/m3	43	9.4	EPA-TO-15	ND	A01	1

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/02/2016 14:49
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

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

BCL Sample ID: 1605144-05 | **Client Sample Name:** Four Seasons Cleaners, IA-5 SN 482/03657, 2/13/2016 12:16:00PM, Bill Dugan

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethanol	ND	ug/m3	43	13	EPA-TO-15	ND	A01	1
Ethyl acetate	ND	ug/m3	43	10	EPA-TO-15	ND	A01	1
Ethylbenzene	ND	ug/m3	110	6.0	EPA-TO-15	ND	A01	1
1-Ethyl-4-methylbenzene	ND	ug/m3	110	10	EPA-TO-15	ND	A01	1
n-Heptane	ND	ug/m3	43	11	EPA-TO-15	ND	A01	1
Hexachlorobutadiene	ND	ug/m3	210	12	EPA-TO-15	ND	A01	1
Hexane	ND	ug/m3	110	9.8	EPA-TO-15	ND	A01	1
2-Hexanone	ND	ug/m3	110	4.5	EPA-TO-15	ND	A01	1
Isopropyl alcohol	ND	ug/m3	43	10	EPA-TO-15	ND	A01	1
Methylene chloride	ND	ug/m3	210	16	EPA-TO-15	ND	A01	1
Methyl ethyl ketone	ND	ug/m3	43	5.8	EPA-TO-15	ND	A01	1
Methyl isobutyl ketone	ND	ug/m3	110	12	EPA-TO-15	ND	A01	1
Methyl t-butyl ether	ND	ug/m3	43	5.5	EPA-TO-15	ND	A01	1
Propylene	ND	ug/m3	43	6.0	EPA-TO-15	ND	A01	1
Styrene	ND	ug/m3	110	4.7	EPA-TO-15	ND	A01	1
1,1,2,2-Tetrachloroethane	ND	ug/m3	110	12	EPA-TO-15	ND	A01	1
Tetrachloroethene	ND	ug/m3	43	20	EPA-TO-15	ND	A01	1
Tetrahydrofuran	ND	ug/m3	43	7.7	EPA-TO-15	ND	A01	1
Toluene	ND	ug/m3	43	6.8	EPA-TO-15	ND	A01	1
1,2,4-Trichlorobenzene	ND	ug/m3	210	150	EPA-TO-15	ND	A01	1
1,1,1-Trichloroethane	ND	ug/m3	110	17	EPA-TO-15	ND	A01	1
1,1,2-Trichloroethane	ND	ug/m3	110	19	EPA-TO-15	ND	A01	1
Trichloroethene	ND	ug/m3	43	15	EPA-TO-15	ND	A01	1
Trichlorofluoromethane	ND	ug/m3	110	34	EPA-TO-15	ND	A01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	110	21	EPA-TO-15	ND	A01	1
1,2,4-Trimethylbenzene	ND	ug/m3	110	5.3	EPA-TO-15	ND	A01	1
1,3,5-Trimethylbenzene	ND	ug/m3	110	7.0	EPA-TO-15	ND	A01	1
Vinyl acetate	ND	ug/m3	43	11	EPA-TO-15	ND	A01	1
Vinyl chloride	ND	ug/m3	43	10	EPA-TO-15	ND	A01	1
p- & m-Xylenes	ND	ug/m3	110	13	EPA-TO-15	ND	A01	1
o-Xylene	ND	ug/m3	110	5.3	EPA-TO-15	ND	A01	1
Total Xylenes	ND	ug/m3	210	18	EPA-TO-15	ND	A01	1
4-Bromofluorobenzene (Surrogate)	71.2	%	70 - 130 (LCL - UCL)		EPA-TO-15			1

Well Test, Inc.
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Reported: 03/02/2016 14:49
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

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

BCL Sample ID: 1605144-05 | **Client Sample Name:** Four Seasons Cleaners, IA-5 SN 482/03657, 2/13/2016 12:16:00PM, Bill Dugan

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-TO-15	02/29/16	02/29/16 16:42	MJB	MS-A1	21.300	BZB2858

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/02/2016 14:49
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

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

BCL Sample ID: 1605144-06 | **Client Sample Name:** Four Seasons Cleaners, IA-8 SN 5524/03791, 2/13/2016 12:24:00PM, Bill Dugan

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acetone	ND	ug/m3	260	16	EPA-TO-15	ND	A01	1
Acrylonitrile	ND	ug/m3	100	18	EPA-TO-15	ND	A01	1
Allyl chloride	ND	ug/m3	100	15	EPA-TO-15	ND	A01	1
Benzene	ND	ug/m3	100	22	EPA-TO-15	ND	A01	1
Benzyl chloride	ND	ug/m3	520	14	EPA-TO-15	ND	A01	1
Bromodichloromethane	ND	ug/m3	260	42	EPA-TO-15	ND	A01	1
Bromoform	ND	ug/m3	520	33	EPA-TO-15	ND	A01	1
Bromomethane	ND	ug/m3	100	33	EPA-TO-15	ND	A01	1
1,3-Butadiene	ND	ug/m3	100	21	EPA-TO-15	ND	A01	1
Carbon disulfide	ND	ug/m3	100	20	EPA-TO-15	ND	A01	1
Carbon tetrachloride	ND	ug/m3	260	58	EPA-TO-15	ND	A01	1
Chlorobenzene	ND	ug/m3	260	43	EPA-TO-15	ND	A01	1
Chloroethane	ND	ug/m3	100	33	EPA-TO-15	ND	A01	1
Chloroform	ND	ug/m3	260	39	EPA-TO-15	ND	A01	1
Chloromethane	ND	ug/m3	100	21	EPA-TO-15	ND	A01	1
Cyclohexane	ND	ug/m3	100	15	EPA-TO-15	ND	A01	1
Dibromochloromethane	ND	ug/m3	260	73	EPA-TO-15	ND	A01	1
1,2-Dibromoethane	ND	ug/m3	260	49	EPA-TO-15	ND	A01	1
1,2-Dichlorobenzene	ND	ug/m3	260	16	EPA-TO-15	ND	A01	1
1,3-Dichlorobenzene	ND	ug/m3	260	18	EPA-TO-15	ND	A01	1
1,4-Dichlorobenzene	ND	ug/m3	260	16	EPA-TO-15	ND	A01	1
Dichlorodifluoromethane	ND	ug/m3	260	58	EPA-TO-15	ND	A01	1
1,1-Dichloroethane	ND	ug/m3	260	30	EPA-TO-15	ND	A01	1
1,2-Dichloroethane	ND	ug/m3	260	28	EPA-TO-15	ND	A01	1
1,1-Dichloroethene	ND	ug/m3	260	33	EPA-TO-15	ND	A01	1
cis-1,2-Dichloroethene	ND	ug/m3	100	20	EPA-TO-15	ND	A01	1
trans-1,2-Dichloroethene	ND	ug/m3	100	27	EPA-TO-15	ND	A01	1
1,2-Dichloropropane	ND	ug/m3	260	37	EPA-TO-15	ND	A01	1
cis-1,3-Dichloropropene	ND	ug/m3	260	14	EPA-TO-15	ND	A01	1
trans-1,3-Dichloropropene	ND	ug/m3	260	17	EPA-TO-15	ND	A01	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	260	51	EPA-TO-15	ND	A01	1
1,1-Difluoroethane	ND	ug/m3	260	100	EPA-TO-15	ND	A01	1
1,4-Dioxane	ND	ug/m3	100	23	EPA-TO-15	ND	A01	1

Well Test, Inc.
1180 Delmas Ave.
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Reported: 03/02/2016 14:49
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

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

BCL Sample ID: 1605144-06 | **Client Sample Name:** Four Seasons Cleaners, IA-8 SN 5524/03791, 2/13/2016 12:24:00PM, Bill Dugan

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethanol	ND	ug/m3	100	32	EPA-TO-15	ND	A01	1
Ethyl acetate	ND	ug/m3	100	25	EPA-TO-15	ND	A01	1
Ethylbenzene	ND	ug/m3	260	15	EPA-TO-15	ND	A01	1
1-Ethyl-4-methylbenzene	ND	ug/m3	260	25	EPA-TO-15	ND	A01	1
n-Heptane	ND	ug/m3	100	26	EPA-TO-15	ND	A01	1
Hexachlorobutadiene	ND	ug/m3	520	28	EPA-TO-15	ND	A01	1
Hexane	ND	ug/m3	260	24	EPA-TO-15	ND	A01	1
2-Hexanone	ND	ug/m3	260	11	EPA-TO-15	ND	A01	1
Isopropyl alcohol	ND	ug/m3	100	25	EPA-TO-15	ND	A01	1
Methylene chloride	ND	ug/m3	520	38	EPA-TO-15	ND	A01	1
Methyl ethyl ketone	ND	ug/m3	100	14	EPA-TO-15	ND	A01	1
Methyl isobutyl ketone	ND	ug/m3	260	28	EPA-TO-15	ND	A01	1
Methyl t-butyl ether	ND	ug/m3	100	14	EPA-TO-15	ND	A01	1
Propylene	ND	ug/m3	100	15	EPA-TO-15	ND	A01	1
Styrene	ND	ug/m3	260	12	EPA-TO-15	ND	A01	1
1,1,2,2-Tetrachloroethane	ND	ug/m3	260	30	EPA-TO-15	ND	A01	1
Tetrachloroethene	ND	ug/m3	100	50	EPA-TO-15	ND	A01	1
Tetrahydrofuran	ND	ug/m3	100	19	EPA-TO-15	ND	A01	1
Toluene	ND	ug/m3	100	17	EPA-TO-15	ND	A01	1
1,2,4-Trichlorobenzene	ND	ug/m3	520	380	EPA-TO-15	ND	A01	1
1,1,1-Trichloroethane	ND	ug/m3	260	43	EPA-TO-15	ND	A01	1
1,1,2-Trichloroethane	ND	ug/m3	260	46	EPA-TO-15	ND	A01	1
Trichloroethene	ND	ug/m3	100	37	EPA-TO-15	ND	A01	1
Trichlorofluoromethane	ND	ug/m3	260	84	EPA-TO-15	ND	A01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	260	52	EPA-TO-15	ND	A01	1
1,2,4-Trimethylbenzene	ND	ug/m3	260	13	EPA-TO-15	ND	A01	1
1,3,5-Trimethylbenzene	ND	ug/m3	260	17	EPA-TO-15	ND	A01	1
Vinyl acetate	ND	ug/m3	100	26	EPA-TO-15	ND	A01	1
Vinyl chloride	ND	ug/m3	100	26	EPA-TO-15	ND	A01	1
p- & m-Xylenes	ND	ug/m3	260	32	EPA-TO-15	ND	A01	1
o-Xylene	ND	ug/m3	260	13	EPA-TO-15	ND	A01	1
Total Xylenes	ND	ug/m3	520	45	EPA-TO-15	ND	A01	1
4-Bromofluorobenzene (Surrogate)	74.0	%	70 - 130 (LCL - UCL)		EPA-TO-15			1

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/02/2016 14:49
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

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

BCL Sample ID: 1605144-06 | **Client Sample Name:** Four Seasons Cleaners, IA-8 SN 5524/03791, 2/13/2016 12:24:00PM, Bill Dugan

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-TO-15	02/29/16	02/29/16 17:13	MJB	MS-A1	52.300	BZB2858

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/02/2016 14:49
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

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

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BZB2858						
Acetone	BZB2858-BLK1	ND	ug/m3	5.0	0.31	
Acrylonitrile	BZB2858-BLK1	ND	ug/m3	2.0	0.35	
Allyl chloride	BZB2858-BLK1	ND	ug/m3	2.0	0.29	
Benzene	BZB2858-BLK1	ND	ug/m3	2.0	0.42	
Benzyl chloride	BZB2858-BLK1	ND	ug/m3	10	0.26	
Bromodichloromethane	BZB2858-BLK1	ND	ug/m3	5.0	0.81	
Bromoform	BZB2858-BLK1	ND	ug/m3	10	0.64	
Bromomethane	BZB2858-BLK1	ND	ug/m3	2.0	0.63	
1,3-Butadiene	BZB2858-BLK1	ND	ug/m3	2.0	0.40	
Carbon disulfide	BZB2858-BLK1	ND	ug/m3	2.0	0.38	
Carbon tetrachloride	BZB2858-BLK1	ND	ug/m3	5.0	1.1	
Chlorobenzene	BZB2858-BLK1	ND	ug/m3	5.0	0.83	
Chloroethane	BZB2858-BLK1	ND	ug/m3	2.0	0.64	
Chloroform	BZB2858-BLK1	ND	ug/m3	5.0	0.74	
Chloromethane	BZB2858-BLK1	ND	ug/m3	2.0	0.40	
Cyclohexane	BZB2858-BLK1	ND	ug/m3	2.0	0.28	
Dibromochloromethane	BZB2858-BLK1	ND	ug/m3	5.0	1.4	
1,2-Dibromoethane	BZB2858-BLK1	ND	ug/m3	5.0	0.93	
1,2-Dichlorobenzene	BZB2858-BLK1	ND	ug/m3	5.0	0.31	
1,3-Dichlorobenzene	BZB2858-BLK1	ND	ug/m3	5.0	0.35	
1,4-Dichlorobenzene	BZB2858-BLK1	ND	ug/m3	5.0	0.31	
Dichlorodifluoromethane	BZB2858-BLK1	ND	ug/m3	5.0	1.1	
1,1-Dichloroethane	BZB2858-BLK1	ND	ug/m3	5.0	0.57	
1,2-Dichloroethane	BZB2858-BLK1	ND	ug/m3	5.0	0.53	
1,1-Dichloroethene	BZB2858-BLK1	ND	ug/m3	5.0	0.64	
cis-1,2-Dichloroethene	BZB2858-BLK1	ND	ug/m3	2.0	0.39	
trans-1,2-Dichloroethene	BZB2858-BLK1	ND	ug/m3	2.0	0.52	
1,2-Dichloropropane	BZB2858-BLK1	ND	ug/m3	5.0	0.70	
cis-1,3-Dichloropropene	BZB2858-BLK1	ND	ug/m3	5.0	0.26	
trans-1,3-Dichloropropene	BZB2858-BLK1	ND	ug/m3	5.0	0.33	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	BZB2858-BLK1	ND	ug/m3	5.0	0.98	
1,1-Difluoroethane	BZB2858-BLK1	ND	ug/m3	5.0	2.0	
1,4-Dioxane	BZB2858-BLK1	ND	ug/m3	2.0	0.44	
Ethanol	BZB2858-BLK1	ND	ug/m3	2.0	0.61	

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Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

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

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BZB2858						
Ethyl acetate	BZB2858-BLK1	ND	ug/m3	2.0	0.47	
Ethylbenzene	BZB2858-BLK1	ND	ug/m3	5.0	0.28	
1-Ethyl-4-methylbenzene	BZB2858-BLK1	ND	ug/m3	5.0	0.47	
n-Heptane	BZB2858-BLK1	ND	ug/m3	2.0	0.50	
Hexachlorobutadiene	BZB2858-BLK1	ND	ug/m3	10	0.54	
Hexane	BZB2858-BLK1	ND	ug/m3	5.0	0.46	
2-Hexanone	BZB2858-BLK1	ND	ug/m3	5.0	0.21	
Isopropyl alcohol	BZB2858-BLK1	ND	ug/m3	2.0	0.47	
Methylene chloride	BZB2858-BLK1	ND	ug/m3	10	0.73	
Methyl ethyl ketone	BZB2858-BLK1	ND	ug/m3	2.0	0.27	
Methyl isobutyl ketone	BZB2858-BLK1	ND	ug/m3	5.0	0.54	
Methyl t-butyl ether	BZB2858-BLK1	ND	ug/m3	2.0	0.26	
Propylene	BZB2858-BLK1	ND	ug/m3	2.0	0.28	
Styrene	BZB2858-BLK1	ND	ug/m3	5.0	0.22	
1,1,2,2-Tetrachloroethane	BZB2858-BLK1	ND	ug/m3	5.0	0.58	
Tetrachloroethene	BZB2858-BLK1	ND	ug/m3	2.0	0.95	
Tetrahydrofuran	BZB2858-BLK1	ND	ug/m3	2.0	0.36	
Toluene	BZB2858-BLK1	ND	ug/m3	2.0	0.32	
1,2,4-Trichlorobenzene	BZB2858-BLK1	ND	ug/m3	10	7.2	
1,1,1-Trichloroethane	BZB2858-BLK1	ND	ug/m3	5.0	0.82	
1,1,2-Trichloroethane	BZB2858-BLK1	ND	ug/m3	5.0	0.88	
Trichloroethene	BZB2858-BLK1	ND	ug/m3	2.0	0.70	
Trichlorofluoromethane	BZB2858-BLK1	ND	ug/m3	5.0	1.6	
1,1,2-Trichloro-1,2,2-trifluoroethane	BZB2858-BLK1	ND	ug/m3	5.0	1.0	
1,2,4-Trimethylbenzene	BZB2858-BLK1	ND	ug/m3	5.0	0.25	
1,3,5-Trimethylbenzene	BZB2858-BLK1	ND	ug/m3	5.0	0.33	
Vinyl acetate	BZB2858-BLK1	ND	ug/m3	2.0	0.50	
Vinyl chloride	BZB2858-BLK1	ND	ug/m3	2.0	0.49	
p- & m-Xylenes	BZB2858-BLK1	ND	ug/m3	5.0	0.61	
o-Xylene	BZB2858-BLK1	ND	ug/m3	5.0	0.25	
Total Xylenes	BZB2858-BLK1	ND	ug/m3	10	0.86	
4-Bromofluorobenzene (Surrogate)	**BZB2858-BLK1**	**84.8**	%	**70 - 130 (LCL - UCL)**		

Well Test, Inc.
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Reported: 03/02/2016 14:49
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

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

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BZB2858										
Benzene	BZB2858-BS1	LCS	16.849	15.974	ug/m3	105		70 - 130		
	BZB2858-BSD1	LCSD	17.271	15.974	ug/m3	108	2.5	70 - 130	30	
Chloroform	BZB2858-BS1	LCS	27.147	24.413	ug/m3	111		70 - 130		
	BZB2858-BSD1	LCSD	27.689	24.413	ug/m3	113	2.0	70 - 130	30	
Ethylbenzene	BZB2858-BS1	LCS	22.861	21.711	ug/m3	105		70 - 130		
	BZB2858-BSD1	LCSD	23.699	21.711	ug/m3	109	3.6	70 - 130	30	
Tetrachloroethene	BZB2858-BS1	LCS	38.796	33.913	ug/m3	114		70 - 130		
	BZB2858-BSD1	LCSD	39.434	33.913	ug/m3	116	1.6	70 - 130	30	
Toluene	BZB2858-BS1	LCS	22.415	18.842	ug/m3	119		70 - 130		
	BZB2858-BSD1	LCSD	22.626	18.842	ug/m3	120	0.9	70 - 130	30	
Trichloroethene	BZB2858-BS1	LCS	31.463	26.869	ug/m3	117		70 - 130		
	BZB2858-BSD1	LCSD	31.952	26.869	ug/m3	119	1.5	70 - 130	30	
Trichlorofluoromethane	BZB2858-BS1	LCS	33.418	28.092	ug/m3	119		70 - 130		
	BZB2858-BSD1	LCSD	33.873	28.092	ug/m3	121	1.4	70 - 130	30	
1,1,2-Trichloro-1,2,2-trifluoroethane	BZB2858-BS1	LCS	42.234	38.318	ug/m3	110		70 - 130		
	BZB2858-BSD1	LCSD	42.817	38.318	ug/m3	112	1.4	70 - 130	30	
p- & m-Xylenes	BZB2858-BS1	LCS	49.769	43.421	ug/m3	115		70 - 130		
	BZB2858-BSD1	LCSD	51.354	43.421	ug/m3	118	3.1	70 - 130	30	
o-Xylene	BZB2858-BS1	LCS	25.158	21.711	ug/m3	116		70 - 130		
	BZB2858-BSD1	LCSD	26.118	21.711	ug/m3	120	3.7	70 - 130	30	
Total Xylenes	BZB2858-BS1	LCS	74.928	65.132	ug/m3	115		70 - 130		
	BZB2858-BSD1	LCSD	77.472	65.132	ug/m3	119	3.3	70 - 130	30	
4-Bromofluorobenzene (Surrogate)	BZB2858-BS1	LCS	73.4	71.6	ug/m3	103		70 - 130		
	BZB2858-BSD1	LCSD	72.4	71.6	ug/m3	101	1.5	70 - 130		

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/02/2016 14:49
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
A01	Detection and quantitation limits are raised due to sample dilution.

Date of Report: 03/04/2016

Bill Dugan

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Client Project:	Four Seasons Cleaners
BCL Project:	Air Samples
BCL Work Order:	1605160
Invoice ID:	B228690

Enclosed are the results of analyses for samples received by the laboratory on 2/19/2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Misty Orton
Client Service Rep

Authorized Signature

Table of Contents

BC LABORATORIES

4100 Atlas Court Bakersfield, Ca. 93308
(661) 327-4911 • FAX (661) 327-1918 • www.bclabs.com

Chain of Custody

* Required Fields 16 05160

TEMP: ______

Client/Company Name *: WellTest, Inc.	Report Attention *: Bill Dugan	Phone * #: 408 287-2175 FAX * #: 408 287-2176 E-mail: dugan@welltest.biz
Address *: P.O. Box 8548	City *: San Jose State *: CA Zip *: 95155-8548	Carbon Copies: CDHS ☐ Fresno Co ☐ EPA ☐ Merced Co ☐ Tulare Co ☐ Other:
Project Information: Four Seasons Cleaners, 13778 Doolittle Dr. San Leandro, CA	PO # 5035 BCL Quote #	
How would you like your completed results sent? ☑ E-Mail ☐ Fax ☐ EDD ☐ Mail Only		Regulatory Compliance Electronic Data Transfer: Y ☐ N ☐ System No. *
Sampler Name Printed / Signature	QC Request ☑ STD ☐ Level II	Result Request ** Surcharge ☐ STD ☑ 5 Day** ☐ 2 Day** ☐ 1 Day**

Matrix Types: RSW = Raw Surface Water CFW = Clorinated Finished Water CWW = Chorinated Waste Water BW = Bottled Water RGW = Raw Ground Water FW = Finished Water WW = Waste Water SW = Storm Water DW = Drinking Water SO = Solid

ANALYSIS REQUESTED

Sample #	# Bottles	Sampled Date	Sampled Time	Sample Description / Location *	Matrix *	Comments / Station Code	TO-15 VOCs including PCE
-1		2/18/16	10:31	IA-6 SN 5525 03869 19"Hg	Air	Results in ug/m3 HOLD ~~"Hg~~ 22	
-2		2/18/16	10:29	IA-7 SN 442 / 03892 11"Hg	Air	Results in ug/m3 ~~"Hg 11~~	✓
					~~Air~~		

CHK BY [signature] DISTRIBUTION [initials] SUB-OUT ☐

Relinquished by: (Signature and Printed Name)	Company	Date	Time	Received by (Signature and Print Name)	Company
[signature]	WELL TEST	2/18/16	3:17pm	[signature]	WELLTEST/BCL 2/18/16 1517
[signature]	BCL	2/19/16	1401	Gary Bogen	BC Lab 2-19-16 1401
Received for Lab by: (Signature and Printed Name)		Date	Time	Payment Received at Delivery: Date: Amount: Check/Cash/Card PIA # Init.	

Shipping Method: CAO UPS GSO WALK-IN SJVC FED EX OTHER

Cooling Method: WET BLUE NONE

Packing Material:

Rec by Ross Dickey 2·19·16 1545
Rel by Ross Dickey 2·19·16 1830 REC. [signature]

REL Gary Bogen 2-19-16 1545
REL [signature] 2/19/16 2130 REC [signature] 2/19 2130

SR-FL-0012-00 (Analytical)

Chain of Custody and Cooler Receipt Form for 1605160 Page 2 of 2

BC LABORATORIES INC. **COOLER RECEIPT FORM** Page 1 Of 1

Submission #: 16-05160

SHIPPING INFORMATION
Fed Ex ☐ UPS ☐ Ontrac ☐ Hand Delivery ☐
BC Lab Field Service ☒ Other ☐ (Specify)_____

SHIPPING CONTAINER
Ice Chest ☐ None ☐ Box ☒
Other ☐ (Specify)_____

FREE LIQUID
YES ☐ NO ☐

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

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

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

COC Received ☒ YES ☐ NO

Emissivity: — Container: Summa Thermometer ID: —

Temperature: (A) Room °C / (C) °C

Date/Time 2/19 2159

Analyst Init DDP

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER	A	A								

Comments:_____

Sample Numbering Completed By: JW Date/Time: 2-20-16 1245

A = Actual / C = Corrected

Rev 20 07/24/2015
[S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20]

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/04/2016 9:53
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1605160-01	**COC Number:**	---	**Receive Date:**	02/19/2016 21:30
	Project Number:	---	**Sampling Date:**	02/18/2016 10:31
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	IA-6 SN 5525/03809	**Lab Matrix:**	Air
	Sampled By:	---	**Sample Type:**	Gas Chromatography
1605160-02	**COC Number:**	---	**Receive Date:**	02/19/2016 21:30
	Project Number:	---	**Sampling Date:**	02/18/2016 10:29
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	IA-7 SN 442/03892	**Lab Matrix:**	Air
	Sampled By:	---	**Sample Type:**	Gas Chromatography

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/04/2016 9:53
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

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

BCL Sample ID: 1605160-02 | **Client Sample Name:** IA-7 SN 442/03892, 2/18/2016 10:29:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acetone	ND	ug/m3	110	6.7	EPA-TO-15	ND	A01	1
Acrylonitrile	ND	ug/m3	43	7.6	EPA-TO-15	ND	A01	1
Allyl chloride	ND	ug/m3	43	6.3	EPA-TO-15	ND	A01	1
Benzene	ND	ug/m3	43	9.1	EPA-TO-15	ND	A01	1
Benzyl chloride	ND	ug/m3	220	5.6	EPA-TO-15	ND	A01	1
Bromodichloromethane	ND	ug/m3	110	17	EPA-TO-15	ND	A01	1
Bromoform	ND	ug/m3	220	14	EPA-TO-15	ND	A01	1
Bromomethane	ND	ug/m3	43	14	EPA-TO-15	ND	A01	1
1,3-Butadiene	ND	ug/m3	43	8.6	EPA-TO-15	ND	A01	1
Carbon disulfide	ND	ug/m3	43	8.2	EPA-TO-15	ND	A01	1
Carbon tetrachloride	ND	ug/m3	110	24	EPA-TO-15	ND	A01	1
Chlorobenzene	ND	ug/m3	110	18	EPA-TO-15	ND	A01	1
Chloroethane	ND	ug/m3	43	14	EPA-TO-15	ND	A01	1
Chloroform	ND	ug/m3	110	16	EPA-TO-15	ND	A01	1
Chloromethane	ND	ug/m3	43	8.6	EPA-TO-15	ND	A01	1
Cyclohexane	ND	ug/m3	43	6.0	EPA-TO-15	ND	A01	1
Dibromochloromethane	ND	ug/m3	110	30	EPA-TO-15	ND	A01	1
1,2-Dibromoethane	ND	ug/m3	110	20	EPA-TO-15	ND	A01	1
1,2-Dichlorobenzene	ND	ug/m3	110	6.7	EPA-TO-15	ND	A01	1
1,3-Dichlorobenzene	ND	ug/m3	110	7.6	EPA-TO-15	ND	A01	1
1,4-Dichlorobenzene	ND	ug/m3	110	6.7	EPA-TO-15	ND	A01	1
Dichlorodifluoromethane	ND	ug/m3	110	24	EPA-TO-15	ND	A01	1
1,1-Dichloroethane	ND	ug/m3	110	12	EPA-TO-15	ND	A01	1
1,2-Dichloroethane	ND	ug/m3	110	11	EPA-TO-15	ND	A01	1
1,1-Dichloroethene	ND	ug/m3	110	14	EPA-TO-15	ND	A01	1
cis-1,2-Dichloroethene	ND	ug/m3	43	8.4	EPA-TO-15	ND	A01	1
trans-1,2-Dichloroethene	ND	ug/m3	43	11	EPA-TO-15	ND	A01	1
1,2-Dichloropropane	ND	ug/m3	110	15	EPA-TO-15	ND	A01	1
cis-1,3-Dichloropropene	ND	ug/m3	110	5.6	EPA-TO-15	ND	A01	1
trans-1,3-Dichloropropene	ND	ug/m3	110	7.1	EPA-TO-15	ND	A01	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	110	21	EPA-TO-15	ND	A01	1
1,1-Difluoroethane	ND	ug/m3	110	43	EPA-TO-15	ND	A01	1
1,4-Dioxane	ND	ug/m3	43	9.5	EPA-TO-15	ND	A01	1

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/04/2016 9:53
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

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

BCL Sample ID: 1605160-02 | **Client Sample Name:** IA-7 SN 442/03892, 2/18/2016 10:29:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethanol	ND	ug/m3	43	13	EPA-TO-15	ND	A01	1
Ethyl acetate	ND	ug/m3	43	10	EPA-TO-15	ND	A01	1
Ethylbenzene	ND	ug/m3	110	6.0	EPA-TO-15	ND	A01	1
1-Ethyl-4-methylbenzene	ND	ug/m3	110	10	EPA-TO-15	ND	A01	1
n-Heptane	ND	ug/m3	43	11	EPA-TO-15	ND	A01	1
Hexachlorobutadiene	ND	ug/m3	220	12	EPA-TO-15	ND	A01	1
Hexane	ND	ug/m3	110	9.9	EPA-TO-15	ND	A01	1
2-Hexanone	ND	ug/m3	110	4.5	EPA-TO-15	ND	A01	1
Isopropyl alcohol	ND	ug/m3	43	10	EPA-TO-15	ND	A01	1
Methylene chloride	ND	ug/m3	220	16	EPA-TO-15	ND	A01	1
Methyl ethyl ketone	ND	ug/m3	43	5.8	EPA-TO-15	ND	A01	1
Methyl isobutyl ketone	ND	ug/m3	110	12	EPA-TO-15	ND	A01	1
Methyl t-butyl ether	ND	ug/m3	43	5.6	EPA-TO-15	ND	A01	1
Propylene	ND	ug/m3	43	6.0	EPA-TO-15	ND	A01	1
Styrene	ND	ug/m3	110	4.8	EPA-TO-15	ND	A01	1
1,1,2,2-Tetrachloroethane	ND	ug/m3	110	13	EPA-TO-15	ND	A01	1
Tetrachloroethene	ND	ug/m3	43	21	EPA-TO-15	ND	A01	1
Tetrahydrofuran	ND	ug/m3	43	7.8	EPA-TO-15	ND	A01	1
Toluene	ND	ug/m3	43	6.9	EPA-TO-15	ND	A01	1
1,2,4-Trichlorobenzene	ND	ug/m3	220	160	EPA-TO-15	ND	A01	1
1,1,1-Trichloroethane	ND	ug/m3	110	18	EPA-TO-15	ND	A01	1
1,1,2-Trichloroethane	ND	ug/m3	110	19	EPA-TO-15	ND	A01	1
Trichloroethene	ND	ug/m3	43	15	EPA-TO-15	ND	A01	1
Trichlorofluoromethane	ND	ug/m3	110	35	EPA-TO-15	ND	A01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	110	22	EPA-TO-15	ND	A01	1
1,2,4-Trimethylbenzene	ND	ug/m3	110	5.4	EPA-TO-15	ND	A01	1
1,3,5-Trimethylbenzene	ND	ug/m3	110	7.1	EPA-TO-15	ND	A01	1
Vinyl acetate	ND	ug/m3	43	11	EPA-TO-15	ND	A01	1
Vinyl chloride	ND	ug/m3	43	11	EPA-TO-15	ND	A01	1
p- & m-Xylenes	ND	ug/m3	110	13	EPA-TO-15	ND	A01	1
o-Xylene	ND	ug/m3	110	5.4	EPA-TO-15	ND	A01	1
Total Xylenes	ND	ug/m3	220	19	EPA-TO-15	ND	A01	1
4-Bromofluorobenzene (Surrogate)	81.6	%	70 - 130 (LCL - UCL)		EPA-TO-15			1

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/04/2016 9:53
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

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

BCL Sample ID:	1605160-02	**Client Sample Name:**	IA-7 SN 442/03892, 2/18/2016 10:29:00AM

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-TO-15	03/02/16	03/02/16 12:56	MJB	MS-A1	21.600	BZC0158

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/04/2016 9:53
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

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

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BZC0158						
Acetone	BZC0158-BLK1	ND	ug/m3	5.0	0.31	
Acrylonitrile	BZC0158-BLK1	ND	ug/m3	2.0	0.35	
Allyl chloride	BZC0158-BLK1	ND	ug/m3	2.0	0.29	
Benzene	BZC0158-BLK1	ND	ug/m3	2.0	0.42	
Benzyl chloride	BZC0158-BLK1	ND	ug/m3	10	0.26	
Bromodichloromethane	BZC0158-BLK1	ND	ug/m3	5.0	0.81	
Bromoform	BZC0158-BLK1	ND	ug/m3	10	0.64	
Bromomethane	BZC0158-BLK1	ND	ug/m3	2.0	0.63	
1,3-Butadiene	BZC0158-BLK1	ND	ug/m3	2.0	0.40	
Carbon disulfide	BZC0158-BLK1	ND	ug/m3	2.0	0.38	
Carbon tetrachloride	BZC0158-BLK1	ND	ug/m3	5.0	1.1	
Chlorobenzene	BZC0158-BLK1	ND	ug/m3	5.0	0.83	
Chloroethane	BZC0158-BLK1	ND	ug/m3	2.0	0.64	
Chloroform	BZC0158-BLK1	ND	ug/m3	5.0	0.74	
Chloromethane	BZC0158-BLK1	ND	ug/m3	2.0	0.40	
Cyclohexane	BZC0158-BLK1	ND	ug/m3	2.0	0.28	
Dibromochloromethane	BZC0158-BLK1	ND	ug/m3	5.0	1.4	
1,2-Dibromoethane	BZC0158-BLK1	ND	ug/m3	5.0	0.93	
1,2-Dichlorobenzene	BZC0158-BLK1	ND	ug/m3	5.0	0.31	
1,3-Dichlorobenzene	BZC0158-BLK1	ND	ug/m3	5.0	0.35	
1,4-Dichlorobenzene	BZC0158-BLK1	ND	ug/m3	5.0	0.31	
Dichlorodifluoromethane	BZC0158-BLK1	ND	ug/m3	5.0	1.1	
1,1-Dichloroethane	BZC0158-BLK1	ND	ug/m3	5.0	0.57	
1,2-Dichloroethane	BZC0158-BLK1	ND	ug/m3	5.0	0.53	
1,1-Dichloroethene	BZC0158-BLK1	ND	ug/m3	5.0	0.64	
cis-1,2-Dichloroethene	BZC0158-BLK1	ND	ug/m3	2.0	0.39	
trans-1,2-Dichloroethene	BZC0158-BLK1	ND	ug/m3	2.0	0.52	
1,2-Dichloropropane	BZC0158-BLK1	ND	ug/m3	5.0	0.70	
cis-1,3-Dichloropropene	BZC0158-BLK1	ND	ug/m3	5.0	0.26	
trans-1,3-Dichloropropene	BZC0158-BLK1	ND	ug/m3	5.0	0.33	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	BZC0158-BLK1	ND	ug/m3	5.0	0.98	
1,1-Difluoroethane	BZC0158-BLK1	ND	ug/m3	5.0	2.0	
1,4-Dioxane	BZC0158-BLK1	ND	ug/m3	2.0	0.44	
Ethanol	BZC0158-BLK1	ND	ug/m3	2.0	0.61	

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/04/2016 9:53
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

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

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BZC0158						
Ethyl acetate	BZC0158-BLK1	ND	ug/m3	2.0	0.47	
Ethylbenzene	BZC0158-BLK1	ND	ug/m3	5.0	0.28	
1-Ethyl-4-methylbenzene	BZC0158-BLK1	ND	ug/m3	5.0	0.47	
n-Heptane	BZC0158-BLK1	ND	ug/m3	2.0	0.50	
Hexachlorobutadiene	BZC0158-BLK1	ND	ug/m3	10	0.54	
Hexane	BZC0158-BLK1	ND	ug/m3	5.0	0.46	
2-Hexanone	BZC0158-BLK1	ND	ug/m3	5.0	0.21	
Isopropyl alcohol	BZC0158-BLK1	ND	ug/m3	2.0	0.47	
Methylene chloride	BZC0158-BLK1	ND	ug/m3	10	0.73	
Methyl ethyl ketone	BZC0158-BLK1	ND	ug/m3	2.0	0.27	
Methyl isobutyl ketone	BZC0158-BLK1	ND	ug/m3	5.0	0.54	
Methyl t-butyl ether	BZC0158-BLK1	ND	ug/m3	2.0	0.26	
Propylene	BZC0158-BLK1	ND	ug/m3	2.0	0.28	
Styrene	BZC0158-BLK1	ND	ug/m3	5.0	0.22	
1,1,2,2-Tetrachloroethane	BZC0158-BLK1	ND	ug/m3	5.0	0.58	
Tetrachloroethene	BZC0158-BLK1	ND	ug/m3	2.0	0.95	
Tetrahydrofuran	BZC0158-BLK1	ND	ug/m3	2.0	0.36	
Toluene	BZC0158-BLK1	ND	ug/m3	2.0	0.32	
1,2,4-Trichlorobenzene	BZC0158-BLK1	ND	ug/m3	10	7.2	
1,1,1-Trichloroethane	BZC0158-BLK1	ND	ug/m3	5.0	0.82	
1,1,2-Trichloroethane	BZC0158-BLK1	ND	ug/m3	5.0	0.88	
Trichloroethene	BZC0158-BLK1	ND	ug/m3	2.0	0.70	
Trichlorofluoromethane	BZC0158-BLK1	ND	ug/m3	5.0	1.6	
1,1,2-Trichloro-1,2,2-trifluoroethane	BZC0158-BLK1	ND	ug/m3	5.0	1.0	
1,2,4-Trimethylbenzene	BZC0158-BLK1	ND	ug/m3	5.0	0.25	
1,3,5-Trimethylbenzene	BZC0158-BLK1	ND	ug/m3	5.0	0.33	
Vinyl acetate	BZC0158-BLK1	ND	ug/m3	2.0	0.50	
Vinyl chloride	BZC0158-BLK1	ND	ug/m3	2.0	0.49	
p- & m-Xylenes	BZC0158-BLK1	ND	ug/m3	5.0	0.61	
o-Xylene	BZC0158-BLK1	ND	ug/m3	5.0	0.25	
Total Xylenes	BZC0158-BLK1	ND	ug/m3	10	0.86	
4-Bromofluorobenzene (Surrogate)	**BZC0158-BLK1**	**71.8**	%	**70 - 130 (LCL - UCL)**		

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/04/2016 9:53
Project: Air Samples
Project Number: Four Seasons Cleaners
Project Manager: Bill Dugan

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

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BZC0158										
Benzene	BZC0158-BS1	LCS	16.549	15.974	ug/m3	104		70 - 130		
	BZC0158-BSD1	LCSD	17.194	15.974	ug/m3	108	3.8	70 - 130	30	
Chloroform	BZC0158-BS1	LCS	27.069	24.413	ug/m3	111		70 - 130		
	BZC0158-BSD1	LCSD	27.767	24.413	ug/m3	114	2.5	70 - 130	30	
Ethylbenzene	BZC0158-BS1	LCS	23.808	21.711	ug/m3	110		70 - 130		
	BZC0158-BSD1	LCSD	24.611	21.711	ug/m3	113	3.3	70 - 130	30	
Tetrachloroethene	BZC0158-BS1	LCS	39.515	33.913	ug/m3	117		70 - 130		
	BZC0158-BSD1	LCSD	40.641	33.913	ug/m3	120	2.8	70 - 130	30	
Toluene	BZC0158-BS1	LCS	22.803	18.842	ug/m3	121		70 - 130		
	BZC0158-BSD1	LCSD	23.609	18.842	ug/m3	125	3.5	70 - 130	30	
Trichloroethene	BZC0158-BS1	LCS	32.549	26.869	ug/m3	121		70 - 130		
	BZC0158-BSD1	LCSD	33.597	26.869	ug/m3	125	3.2	70 - 130	30	
Trichlorofluoromethane	BZC0158-BS1	LCS	31.620	28.092	ug/m3	113		70 - 130		
	BZC0158-BSD1	LCSD	31.968	28.092	ug/m3	114	1.1	70 - 130	30	
1,1,2-Trichloro-1,2,2-trifluoroethane	BZC0158-BS1	LCS	38.908	38.318	ug/m3	102		70 - 130		
	BZC0158-BSD1	LCSD	39.974	38.318	ug/m3	104	2.7	70 - 130	30	
p- & m-Xylenes	BZC0158-BS1	LCS	52.592	43.421	ug/m3	121		70 - 130		
	BZC0158-BSD1	LCSD	54.007	43.421	ug/m3	124	2.7	70 - 130	30	
o-Xylene	BZC0158-BS1	LCS	26.313	21.711	ug/m3	121		70 - 130		
	BZC0158-BSD1	LCSD	27.125	21.711	ug/m3	125	3.0	70 - 130	30	
Total Xylenes	BZC0158-BS1	LCS	78.905	65.132	ug/m3	121		70 - 130		
	BZC0158-BSD1	LCSD	81.133	65.132	ug/m3	125	2.8	70 - 130	30	
4-Bromofluorobenzene (Surrogate)	BZC0158-BS1	LCS	70.5	71.6	ug/m3	98.4		70 - 130		
	BZC0158-BSD1	LCSD	70.2	71.6	ug/m3	98.1	0.3	70 - 130		

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/04/2016 9:53
Project: Air Samples
Project Number: Four Seasons Cleaners
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Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
A01	Detection and quantitation limits are raised due to sample dilution.

Date of Report: 03/04/2016

Bill Dugan

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Client Project:	5031 - Four Seasons Cleaners
BCL Project:	Air Samples
BCL Work Order:	1605653
Invoice ID:	B228752

Enclosed are the results of analyses for samples received by the laboratory on 2/24/2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Misty Orton
Client Service Rep

Authorized Signature

Table of Contents

16-05653

WellTest, Inc.
Contractor License No. 843074
P.O. Box 8548
San Jose, CA 95155
Main Line: (408) 287-2175
Facsimile: (408) 287-2176

CHAIN OF CUSTODY FORM

RUSH!

Turnaround Time: (working days) __ 10 day __ 7 day X 5 day __ 3 day __ 2 day __ 1 day __ Same day __ other (_____)

RUSH WEDNESDAY 3/2/16

Project Name: Four Seasons Cleaners
Project Number: 5031
Global I.D.: T10000006425
Project Address: 13778 Doolittle Avenue, San Leandro, CA
Laboratory: BC Laboratories, Inc. Contact: Peter Bins
Lab Address/Phone: 4100 Atlas Court, Bakersfield, CA (800) 877-4911
Project Manager: Bill Dugan
PM Phone Number: (408) 460-1884 Email: dugan@welltest.biz
Sampler: Wills Phone: (408) 460-1884

Sample Information						Container Information			Comments	Analyses Requested															
			Matrix																						
Sample ID	Date	Time	Soil	Water	Vapor	No.	Type	Preservative	Field Point Name Same as Sample ID (Y/N)	Full VOCS + IPA (TO-15)	TPHg/BTEX/MTBE (TO-3)	7 Metals (Cd, Cr, Cu, Ni, Pb, Ag, and Zn by 200.8)	TPHg/BTEX/5 Fuel Oxy's (8260B)	Confirm MTBE by GC/MS	TPHd, TPHk, TPHmo (8015M)	VOCs (8260)	HVOCs (8010)	SVOC's (8270)	7 Metals (Cadmium, Chromium,	Priority Pollutant Metals (low detection) (7000/6010)	Silica Gel Cleanup	Ph (In the field)	Oil & Grease		
IA-9	02/23/16	10:47			✓	1	6 summa	Dark Box	Yes	✓															
IA-9-off	02/24/16	10:50			✓	1	6 summa	Dark Box	Yes	✓															

CHK BY DISTRIBUTION
FAX
SUB-OUT

Additional Comments: Invoice to WellTest, Inc. Send report and EDF to dugan@welltest.biz Results must be in (ug/m3)

Geotracker EDF [x]

Relinquished By:		Date/Time: 2/24/16 1205	Received By:	BCL BINS	Date/Time: 2/24/16 1206 PM
Relinquished By:	BCL	Date/Time: 2/24/16 1401	Received By:		Date/Time: 2-24-16 1401
Relinquished By:		Date/Time: 2-24-16 1830	Received By:		Date/Time: 2/24/16 18130

Sample Condition: Good? Yes ___ No ___ Refrigerated ? Yes ___ No ___ Cooler Temp _____ Transportation Method: _____ Page ___ of ___

Container Type: V = 40 ml vial, L = 1 liter amber bottle, 500 ml = 500 milliliter bottle, T = tube (B - brass, S - stailess steel, P - plastic)

Preservative: HCL = Hydrochloric acid, N = Nitric acid, C = 4o C

FORM 1C

REL. 2/24/16 2230 2.24.16 2230

Chain of Custody and Cooler Receipt Form for 1605653 Page 2 of 2

BC LABORATORIES INC. COOLER RECEIPT FORM Page 1 Of 1

Submission #: 16-05653

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

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

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

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

COC Received ☑ YES ☐ NO

Emissivity: 0.9 Container: Summa Thermometer ID: 208

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

Date/Time 2/24 2257

Analyst Init DDP

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
oz / 16oz / 32oz AMBER										
oz / 16oz / 32oz JAR										
OIL SLEEVE										
CB VIAL										
LASTIC BAG										
EDLAR BAG										
ERROUS IRON										
NCORE										
IART KIT										
MMA CANISTER	A	A								

Comments:_____

Numbering Completed By: _____ Date/Time: 2254 950

Actual / C = Corrected

Rev 20 07/24/2015

(S:\WPDoc\WordPerfect\LAB DOCS\FORMS\SAMPEC.wp 20)

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/04/2016 14:02
Project: Air Samples
Project Number: 5031 - Four Seasons Cleaners
Project Manager: Bill Dugan

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1605653-01	**COC Number:**	---	**Receive Date:**	02/24/2016 18:30
	Project Number:	Four Seasons Cleaners	**Sampling Date:**	02/23/2016 10:47
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	IA-9	**Lab Matrix:**	Air
	Sampled By:	Wills of WTI	**Sample Type:**	Vapor or Air
1605653-02	**COC Number:**	---	**Receive Date:**	02/24/2016 18:30
	Project Number:	Four Seasons Cleaners	**Sampling Date:**	02/23/2016 10:50
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	IA-9-off	**Lab Matrix:**	Air
	Sampled By:	Wills of WTI	**Sample Type:**	Vapor or Air

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/04/2016 14:02
Project: Air Samples
Project Number: 5031 - Four Seasons Cleaners
Project Manager: Bill Dugan

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

BCL Sample ID: 1605653-01 | **Client Sample Name:** Four Seasons Cleaners, IA-9, 2/23/2016 10:47:00AM, Wills

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acetone	ND	ug/m3	210	13	EPA-TO-15	ND	A01	1
Acrylonitrile	ND	ug/m3	85	15	EPA-TO-15	ND	A01	1
Allyl chloride	ND	ug/m3	85	12	EPA-TO-15	ND	A01	1
Benzene	ND	ug/m3	85	18	EPA-TO-15	ND	A01	1
Benzyl chloride	ND	ug/m3	430	11	EPA-TO-15	ND	A01	1
Bromodichloromethane	ND	ug/m3	210	35	EPA-TO-15	ND	A01	1
Bromoform	ND	ug/m3	430	27	EPA-TO-15	ND	A01	1
Bromomethane	ND	ug/m3	85	27	EPA-TO-15	ND	A01	1
1,3-Butadiene	ND	ug/m3	85	17	EPA-TO-15	ND	A01	1
Carbon disulfide	ND	ug/m3	85	16	EPA-TO-15	ND	A01	1
Carbon tetrachloride	ND	ug/m3	210	47	EPA-TO-15	ND	A01	1
Chlorobenzene	ND	ug/m3	210	35	EPA-TO-15	ND	A01	1
Chloroethane	ND	ug/m3	85	27	EPA-TO-15	ND	A01	1
Chloroform	ND	ug/m3	210	32	EPA-TO-15	ND	A01	1
Chloromethane	ND	ug/m3	85	17	EPA-TO-15	ND	A01	1
Cyclohexane	ND	ug/m3	85	12	EPA-TO-15	ND	A01	1
Dibromochloromethane	ND	ug/m3	210	60	EPA-TO-15	ND	A01	1
1,2-Dibromoethane	ND	ug/m3	210	40	EPA-TO-15	ND	A01	1
1,2-Dichlorobenzene	ND	ug/m3	210	13	EPA-TO-15	ND	A01	1
1,3-Dichlorobenzene	ND	ug/m3	210	15	EPA-TO-15	ND	A01	1
1,4-Dichlorobenzene	ND	ug/m3	210	13	EPA-TO-15	ND	A01	1
Dichlorodifluoromethane	**2100**	**ug/m3**	**210**	**47**	**EPA-TO-15**	ND	**A01**	1
1,1-Dichloroethane	ND	ug/m3	210	24	EPA-TO-15	ND	A01	1
1,2-Dichloroethane	ND	ug/m3	210	23	EPA-TO-15	ND	A01	1
1,1-Dichloroethene	ND	ug/m3	210	27	EPA-TO-15	ND	A01	1
cis-1,2-Dichloroethene	ND	ug/m3	85	17	EPA-TO-15	ND	A01	1
trans-1,2-Dichloroethene	ND	ug/m3	85	22	EPA-TO-15	ND	A01	1
1,2-Dichloropropane	ND	ug/m3	210	30	EPA-TO-15	ND	A01	1
cis-1,3-Dichloropropene	ND	ug/m3	210	11	EPA-TO-15	ND	A01	1
trans-1,3-Dichloropropene	ND	ug/m3	210	14	EPA-TO-15	ND	A01	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	**490**	**ug/m3**	**210**	**42**	**EPA-TO-15**	ND	**A01**	1
1,1-Difluoroethane	ND	ug/m3	210	85	EPA-TO-15	ND	A01	1
1,4-Dioxane	ND	ug/m3	85	19	EPA-TO-15	ND	A01	1

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/04/2016 14:02
Project: Air Samples
Project Number: 5031 - Four Seasons Cleaners
Project Manager: Bill Dugan

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

BCL Sample ID: 1605653-01 | **Client Sample Name:** Four Seasons Cleaners, IA-9, 2/23/2016 10:47:00AM, Wills

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethanol	ND	ug/m3	85	26	EPA-TO-15	ND	A01	1
Ethyl acetate	ND	ug/m3	85	20	EPA-TO-15	ND	A01	1
Ethylbenzene	ND	ug/m3	210	12	EPA-TO-15	ND	A01	1
1-Ethyl-4-methylbenzene	ND	ug/m3	210	20	EPA-TO-15	ND	A01	1
n-Heptane	ND	ug/m3	85	21	EPA-TO-15	ND	A01	1
Hexachlorobutadiene	ND	ug/m3	430	23	EPA-TO-15	ND	A01	1
Hexane	ND	ug/m3	210	20	EPA-TO-15	ND	A01	1
2-Hexanone	ND	ug/m3	210	8.9	EPA-TO-15	ND	A01	1
Isopropyl alcohol	ND	ug/m3	85	20	EPA-TO-15	ND	A01	1
Methylene chloride	ND	ug/m3	430	31	EPA-TO-15	ND	A01	1
Methyl ethyl ketone	ND	ug/m3	85	12	EPA-TO-15	ND	A01	1
Methyl isobutyl ketone	ND	ug/m3	210	23	EPA-TO-15	ND	A01	1
Methyl t-butyl ether	ND	ug/m3	85	11	EPA-TO-15	ND	A01	1
Propylene	ND	ug/m3	85	12	EPA-TO-15	ND	A01	1
Styrene	ND	ug/m3	210	9.4	EPA-TO-15	ND	A01	1
1,1,2,2-Tetrachloroethane	ND	ug/m3	210	25	EPA-TO-15	ND	A01	1
Tetrachloroethene	**560**	**ug/m3**	**85**	**40**	**EPA-TO-15**	ND	**A01**	1
Tetrahydrofuran	ND	ug/m3	85	15	EPA-TO-15	ND	A01	1
Toluene	ND	ug/m3	85	14	EPA-TO-15	ND	A01	1
1,2,4-Trichlorobenzene	ND	ug/m3	430	310	EPA-TO-15	ND	A01	1
1,1,1-Trichloroethane	ND	ug/m3	210	35	EPA-TO-15	ND	A01	1
1,1,2-Trichloroethane	ND	ug/m3	210	37	EPA-TO-15	ND	A01	1
Trichloroethene	ND	ug/m3	85	30	EPA-TO-15	ND	A01	1
Trichlorofluoromethane	**240**	**ug/m3**	**210**	**68**	**EPA-TO-15**	ND	**A01**	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	210	43	EPA-TO-15	ND	A01	1
1,2,4-Trimethylbenzene	ND	ug/m3	210	11	EPA-TO-15	ND	A01	1
1,3,5-Trimethylbenzene	ND	ug/m3	210	14	EPA-TO-15	ND	A01	1
Vinyl acetate	ND	ug/m3	85	21	EPA-TO-15	ND	A01	1
Vinyl chloride	ND	ug/m3	85	21	EPA-TO-15	ND	A01	1
p- & m-Xylenes	ND	ug/m3	210	26	EPA-TO-15	ND	A01	1
o-Xylene	ND	ug/m3	210	11	EPA-TO-15	ND	A01	1
Total Xylenes	ND	ug/m3	430	37	EPA-TO-15	ND	A01	1
4-Bromofluorobenzene (Surrogate)	86.7	%	70 - 130 (LCL - UCL)		EPA-TO-15			1

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/04/2016 14:02
Project: Air Samples
Project Number: 5031 - Four Seasons Cleaners
Project Manager: Bill Dugan

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

BCL Sample ID: 1605653-01 | **Client Sample Name:** Four Seasons Cleaners, IA-9, 2/23/2016 10:47:00AM, Wills

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-TO-15	03/02/16	03/04/16 11:25	MJB	MS-A1	42.600	BZC0158

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/04/2016 14:02
Project: Air Samples
Project Number: 5031 - Four Seasons Cleaners
Project Manager: Bill Dugan

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

BCL Sample ID: 1605653-02 | **Client Sample Name:** Four Seasons Cleaners, IA-9-off, 2/23/2016 10:50:00AM, Wills

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Acetone	ND	ug/m3	130	7.8	EPA-TO-15	ND	A01	1
Acrylonitrile	ND	ug/m3	50	8.8	EPA-TO-15	ND	A01	1
Allyl chloride	ND	ug/m3	50	7.3	EPA-TO-15	ND	A01	1
Benzene	ND	ug/m3	50	11	EPA-TO-15	ND	A01	1
Benzyl chloride	ND	ug/m3	250	6.5	EPA-TO-15	ND	A01	1
Bromodichloromethane	ND	ug/m3	130	20	EPA-TO-15	ND	A01	1
Bromoform	ND	ug/m3	250	16	EPA-TO-15	ND	A01	1
Bromomethane	ND	ug/m3	50	16	EPA-TO-15	ND	A01	1
1,3-Butadiene	ND	ug/m3	50	10	EPA-TO-15	ND	A01	1
Carbon disulfide	ND	ug/m3	50	9.5	EPA-TO-15	ND	A01	1
Carbon tetrachloride	ND	ug/m3	130	28	EPA-TO-15	ND	A01	1
Chlorobenzene	ND	ug/m3	130	21	EPA-TO-15	ND	A01	1
Chloroethane	ND	ug/m3	50	16	EPA-TO-15	ND	A01	1
Chloroform	ND	ug/m3	130	19	EPA-TO-15	ND	A01	1
Chloromethane	ND	ug/m3	50	10	EPA-TO-15	ND	A01	1
Cyclohexane	ND	ug/m3	50	7.0	EPA-TO-15	ND	A01	1
Dibromochloromethane	ND	ug/m3	130	35	EPA-TO-15	ND	A01	1
1,2-Dibromoethane	ND	ug/m3	130	23	EPA-TO-15	ND	A01	1
1,2-Dichlorobenzene	ND	ug/m3	130	7.8	EPA-TO-15	ND	A01	1
1,3-Dichlorobenzene	ND	ug/m3	130	8.8	EPA-TO-15	ND	A01	1
1,4-Dichlorobenzene	ND	ug/m3	130	7.8	EPA-TO-15	ND	A01	1
Dichlorodifluoromethane	ND	ug/m3	130	28	EPA-TO-15	ND	A01	1
1,1-Dichloroethane	ND	ug/m3	130	14	EPA-TO-15	ND	A01	1
1,2-Dichloroethane	ND	ug/m3	130	13	EPA-TO-15	ND	A01	1
1,1-Dichloroethene	ND	ug/m3	130	16	EPA-TO-15	ND	A01	1
cis-1,2-Dichloroethene	ND	ug/m3	50	9.8	EPA-TO-15	ND	A01	1
trans-1,2-Dichloroethene	ND	ug/m3	50	13	EPA-TO-15	ND	A01	1
1,2-Dichloropropane	ND	ug/m3	130	18	EPA-TO-15	ND	A01	1
cis-1,3-Dichloropropene	ND	ug/m3	130	6.5	EPA-TO-15	ND	A01	1
trans-1,3-Dichloropropene	ND	ug/m3	130	8.3	EPA-TO-15	ND	A01	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	130	25	EPA-TO-15	ND	A01	1
1,1-Difluoroethane	ND	ug/m3	130	50	EPA-TO-15	ND	A01	1
1,4-Dioxane	ND	ug/m3	50	11	EPA-TO-15	ND	A01	1

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/04/2016 14:02
Project: Air Samples
Project Number: 5031 - Four Seasons Cleaners
Project Manager: Bill Dugan

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

BCL Sample ID: 1605653-02 | **Client Sample Name:** Four Seasons Cleaners, IA-9-off, 2/23/2016 10:50:00AM, Wills

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethanol	ND	ug/m3	50	15	EPA-TO-15	ND	A01	1
Ethyl acetate	ND	ug/m3	50	12	EPA-TO-15	ND	A01	1
Ethylbenzene	ND	ug/m3	130	7.0	EPA-TO-15	ND	A01	1
1-Ethyl-4-methylbenzene	ND	ug/m3	130	12	EPA-TO-15	ND	A01	1
n-Heptane	ND	ug/m3	50	13	EPA-TO-15	ND	A01	1
Hexachlorobutadiene	ND	ug/m3	250	14	EPA-TO-15	ND	A01	1
Hexane	ND	ug/m3	130	12	EPA-TO-15	ND	A01	1
2-Hexanone	ND	ug/m3	130	5.3	EPA-TO-15	ND	A01	1
Isopropyl alcohol	**1700**	**ug/m3**	**50**	**12**	**EPA-TO-15**	ND	**A01**	1
Methylene chloride	ND	ug/m3	250	18	EPA-TO-15	ND	A01	1
Methyl ethyl ketone	ND	ug/m3	50	6.8	EPA-TO-15	ND	A01	1
Methyl isobutyl ketone	ND	ug/m3	130	14	EPA-TO-15	ND	A01	1
Methyl t-butyl ether	ND	ug/m3	50	6.5	EPA-TO-15	ND	A01	1
Propylene	ND	ug/m3	50	7.0	EPA-TO-15	ND	A01	1
Styrene	ND	ug/m3	130	5.5	EPA-TO-15	ND	A01	1
1,1,2,2-Tetrachloroethane	ND	ug/m3	130	15	EPA-TO-15	ND	A01	1
Tetrachloroethene	**190**	**ug/m3**	**50**	**24**	**EPA-TO-15**	ND	**A01**	1
Tetrahydrofuran	ND	ug/m3	50	9.0	EPA-TO-15	ND	A01	1
Toluene	ND	ug/m3	50	8.0	EPA-TO-15	ND	A01	1
1,2,4-Trichlorobenzene	ND	ug/m3	250	180	EPA-TO-15	ND	A01	1
1,1,1-Trichloroethane	ND	ug/m3	130	21	EPA-TO-15	ND	A01	1
1,1,2-Trichloroethane	ND	ug/m3	130	22	EPA-TO-15	ND	A01	1
Trichloroethene	ND	ug/m3	50	18	EPA-TO-15	ND	A01	1
Trichlorofluoromethane	ND	ug/m3	130	40	EPA-TO-15	ND	A01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	130	25	EPA-TO-15	ND	A01	1
1,2,4-Trimethylbenzene	ND	ug/m3	130	6.3	EPA-TO-15	ND	A01	1
1,3,5-Trimethylbenzene	ND	ug/m3	130	8.3	EPA-TO-15	ND	A01	1
Vinyl acetate	ND	ug/m3	50	13	EPA-TO-15	ND	A01	1
Vinyl chloride	ND	ug/m3	50	12	EPA-TO-15	ND	A01	1
p- & m-Xylenes	ND	ug/m3	130	15	EPA-TO-15	ND	A01	1
o-Xylene	ND	ug/m3	130	6.3	EPA-TO-15	ND	A01	1
Total Xylenes	ND	ug/m3	250	22	EPA-TO-15	ND	A01	1
4-Bromofluorobenzene (Surrogate)	89.9	%	70 - 130 (LCL - UCL)		EPA-TO-15			1

Well Test, Inc.
1180 Delmas Ave.
San Jose, CA 95125

Reported: 03/04/2016 14:02
Project: Air Samples
Project Number: 5031 - Four Seasons Cleaners
Project Manager: Bill Dugan

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

BCL Sample ID: 1605653-02 | **Client Sample Name:** Four Seasons Cleaners, IA-9-off, 2/23/2016 10:50:00AM, Wills

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-TO-15	03/02/16	03/04/16 11:57	MJB	MS-A1	25.100	BZC0158

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San Jose, CA 95125

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Project: Air Samples
Project Number: 5031 - Four Seasons Cleaners
Project Manager: Bill Dugan

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

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BZC0158						
Acetone	BZC0158-BLK1	ND	ug/m3	5.0	0.31	
Acrylonitrile	BZC0158-BLK1	ND	ug/m3	2.0	0.35	
Allyl chloride	BZC0158-BLK1	ND	ug/m3	2.0	0.29	
Benzene	BZC0158-BLK1	ND	ug/m3	2.0	0.42	
Benzyl chloride	BZC0158-BLK1	ND	ug/m3	10	0.26	
Bromodichloromethane	BZC0158-BLK1	ND	ug/m3	5.0	0.81	
Bromoform	BZC0158-BLK1	ND	ug/m3	10	0.64	
Bromomethane	BZC0158-BLK1	ND	ug/m3	2.0	0.63	
1,3-Butadiene	BZC0158-BLK1	ND	ug/m3	2.0	0.40	
Carbon disulfide	BZC0158-BLK1	ND	ug/m3	2.0	0.38	
Carbon tetrachloride	BZC0158-BLK1	ND	ug/m3	5.0	1.1	
Chlorobenzene	BZC0158-BLK1	ND	ug/m3	5.0	0.83	
Chloroethane	BZC0158-BLK1	ND	ug/m3	2.0	0.64	
Chloroform	BZC0158-BLK1	ND	ug/m3	5.0	0.74	
Chloromethane	BZC0158-BLK1	ND	ug/m3	2.0	0.40	
Cyclohexane	BZC0158-BLK1	ND	ug/m3	2.0	0.28	
Dibromochloromethane	BZC0158-BLK1	ND	ug/m3	5.0	1.4	
1,2-Dibromoethane	BZC0158-BLK1	ND	ug/m3	5.0	0.93	
1,2-Dichlorobenzene	BZC0158-BLK1	ND	ug/m3	5.0	0.31	
1,3-Dichlorobenzene	BZC0158-BLK1	ND	ug/m3	5.0	0.35	
1,4-Dichlorobenzene	BZC0158-BLK1	ND	ug/m3	5.0	0.31	
Dichlorodifluoromethane	BZC0158-BLK1	ND	ug/m3	5.0	1.1	
1,1-Dichloroethane	BZC0158-BLK1	ND	ug/m3	5.0	0.57	
1,2-Dichloroethane	BZC0158-BLK1	ND	ug/m3	5.0	0.53	
1,1-Dichloroethene	BZC0158-BLK1	ND	ug/m3	5.0	0.64	
cis-1,2-Dichloroethene	BZC0158-BLK1	ND	ug/m3	2.0	0.39	
trans-1,2-Dichloroethene	BZC0158-BLK1	ND	ug/m3	2.0	0.52	
1,2-Dichloropropane	BZC0158-BLK1	ND	ug/m3	5.0	0.70	
cis-1,3-Dichloropropene	BZC0158-BLK1	ND	ug/m3	5.0	0.26	
trans-1,3-Dichloropropene	BZC0158-BLK1	ND	ug/m3	5.0	0.33	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	BZC0158-BLK1	ND	ug/m3	5.0	0.98	
1,1-Difluoroethane	BZC0158-BLK1	ND	ug/m3	5.0	2.0	
1,4-Dioxane	BZC0158-BLK1	ND	ug/m3	2.0	0.44	
Ethanol	BZC0158-BLK1	ND	ug/m3	2.0	0.61	

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

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BZC0158						
Ethyl acetate	BZC0158-BLK1	ND	ug/m3	2.0	0.47	
Ethylbenzene	BZC0158-BLK1	ND	ug/m3	5.0	0.28	
1-Ethyl-4-methylbenzene	BZC0158-BLK1	ND	ug/m3	5.0	0.47	
n-Heptane	BZC0158-BLK1	ND	ug/m3	2.0	0.50	
Hexachlorobutadiene	BZC0158-BLK1	ND	ug/m3	10	0.54	
Hexane	BZC0158-BLK1	ND	ug/m3	5.0	0.46	
2-Hexanone	BZC0158-BLK1	ND	ug/m3	5.0	0.21	
Isopropyl alcohol	BZC0158-BLK1	ND	ug/m3	2.0	0.47	
Methylene chloride	BZC0158-BLK1	ND	ug/m3	10	0.73	
Methyl ethyl ketone	BZC0158-BLK1	ND	ug/m3	2.0	0.27	
Methyl isobutyl ketone	BZC0158-BLK1	ND	ug/m3	5.0	0.54	
Methyl t-butyl ether	BZC0158-BLK1	ND	ug/m3	2.0	0.26	
Propylene	BZC0158-BLK1	ND	ug/m3	2.0	0.28	
Styrene	BZC0158-BLK1	ND	ug/m3	5.0	0.22	
1,1,2,2-Tetrachloroethane	BZC0158-BLK1	ND	ug/m3	5.0	0.58	
Tetrachloroethene	BZC0158-BLK1	ND	ug/m3	2.0	0.95	
Tetrahydrofuran	BZC0158-BLK1	ND	ug/m3	2.0	0.36	
Toluene	BZC0158-BLK1	ND	ug/m3	2.0	0.32	
1,2,4-Trichlorobenzene	BZC0158-BLK1	ND	ug/m3	10	7.2	
1,1,1-Trichloroethane	BZC0158-BLK1	ND	ug/m3	5.0	0.82	
1,1,2-Trichloroethane	BZC0158-BLK1	ND	ug/m3	5.0	0.88	
Trichloroethene	BZC0158-BLK1	ND	ug/m3	2.0	0.70	
Trichlorofluoromethane	BZC0158-BLK1	ND	ug/m3	5.0	1.6	
1,1,2-Trichloro-1,2,2-trifluoroethane	BZC0158-BLK1	ND	ug/m3	5.0	1.0	
1,2,4-Trimethylbenzene	BZC0158-BLK1	ND	ug/m3	5.0	0.25	
1,3,5-Trimethylbenzene	BZC0158-BLK1	ND	ug/m3	5.0	0.33	
Vinyl acetate	BZC0158-BLK1	ND	ug/m3	2.0	0.50	
Vinyl chloride	BZC0158-BLK1	ND	ug/m3	2.0	0.49	
p- & m-Xylenes	BZC0158-BLK1	ND	ug/m3	5.0	0.61	
o-Xylene	BZC0158-BLK1	ND	ug/m3	5.0	0.25	
Total Xylenes	BZC0158-BLK1	ND	ug/m3	10	0.86	
4-Bromofluorobenzene (Surrogate)	**BZC0158-BLK1**	**71.8**	%	**70 - 130 (LCL - UCL)**		

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Reported: 03/04/2016 14:02
Project: Air Samples
Project Number: 5031 - Four Seasons Cleaners
Project Manager: Bill Dugan

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

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BZC0158										
Benzene	BZC0158-BS1	LCS	16.549	15.974	ug/m3	104		70 - 130		
	BZC0158-BSD1	LCSD	17.194	15.974	ug/m3	108	3.8	70 - 130	30	
Chloroform	BZC0158-BS1	LCS	27.069	24.413	ug/m3	111		70 - 130		
	BZC0158-BSD1	LCSD	27.767	24.413	ug/m3	114	2.5	70 - 130	30	
Ethylbenzene	BZC0158-BS1	LCS	23.808	21.711	ug/m3	110		70 - 130		
	BZC0158-BSD1	LCSD	24.611	21.711	ug/m3	113	3.3	70 - 130	30	
Tetrachloroethene	BZC0158-BS1	LCS	39.515	33.913	ug/m3	117		70 - 130		
	BZC0158-BSD1	LCSD	40.641	33.913	ug/m3	120	2.8	70 - 130	30	
Toluene	BZC0158-BS1	LCS	22.803	18.842	ug/m3	121		70 - 130		
	BZC0158-BSD1	LCSD	23.609	18.842	ug/m3	125	3.5	70 - 130	30	
Trichloroethene	BZC0158-BS1	LCS	32.549	26.869	ug/m3	121		70 - 130		
	BZC0158-BSD1	LCSD	33.597	26.869	ug/m3	125	3.2	70 - 130	30	
Trichlorofluoromethane	BZC0158-BS1	LCS	31.620	28.092	ug/m3	113		70 - 130		
	BZC0158-BSD1	LCSD	31.968	28.092	ug/m3	114	1.1	70 - 130	30	
1,1,2-Trichloro-1,2,2-trifluoroethane	BZC0158-BS1	LCS	38.908	38.318	ug/m3	102		70 - 130		
	BZC0158-BSD1	LCSD	39.974	38.318	ug/m3	104	2.7	70 - 130	30	
p- & m-Xylenes	BZC0158-BS1	LCS	52.592	43.421	ug/m3	121		70 - 130		
	BZC0158-BSD1	LCSD	54.007	43.421	ug/m3	124	2.7	70 - 130	30	
o-Xylene	BZC0158-BS1	LCS	26.313	21.711	ug/m3	121		70 - 130		
	BZC0158-BSD1	LCSD	27.125	21.711	ug/m3	125	3.0	70 - 130	30	
Total Xylenes	BZC0158-BS1	LCS	78.905	65.132	ug/m3	121		70 - 130		
	BZC0158-BSD1	LCSD	81.133	65.132	ug/m3	125	2.8	70 - 130	30	
4-Bromofluorobenzene (Surrogate)	BZC0158-BS1	LCS	70.5	71.6	ug/m3	98.4		70 - 130		
	BZC0158-BSD1	LCSD	70.2	71.6	ug/m3	98.1	0.3	70 - 130		

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Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
A01	Detection and quantitation limits are raised due to sample dilution.

ATTACHMENT D

Client Transmittal Letter

March 4, 2016

Mr. Mark Detterman
Alameda County LOP
1131 Harbor Bay Parkway
Alameda, California 94502

Re: **Indoor Air Sampling Report (Report #5031)**
Four Seasons Cleaners; Cleanup Program # RO0003155
13778 Doolittle Ave., San Leandro, California

Dear Mr. Detterman:

Attached for your review is a technical report (Indoor Air Sampling Report – WTI #5031) for the above referenced case. The report was prepared by WellTest, Inc. at my request.

I declare under the penalty of perjury that information and/or recommendations contained in the attached report are true and correct, to the best of your knowledge.

If you should have any questions or comments, please do not hesitate to contact me, or the WellTest project manager, Bill Dugan at (408) 287-2175.

Sincerely,

Mr. Ernest Lee
Marina Faire Shopping Center
3271 S. Highland Dr., Ste. #704
Las Vegas, NV 89109

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER ESI

UPLOADING A GEO_REPORT FILE

SUCCESS

Your GEO_REPORT file has been successfully submitted!

Submittal Type:	**GEO_REPORT**
Report Title:	**Indoor Air Sampling Report (Report #5031)**
Report Type:	**Soil and Water Investigation Report**
Report Date:	**3/4/2016**
Facility Global ID:	**T10000006425**
Facility Name:	**Four Seasons Cleaners**
File Name:	**RO3155_SWI_R_2016_03_04.pdf**
Organization Name:	**WellTest, Inc.**
Username:	**WellTest, Inc.**
IP Address:	**70.214.8.188**
Submittal Date/Time:	**3/22/2016 12:51:42 PM**
Confirmation Number:	**5148016393**