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By Alameda County Environmental Health at 1:41 pm, Mar 09, 2015

March 6, 2015

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

Re: Soil and Water Investigation Report and Vapor Assessment Work Plan (Report #4401)
Four Seasons Cleaners; Cleanup Program # RO0003155
13778 Doolittle Drive, San Leandro, California

Dear Mr. Detterman:

At the request of Mr. Ernie Lee, WellTest, Inc. (WTI) has prepared this Soil and Water Investigation (SWI) Report and Vapor Assessment Work Plan for the above-referenced solvent release case (Figures 1 and 2). The objective of this investigation was to further define the extent of subsurface soil and water contamination initially identified in a Limited Phase II Soil, Water, and Soil Vapor Investigation prepared by PIERS Environmental Services, Inc. (PIERS) for the site. 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-dichloroethene (cis-1,2DCE). Based upon the results of the PIERS investigation, WTI prepared a Soil and Water Investigation Work Plan for the 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) and was approved (with comments) in a January 15, 2015 Directive Letter (Attachment A). WTI implemented the scope of the Work Plan in February 2015. The results of the investigation are presented in the following sections along with a Work Plan to conduct a Soil Vapor Investigation at the subject site.

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.

SOIL AND WATER INVESTIGATION

Temporary Direct Push Borings. On February 18, 2015, WTI advanced eight (8) borings (DP- 1 through DP-8) at the locations shown on Figure 2. A Geoprobe™ direct-pushed (hammered) a 2-inch diameter steel Macro-core barrel until groundwater was first encountered (between 12 to 16 ft bgs). The core barrels were lined with clear plastic disposable tubing to facilitate continuous soil coring and soil logging for description. Soils were logged using the United Soil Classification System (USCS). A description of the encountered subsurface materials is presented on the boring logs (Attachment C). One soil sample from each boring was retained for laboratory analysis. Additional samples were not retained because no signs of contamination (PID readings) or major changes in lithology above the water table were identified.

Construction and Sampling of Temporary Wells. Once groundwater was encountered in each of the borings, and a sufficient amount was present for sampling, the Macrocore was removed from the boring, and a temporary flush threaded, ¾-inch schedule 40 polyvinyl chloride (PVC) casing with 0.010-inch slots was placed within the boring. Groundwater samples were then collected from the temporary casing using a disposable polyethylene bailer or a peristaltic pump. See Attachment D for a more detailed description of the field methods.

Backfilling of Borings. Once all soil and grab groundwater samples are collected from the borings, each boring was backfilled from the bottom of the boring to ground surface with neat cement grout, per the requirements outlined in the ACPWA permits. The neat cement grout was composed of a mix consistency of one 94 pound bag of Portland cement to five gallons of water. An inspector from the ACPWA was on-site to witness the grouting process.

Laboratory Analyses – Soil and Groundwater Samples. Grab-groundwater and soil samples collected from each of the temporary borings were analyzed at a California State-certified laboratory for the presence of volatile organic compounds by EPA Analytical Test Method SW8260b.

Analytical Results – Soil. None of the soil samples contained contaminants of concern (COCs) above laboratory detection limits. A summary of the analytical results is presented, with historical data, in Table 2 and the complete laboratory data sheets are presented in Appendix E.

Analytical Results – Groundwater. A summary of the groundwater analytical results is presented, with historical data, in Table 3 and the complete laboratory data sheets are presented in Appendix D. A brief summary of the analytical data is presented as follows:

- **PCE** was detected in two of the eight samples submitted for analysis at concentrations of 160 µg/L (DP-3) and 12,000 µg/L (DP-4);
- **TCE** was detected in four of the eight samples submitted for analysis at concentrations ranging from 0.69 µg/L (DP-2) to 2,100 µg/L (DP-4);
- **cis-1,2DCE** was detected in two of the eight samples submitted for analysis at concentrations of 6.6 µg/L (DP-3) and 610 µg/L (DP-4);
- **trans-12DCE** was detected in one of the eight samples submitted for analysis at a concentration of 11 µg/L in DP-4;
- **Vinyl chloride** was not detected above laboratory detection limits in any of the eight samples submitted for analysis;
- **MTBE** was detected in four of the eight samples submitted for analysis at concentrations ranging from 0.55 µg/L (DP-2) to 1.6 µg/L (DP-6);
- No other constituents of concern were detected at concentrations exceeding laboratory detection limits.

Discussion of Analytical Results. Based upon the results of this current investigation, subsurface soils outside of the dry cleaner do not appear to be impacted by any COCs. However, a significant VOC groundwater plume consisting primarily of PCE (and its breakdown products, TCE and cis-12DCE) appears to be present and emanating from the on-site dry cleaner. The groundwater plume appears to be spreading in a southwesterly direction, as the highest concentrations of COCs identified during this investigation were found in the sample collected from boring DP-4, located directly southwest of the dry cleaner (Figure 7).

Although, a specific source within the dry cleaning unit is unknown at this time, the highest historical concentrations of COCs in both soil and soil vapor were detected in sampling point S-3 (see Tables 1 through 3). As shown on Figure 3, this sampling point was located near the rear of the dry-cleaning unit, approximately six feet from a large floor drain that is part of the boiler room portion of the unit. It is possible that dry cleaning chemicals had historically been dumped down this floor drain and leaked into the subsurface, thereby making the drain a potential source of the identified VOC subsurface contamination. To accurately determine a source area, and to further assess soil vapor and indoor air at the subject site, WTI is presenting, in the following sections, a Soil Vapor Investigation Work Plan.

SOIL VAPOR ASSESSMENT WORK PLAN

As described in the previous sections, the objectives of this Work Plan will be to 1.) Attempt to accurately determine a source area of VOC subsurface contamination within the dry cleaning unit, 2.) Further assess soil vapor and indoor air within the dry cleaner, and 3.) Comply with regulatory directives (see Attachment A). The following proposed tasks will be completed to accomplish the objectives of this work plan:

Task 1 **Project Setup and Management.** Work performed under Task 1 includes all client and agency contact tasks to obtain Work Plan approval, and to additionally obtain site access, mark the site, arrange for a utility locating service, and scheduling of all field activities.

Task 2 **Construction of Two Dual-Completion (4.0 ft & 8.0 ft bgs) Soil-Gas Sampling Points.** WTI will advance two borings (SG-1A/B and SG-2A/B) in general accordance with the Department of Toxic Substance Control's (DTSC's) guidelines for Active Soil Gas Investigations. The borings will be advanced to approximately 8.5 ft bgs (first groundwater was previously encountered at approximately 10.5 feet bgs in borings inside the building). After coring a hole in the concrete slab floor, the borings will be advanced using a three-inch diameter hand auger at the locations shown on Figure 8. WTI will place ¼-inch diameter Teflon® tubing attached to a polyethylene vapor implant to 8.0 ft bgs; install a sand pack of #2/12 or #2/16 sand adjacent to the soil-gas implant within the borings from 8.5 to 7.5 feet bgs; place approximately 12-inches of dry granular bentonite above the sand pack, followed by a hydrated bentonite seal to 4.5 ft bgs. A second ¼-inch diameter Teflon® tubing attached to a polyethylene vapor implant will then be placed in the boring to a depth of 4.0 ft bgs. A second sand pack, also consisting of #2/12 sand, will be placed adjacent to the soil-gas implant from 4.5 to 3.5 ft bgs. Approximately 12-nches of dry granular bentonite above the sand pack, followed by a hydrated bentonite seal to six-inches bgs. The seal should minimize ambient air from the atmosphere from intruding into the area of the polyethylene probe.

Task 3 **Installation of Sub-Slab Sampling Points**. WTI proposes to install a four (4) sub-slab sampling points (VP-1 through VP-4) within the interior of the dry cleaner. Two of the sub-slab sample points (VP-1 and VP-2) will be installed adjacent to the dual completion sampling points SG-1A/B and SG-2A/B (Task 2). The other two sub-slab sample points (VP-3 and VP-4) will be placed in the approximate locations shown on Figure 8, in an attempt to further define the lateral extent of the soil gas plume. Each of the sampling points will consist of a Vapor Pin™ (or similar) sub-slab sampling point. A Vapor Pin™ is a patented reusable soil gas sampling device designed specifically for sub-slab sampling investigations. The Vapor Pin™ will be installed following the standard operating procedures presented in Appendix C, which, in general, consist of the following 10 steps:

- Check for buried obstacles (pipes, utilities, etc.) prior to proceeding.
- Set up wet/dry vacuum to collect drill cuttings (if necessary).
- If a flush mount installation is required drill a ½–inch diameter hole at least ¾-inches into the concrete slab floor using a roto-hammer or similar device.
- Drill a 5/8-inch diameter hole through the slab and approximately 1-inch into the underlying soil or base rock to form a void.
- Remove the drill bit, brush the hole with the bottle brush, and remove the loose cuttings with the vacuum.
- Place the lower end of the Vapor Pin™ assembly into the drilled hole. Place the small hole located in the handle of the extraction/installation tool over the Vapor Pin™ to protect the barb fitting and cap, tap the Vapor Pin™ into place using a dead blow hammer.
- Cover the Vapor Pin™ with a flush mount cover.
- Allow a minimum of 2 hours for the sub-slab soil gas conditions to equilibrate prior to sampling.
- Remove the protective cap and connect the sample tubing to the barb fitting of the Vapor Pin™.
- Conduct a leak test by placing a water dam around the Vapor Pin™.

Task 4 **Purging and Sampling Soil Gas Sampling Points.** In general accordance with the DTSC's guidelines for Active Soil Gas Investigations, WTI will sample each of the eight newly installed soil gas sampling points (SG-1A/B, SG-2A/B, and VP-1 through VP-4). Prior to sampling, WTI will purge the Teflon® tubing and the voids within the lower sand-pack and granular bentonite portions of each soil-gas sampling point of three volumes of air using a 60 ml syringe or a SUMA® canister (purge canister) and will collect soil gas samples at a flow rate less than 200 milliliters per minute in either one or six liter laboratory-supplied evacuated sample-collection SUMA® canisters. Sampling will be aborted if soil gas flow rates are less than 10 ml/minute, or vacuum exceeds 10-in of mercury. Each soil-gas sampling point will be sampled under a shroud in a Helium enriched atmosphere. The Helium will provide a quantifiable method (inert tracer) to ensure that representative soil gas samples are collected from each well.

Task 5 **Indoor Air Sampling.** As requested by the ACPWA in their Directive Letter (Attachment A), WTI will conduct an indoor air sampling event in conjunction with the soil gas sampling investigation (Tasks 2 through 4). The indoor air sampling event will be completed in general accordance with the DTSC's April 2012 *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 two indoor air samples (IND-1 and IND-2) and one exterior "ambient" air sample (OUT-1) will be collected. The proposed sample locations are shown on Figure 8. Each sample will be collected using an evacuated SUMA® canister (6-L) equipped with a 24-hour flow regulator. Each canister will be placed within the breathing zone (approximately 3 to 5 feet above ground surface) and care will taken to deploy the canisters away from the direct influence of any forced air emanating from air conditioners, furnaces, or heaters. The canister vacuum will be 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 will be fully closed and the time recorded. Additional data, including: outside and interior temperatures, equipment serial numbers, sampler name, and other comments will also be recorded.

Task 6 **Laboratory Analyses – Soil Gas and Indoor Air Samples.** Vapor samples collected from the soil gas, sub-slab, and indoor and ambient air sampling points will be analyzed at California State-certified laboratory. Each sample will be analyzed for VOCs by EPA Test TO-15. The soil gas samples will additionally be analyzed for percent oxygen and helium. The samples will be transported to the contract laboratory under chain-of-custody-record, within a dark ambient temperature container (Suma® canister). An electronic deliverable report (EDF) will be requested in addition a PDF copy of the certified laboratory report of the results for the soil gas sample testing work order.

Task 7 **Utility Conduit Locations.** As stated in the Directive Letter (Attachment A), an additional area of concern is the location and depth of subsurface utilities beneath the site. The primary layouts of obvious utility traces and known locations of sumps, sinks and toilets, as observed during the Soil and Water Investigation are shown on Figures 3 through 8. As part of this proposed task WTI will hire a private underground locater to further accurately identify the traces of any subsurface utilities within the dry cleaning unit that may act as potential conduits for migration of subsurface contamination.

Task 8 **Technical Report.** WTI will prepare and submit a Soil Vapor Investigation Report. The report will include, at a minimum, the following: 1) A description of the sampling methods; 2) Boring logs; 3) Laboratory data tables; 4) A map showing the location of all borings and test points; 6) Laboratory reports and chain-of-custody records; 7) A discussion of the results of the study, and 8) WTI's conclusions and recommendations. The report will be signed and stamped by a State of California Professional Geologist. WellTest will submit this report to the GeoTracker databases pending client approval.

The following is an estimated timeline to complete the tasks outlined within this Workplan:

Task 1 – Will be completed within two (2) weeks of regulatory approval of this Workplan.

Tasks 2 and 3 – Will take place within two (2) weeks of Task 1.

Task 4 and 5 – Will take place a minimum of 48 hours after completion of Tasks 2 and 3.

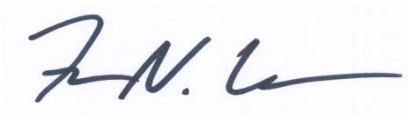
Task 6 and 7 – Will be completed within 10 business days of completion of Tasks 4 and 5.

Task 8 – Will be completed no more than two (2) weeks following receipt of the laboratory analytical data (Task 5).

CERTIFICATION

To the best of my knowledge, all statements made in this Report and Work Plan is true and correct. This Report and Work Plan 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 at (408) 287-2175. A copy of the client-authorization transmittal letter is provided in Attachment G.

Respectfully submitted,
WELLTEST, INC.



Forrest N. Cook
California Professional Geologist #8201 (exp 9/16)

List of Tables, Figures, and Attachments

Distribution List

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Limitations

Geologic services (scientific aspects of subsurface data collection, interpretation, and reporting) documented in this report were performed by WELLTEST in accordance with the methods and generally accepted standards provided by licensed Geologists performing similar work in Northern California during the time the project was completed.

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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
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
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

TABLE 1
SUMMARY OF HISTORICAL SOIL VAPOR ANALYTICAL DATA
13778 DOOLITTLE AVE.
SAN LEANDRO, CALIFORNIA

Sample ID	Sample Depth (ft)	Sample Date	PCE ($\mu g/m^3$)	TCE ($\mu g/m^3$)	cis-12DCE ($\mu g/m^3$)	VC ($\mu g/m^3$)	Other VOCs ($\mu g/m^3$)	He MOL %	O_2 MOL %
S1 Air	0.5	08/10/14	**63,000**	**890**	ND<320	ND<210	All ND	---	---
S2 Air	0.5	08/10/14	**240,000**	**16,000**	ND<960	ND<620	All ND	---	---
S3 Air	0.5	08/10/14	**4,500,000**	**92,000**	ND<20,000	ND<13,000	All ND	---	---
CHHSL Comm/Ind.			**1,600**	**4,400**	**120,000**	**95**	**varies**	**NA**	**NA**
ESLs Comm/Ind.			**2,100**	**3,000**	**NA**	**160**	**varies**	**NA**	**NA**

Notes:

--- = Parameter not analyzed

NA = parameter not established

Other VOCs = all other constituents of test method TO-15

<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

TCE = Trichloroethene

PCE = Tetrachloroethane

cis-12DCE = cis-1,2,Dichloroethene

VC = Vinyl Chloride

TABLE 2
SUMMARY OF CURRENT AND HISTORICAL SOIL ANALYTICAL DATA
13778 DOOLITTLE AVE
SAN LEANDRO, CALIFORNIA

Sample ID	Sample Depth (ft.)	Sample Date	TPHd (mg/Kg)	PCE (mg/Kg)	TCE (mg/Kg)	cis-12DCE (mg/Kg)	VC (mg/Kg)	Other VOCs (mg/Kg)
S1 d 0.5'	0.5	08/10/14	**3.2**	**0.056**	<0.0049	<0.0049	<0.0098	All ND
S2 d 0.5'	0.5	08/10/14	**2.6**	**0.045**	<0.0041	<0.0041	<0.0091	All ND
S3 d 0.5'	0.5	08/10/14	**2.1**	**0.1**	<0.0047	<0.0047	<0.0097	All ND
S3 d 2'	2.0	08/10/14	ND<1.0	**20**	<0.0250	<0.0250	<0.0500	All ND
S3 d 5'	5.0	08/10/14	ND<1.0	**2.4**	<0.0250	<0.0250	<0.0500	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
DP-2d14.5	14.5	02/18/15	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
DP-3d14.0	14.0	02/18/15	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
DP-4d14.5	14.5	02/18/15	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
DP-5d8.0	8.0	02/18/15	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
DP-6d15.0	15.0	02/18/15	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
DP-7d15.0	15.0	02/18/15	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
DP-8d15.0	15.0	02/18/15	---	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005
Residential ESL			**100**	**0.55**	**0.46**	**0.190**	**0.032**	**varies**
Comm./Industrial ESL			**500**	**0.70**	**0.46**	**0.190**	**0.032**	**varies**

Notes:

S1 thru S3 collected by PIERS Environmental.
--- = Parameter not analyzed
<0.5 / ND = Not present at or above reporting detection limit
mg/Kg = micrograms per kilogram = parts per million = ppm
ESLs = Environmental Screening Levels shallow soil (potential source of drinking water): Summary Table A, May 2013
TPHd = Total Petroleum Hydrocarbons as diesel
PCE = Tetrachloroethene
TCE = Trichloroethene
cis-12DCE = cis-1,2,Dichloroethene
VC = Vinyl Chloride

TABLE 3
SUMMARY OF CURRENT AND HISTORICAL GROUNDWATER ANALYTICAL DATA
13778 DOOLITTLE AVE
SAN LEANDRO, CALIFORNIA

Sample ID	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-12DCE (µg/L)	trans-12DCE (µg/L)	VC (µg/L)	DCFM (µg/L)	MtBE (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<0.50	ND<0.50	ND<0.50	ND<0.50	All ND
DP-2	02/18/15	ND<0.50	**0.69**	ND<0.50	ND<0.50	ND<0.50	**6.3**	**0.55**	All ND
DP-3	02/18/15	**160**	**35**	**6.6**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	All ND[1]
DP-4	02/18/15	**12,000**	**2,100**	**610**	**11**	ND<0.50	ND<0.50	ND<0.50	All ND[2]
DP-5	02/18/15	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**8.5**	**0.61**	All ND
DP-6	02/18/15	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	**3.0**	**1.6**	All ND
DP-7	02/18/15	ND<0.50	**0.77**	ND<0.50	ND<0.50	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<0.50	ND<0.50	**5.9**	**0.84**	All ND
ESLs		**5.0**	**5.0**	**6.0**	**10.0**	**0.5**	**NA**	**5.0**	**varies**

Notes:

* = S-3 collected by PIERS Environmental. TPHd was also analyzed and not detected.
--- = Parameter not analyzed
<0.5 / ND = Not present at or above reporting detection limit (or practical detection limit)
µg/L = micrograms per liter = parts per billion = ppb
All ND = all other constituents of test method 8260b
ESLs = Environmental Screening Levels Groundwater (potential source of drinking water): Summary Table A, May 2013
PCE = Tetrachloroethene
TCE = Trichloroethene
cis-12DCE = cis-1,2,Dichloroethene
trans-12DCE = trans-1,2,Dichloroethene
VC = Vinyl Chloride
DCFM = Dichlorodifluoromethane
MtBE = Methyl t-butyl ether

1 = 1,1-DCE detected at 0.66 ug/L
2 = 1,1-DCE detected at 4.0 ug/L, 1.1-DCA at 1.0, & chlorobenzene at 2.0 ug/L

FIGURES

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

APPROX. SCALE

0 0.75 1.5 MI

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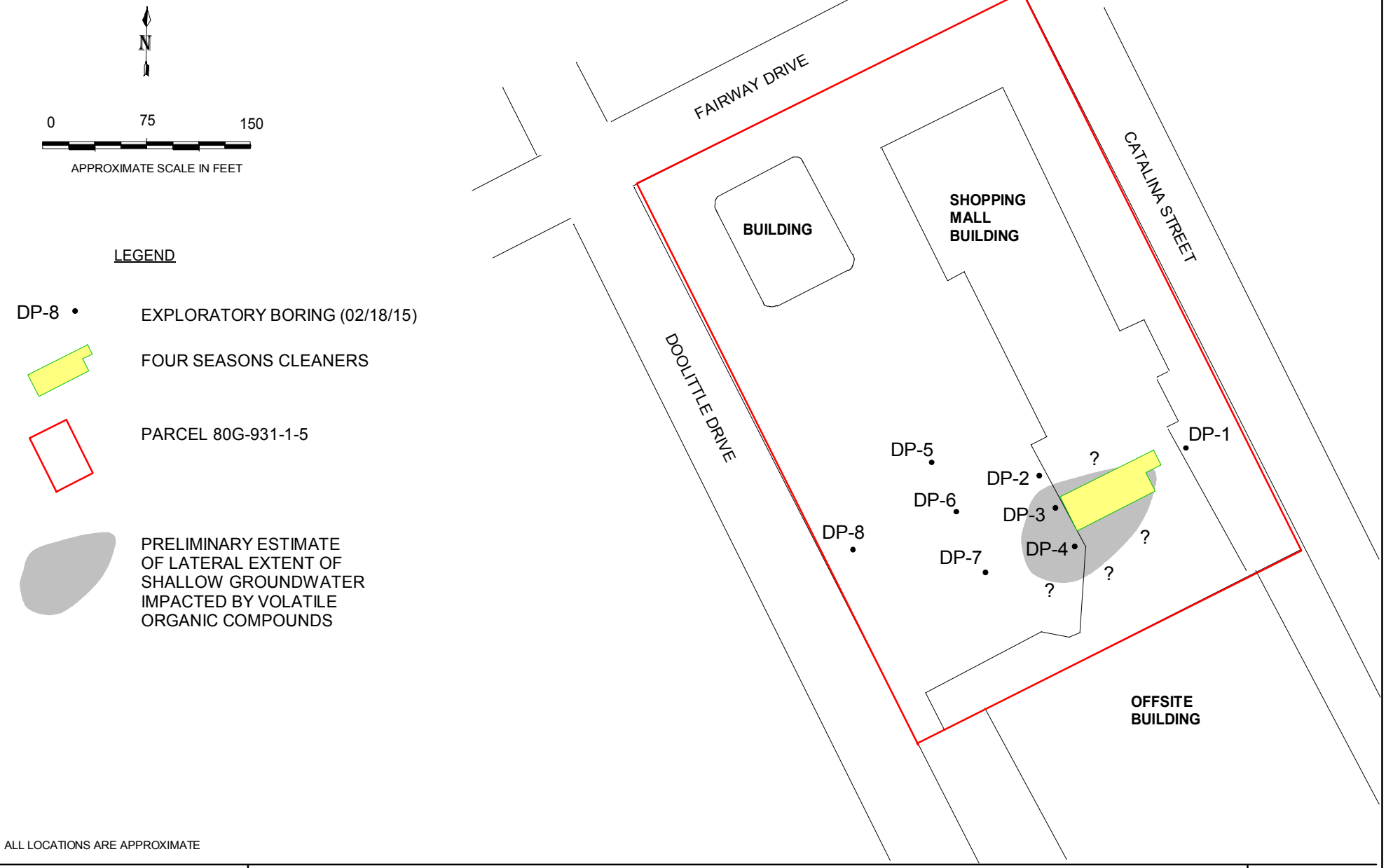
13778 DOOLITTLE AVE.
SAN LEANDRO, CALIFORNIA

SITE VICINITY MAP

FIGURE

1



ALL LOCATIONS ARE APPROXIMATE

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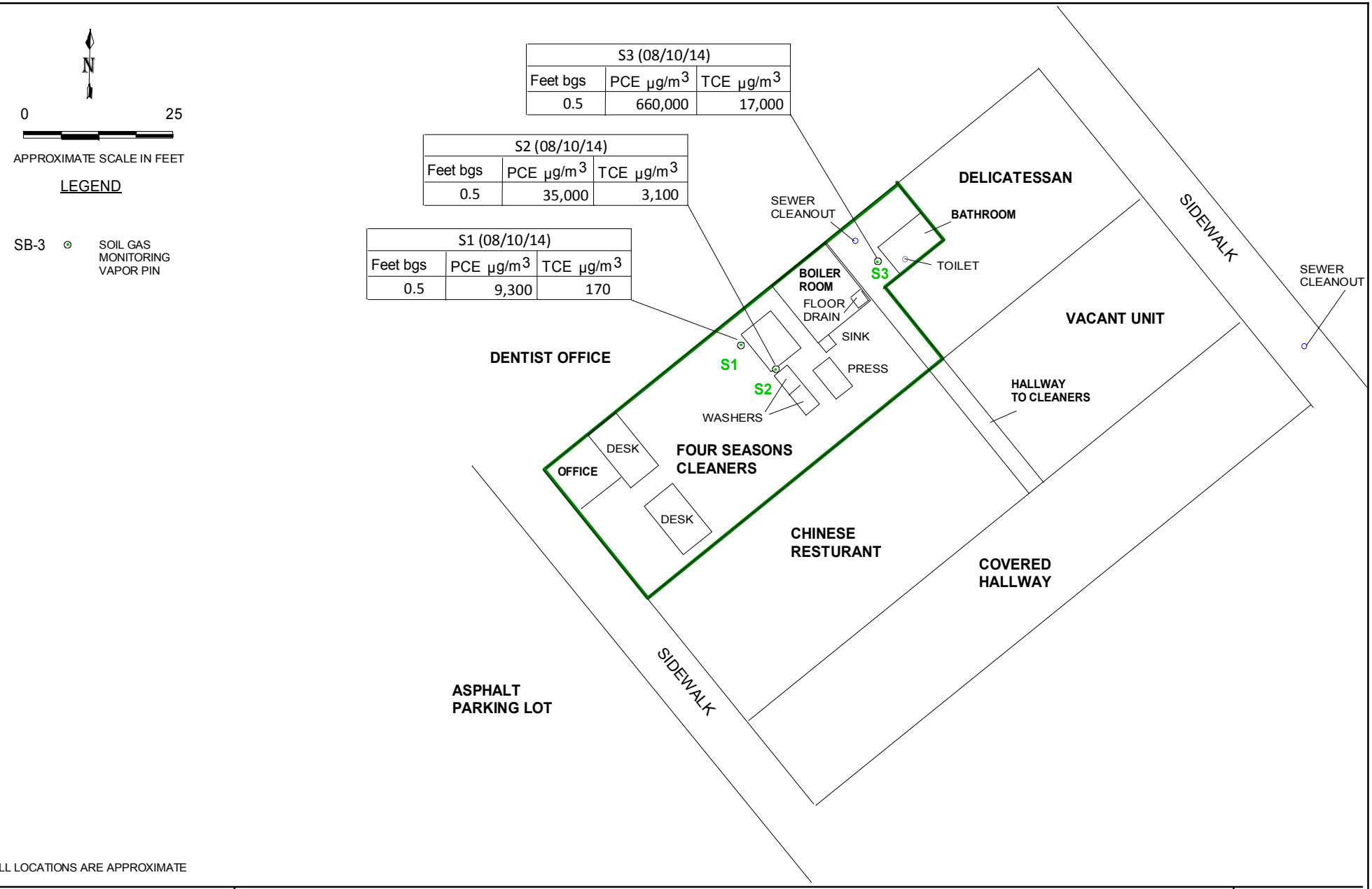
Phone (408) 287-2175

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



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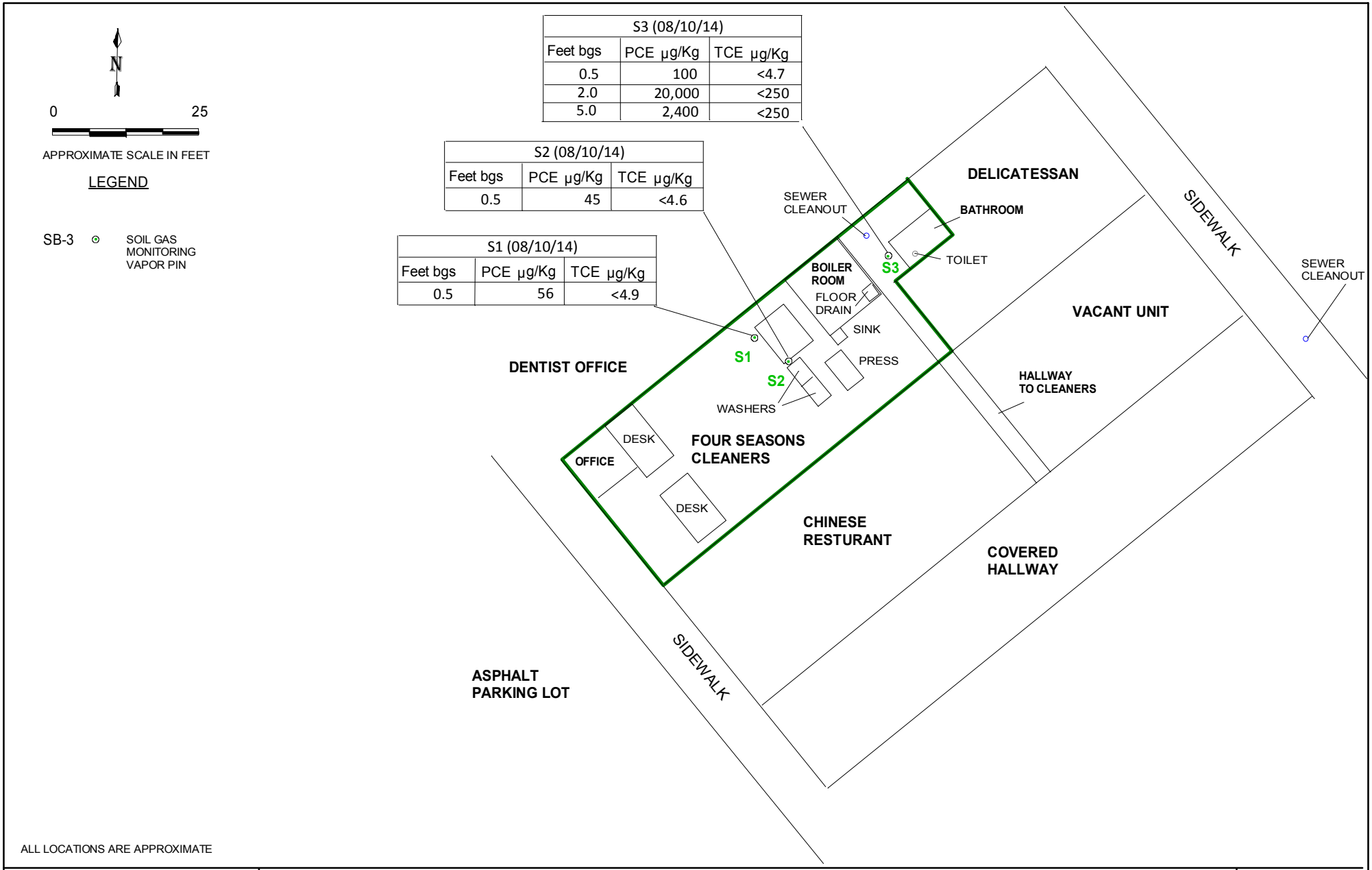
GENERALIZED SITE MAP - SHOWING PCE & TCE CONCENTRATIONS IN SUB-SLAB SOIL GAS SAMPLES COLLECTED 08/10/14

FOUR SEASONS CLEANERS
13778 DOOLITTLE DRIVE
SAN LEANDRO, CALIFORNIA

FIGURE 3

File: 4401/Figure 4



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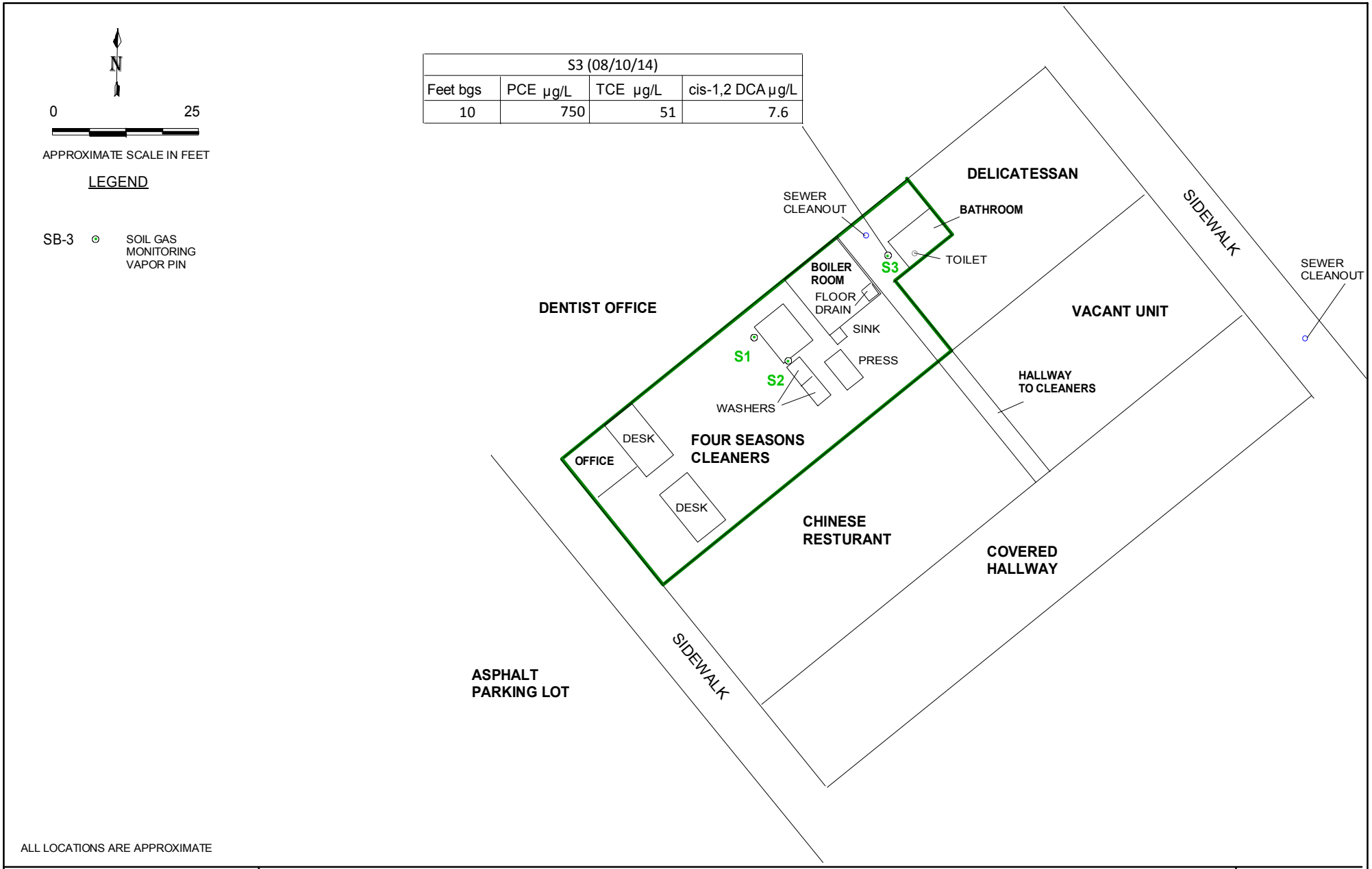
GENERALIZED SITE MAP - SHOWING PCE & TCE CONCENTRATIONS IN SUBSURFACE SOIL SAMPLES COLLECTED 08/10/14

FOUR SEASONS CLEANERS
13778 DOOLITTLE DRIVE
SAN LEANDRO, CALIFORNIA

FIGURE 4

File: 4401/Figure 4



ALL LOCATIONS ARE APPROXIMATE

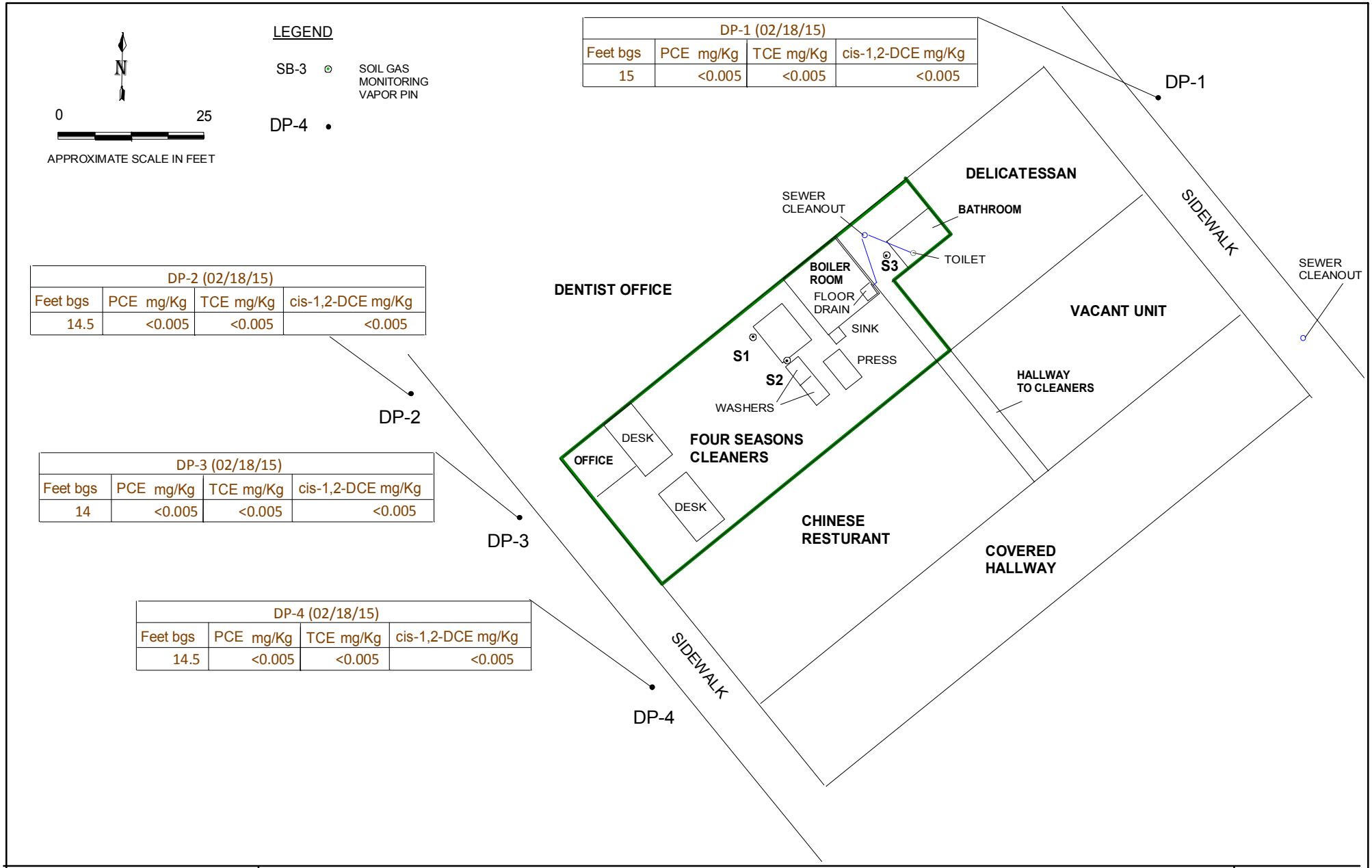
WellTest, Inc.
License No. 843074
P.O. Box 8548
San Jose, CA 95155
Phone (408) 287-2175

GENERALIZED SITE MAP - SHOWING PCE, TCE & cis-1,2-DCE CONCENTRATIONS IN GROUNDWATER SAMPLES COLLECTED 08/10/14

FOUR SEASONS CLEANERS
13778 DOOLITTLE DRIVE
SAN LEANDRO, CALIFORNIA

FIGURE 5

File: 4401/Figure 5



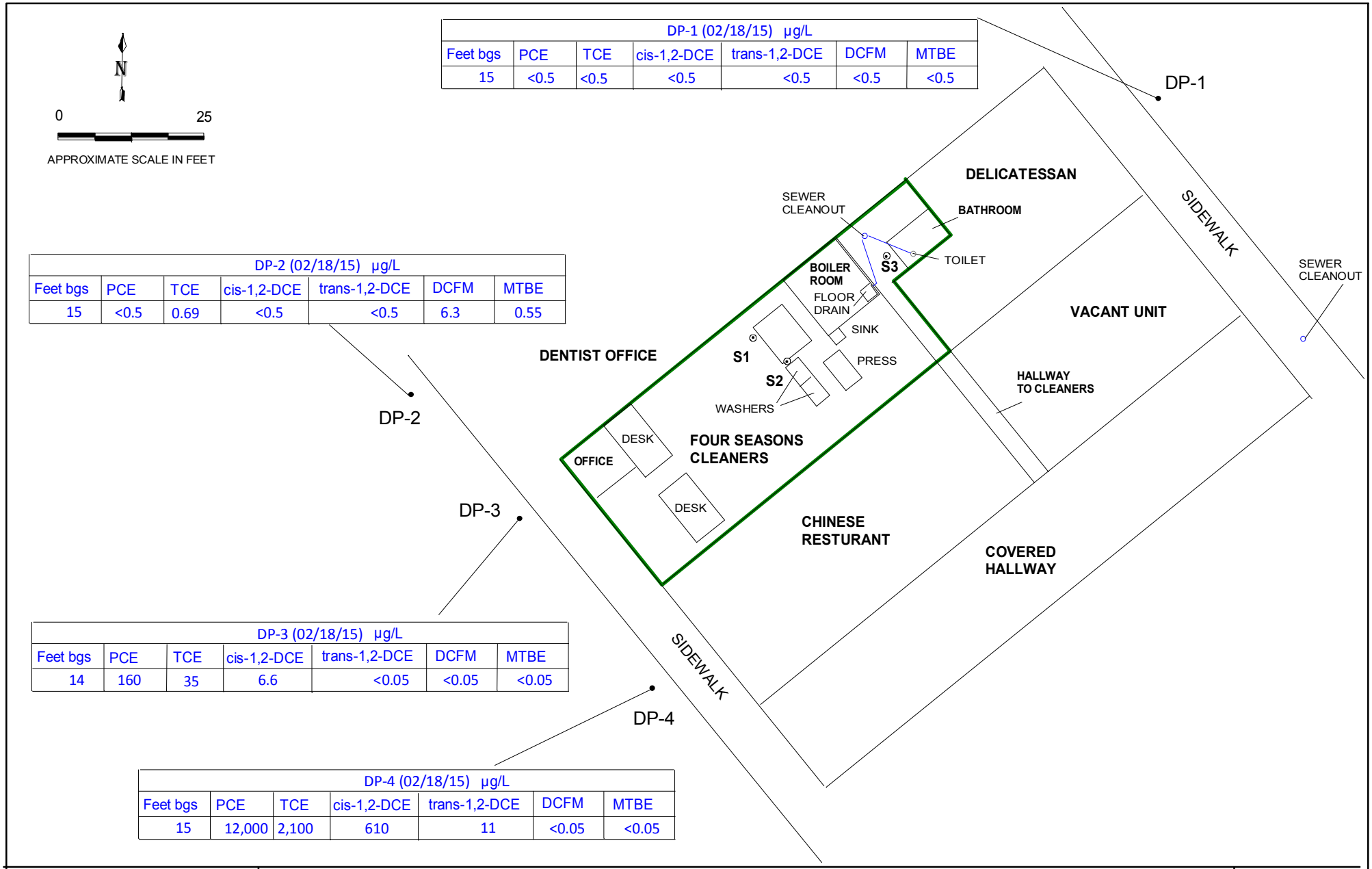
WellTest, Inc.
License No. 843074
P.O. Box 8548
San Jose, CA 95155
Phone (408) 287-2175

GENERALIZED SITE MAP - SHOWING PCE, TCE & cis-1,2-DCE CONCENTRATIONS IN SUBSURFACE SOIL SAMPLES COLLECTED 02/18/15

FOUR SEASONS CLEANERS
13778 DOOLITTLE DRIVE
SAN LEANDRO, CALIFORNIA

FIGURE 6

File: 4401/Figure 6



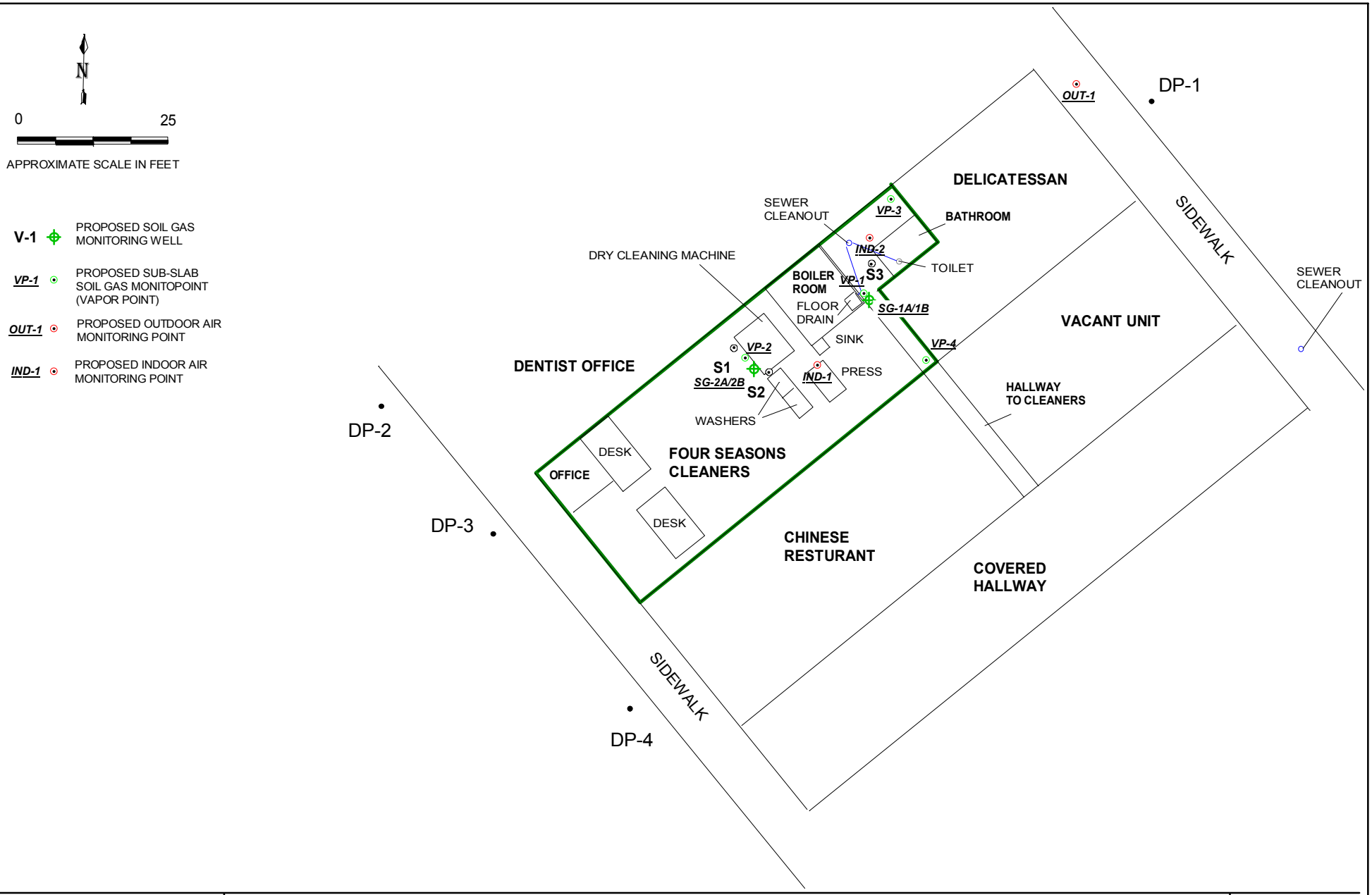
WellTest, Inc.
License No. 843074
P.O. Box 8548
San Jose, CA 95155
Phone (408) 287-2175

GENERALIZED SITE MAP - SHOWING PCE, TCE, cis-1,2-DCE, trans-1,2-DCE DCFM & MTBECONCENTRATIONS IN GROUNDWATER SAMPLES COLLECTED 02/18/15

FOUR SEASONS CLEANERS
13778 DOOLITTLE DRIVE
SAN LEANDRO, CALIFORNIA

FIGURE 7

File: 4401/Figure 7



WellTest, Inc.
License No. 843074
P.O. Box 8548
San Jose, CA 95155
Phone (408) 287-2175

GENERALIZED SITE MAP - SHOWING PROPOSED SOIL GAS AND INDOOR AIR SAMPLING POINTS

FOUR SEASONS CLEANERS
13778 DOOLITTLE DRIVE
SAN LEANDRO, CALIFORNIA

FIGURE 8

File: 4401/Figure 8

ATTACHMENT A

Directive Letter

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Director

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

January 15, 2015

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

Subject: Modified 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 Ms. D'Hondt:

Alameda County Environmental Health (ACEH) staff has reviewed the case file including the *Report of Limited Phase II Soil, Water and Soil Vapor Investigation,* dated September 2, 2014 and the *Soil and Water Investigation Work Plan*, dated December 17, 2014. The Phase II report was prepared by PIERS Environmental Services, Inc. (PIERS) and the work plan was prepared by Well Test, Inc (WTI). Thank you for submitting the reports. The Phase II report documented the installation of three approximately 10.5 foot deep soil bores within the work place of an active dry cleaner facility. The bores collected soil, grab groundwater, and soil vapor from beneath the site. Analytical data document concentrations of tetrachloroethene (PCE) up to 20 milligrams per kilogram (mg/kg) in soil, up to 750 micrograms per liter (µg/l) in groundwater, and up to 4,500,000 µg/m^3 in soil vapor. Concentrations of trichloroethene (TCE) were documented up to 51 µg/l in groundwater, and 92,000 µg/m^3 in soil vapor. A concentration of cis-1,2-Dichloroethene (cis-1,2-DCE) of 7.6 µg/l was additionally detected in groundwater beneath the site. Each of these concentrations exceed regulatory levels of concern.

The work plan proposed the installation of up to eight soil bores to an estimated depth of 10 to 12 feet in order to characterize soil and groundwater in the presumed downgradient direction to the west, and to additionally characterize the presumed upgradient extent of contamination.

Based on ACEH 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 72-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 ACEH is in general agreement of undertaking; however, ACEH requests several modifications to the approach. Please submit a report by the date specified below.

    a. **Soil Sample Selection Protocols –** The work plan proposes to collect and retain for laboratory analysis one soil sample from each soil bore. To preclude miscommunications, ACEH requests the analysis of additional soil bores based on significant changes in lithology and indications of contamination such as photoionization detections, odor, discoloration, and etc. This is intended to quickly define the local vicinity site stratigraphy, soil characteristics, and water bearing zone.

b. **Data Reporting –** ACEH is in general agreement with the items to be included in the final report; however, requests that tabulated non-detectable data list the actual detection limit achieved (for example <0.005 rather than "ND"). This allows quicker reviews of the data and easily communicates the level of concern to be placed on a particular data set.

c. **Dry Cleaner Site Plan –** Figure 3 of the PIERS Phase II report included some detail of the internal layout of the dry cleaner site. ACEH requests additional site layout details in future figures, including the presence of other dry cleaning machines, use areas, including former use areas if known, spent solvent storage areas, solvent filter drain areas, the location of the former solvent delivery area (front or rear), the location of concrete patches or trenches, bolts cut off at the concrete surface that indicate former machine locations, sumps, floor drains, and other features that will identify critical areas for investigation. The intent of this request is to quickly help focus future assessment locations and to help minimize expenses.

d. **Utility Conduit Locations –** An additional area of concern is the location and depth of subsurface utilities beneath the site, including utility lateral locations that service restrooms within the subject commercial suite (and immediately adjacent suites), the degree of interconnection between the restroom utilities, sinks, sumps, drains, etc. ACEH requests that preliminary layouts be included in site figures to be included in the requested report, but recognizes that additional effort is likely to be required to determine this information in detail and precision.

2. **GeoTracker Compliance** – The case has been recently entered on to the Geotracker website and in order to submit documents to Geotracker will require that the site be claimed by the Responsible Party. Because this is a state requirement, ACEH requests that the site be claimed and site reports be uploaded to the site by the date identified below.

   Per California Code of Regulations, Title 23, Division 3, Chapter 16, Article 12, Sections 2729 and 2729.1, beginning September 1, 2001, all analytical data, including monitoring well samples, submitted in a report to a regulatory agency as part of the UST or LUST program, must be transmitted electronically to the SWRCB GeoTracker system via the internet. Also, beginning January 1, 2002, all permanent monitoring points utilized to collect groundwater samples (i.e. monitoring wells) and submitted in a report to a regulatory agency, must be surveyed (top of casing) to mean sea level and latitude and longitude to sub-meter accuracy using NAD 83. A California licensed surveyor may be required to perform this work. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs, including SLIC programs. Additionally, pursuant to California Code of Regulations, Title 23, Division 3, Chapter 30, Articles 1 and 2, Sections 3893, 3894, and 3895, beginning July 1, 2005, the successful submittal of electronic information (i.e. report in PDF format) shall replace the requirement for the submittal of a paper copy. Please claim your site and upload all future submittals to GeoTracker and ACEH's ftp server by the date specified below. Electronic reporting is described below on the attachments.

   Additional information regarding the SWRCB's GeoTracker website may be obtained online at http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/ and http://www.swrcb.ca.gov/ust/electronic_submittal/report_rqmts.shtml) or by contacting the GeoTracker Help Desk at geotracker@waterboards.ca.gov or (866) 480-1028.

3. **Work Plan Request –** Concurrent with the proposed scope of work initiating the delineation of the downgradient extent of soil and groundwater contamination, ACEH additionally requests a work plan to assess soil vapor and indoor air at the subject site. Consistent with Department of Toxic Substance Control (DTSC) guidance, this must include permanent soil vapor wells, but may include temporary vapor points for contaminant delineation, and sub-slab vapor wells. Due to the detection of TCE in groundwater and soil vapor ACEH requests the collection of indoor air quality samples in conjunction with additional soil vapor sampling and sub-slab sampling, initially in the subject suite. Please ensure that the vapor intrusion assessment and work plan is in compliance with the DTSC *Active Soil Gas Investigation Advisory* (April 2012). Please also ensure the work plan is in

conformance with the Draft October 16, 2014 San Francisco Regional Water Quality Control Board's (RWQCB) *Interim Framework for Assessment of Vapor Intrusion at TCE-Contaminated Sites in the San Francisco Bay Region*. Finally, please be aware of DTSC Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note #5, dated August 21, 2014, that details DTSC concurrence with recent USEPA Region 9 Accelerated and Urgent Response action levels for TCE in indoor air in residential and commercial situations. Please submit a work plan by the date identified below.

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACEH 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 6, 2015 –** Claim Geotracker Site and Upload Documents (please notify by email)
- **March 6, 2015 –** Vapor Assessment Work Plan
  File to be named: RO3155_WP_R_yyyy-mm-dd
- **March 6, 2015 –** Soil and Groundwater Investigation (can be combined with work plan above)
  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 E. Detterman
DN: cn=Mark E. Detterman, o, ou, email, c=US
Date: 2015.01.15 10:26:23 -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: Ernie Lee, Marina Faire Shopping Center, 3271 S. Highland Dr; Suite 704, Las Vegas, NV 89109 (Sent via E-mail to: ernestlee@gmail.com)

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

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

Attachment 1

Responsible Party(ies) Legal Requirements / Obligations

REPORT REQUESTS

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.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	**REVISION DATE:** May 15, 2014
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010, July 25, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- **Please do not submit reports as attachments to electronic mail.**
- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection**.
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document**. Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted**.
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

  RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Submission Instructions

1) Obtain User Name and Password
   a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
      i) Send an e-mail to deh.loptoxic@acgov.org
   b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for**.

2) Upload Files to the ftp Site
   a) Using Internet Explorer (IE4+), go to ftp://alcoftp1.acgov.org
      (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
   b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
   c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
   d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
   e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to deh.loptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
   d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

ATTACHMENT B

ACPWA Drilling Permit

Alameda County Public Works Agency - Water Resources Well Permit

Public Works Agency
Alameda County

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 02/10/2015 By jamesy

Permit Numbers: W2015-0130
Permits Valid from 02/18/2015 to 02/18/2015

Application Id: 1423535250669 **City of Project Site:** San Leandro
Site Location: 13778 Doolittle Avenue-
Marina Square Shopping Center - Four Seasons Cleaners
San Leandro, CA
Project Start Date: 02/18/2015 **Completion Date:** 02/18/2015
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

Applicant: WellTest, Inc. - Bill Dugan **Phone:** 408-287-2175
1180 Delmas Avenue, San Jose, CA 95125
Property Owner: Ernie Lee **Phone:** 702-369-9595
3271 S. Highland Drive, Cuite #704, Las Vegas, NV 89109
Client: ** same as Property Owner **
Contact: Bill Dugan **Phone:** 408-287-2175
Cell: 408-460-1884

Total Due: $265.00
Receipt Number: WR2015-0065 **Total Amount Paid:** $265.00
Payer Name : William R Dugan Paid By: VISA **PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 8 Boreholes
Driller: WellTest, Inc. - Lic #: 843074 - Method: DP **Work Total: $265.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2015-0130	02/10/2015	05/19/2015	8	2.00 in.	16.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

5. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled,

properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

7. NOTE:
Under California laws, the owner/operator are responsible for reporting the contamination to the governmental regulatory agencies under Section 25295(a). The owner/operator is liable for civil penalties under Section 25299(a)(4) and criminal penalties under Section 25299(d) for failure to report a leak. The owner/operator is liable for civil penalties under Section 25299(b)(4) for knowing failure to ensure compliance with the law by the operator. These penalty provisions do not apply to a potential buyer.

8. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

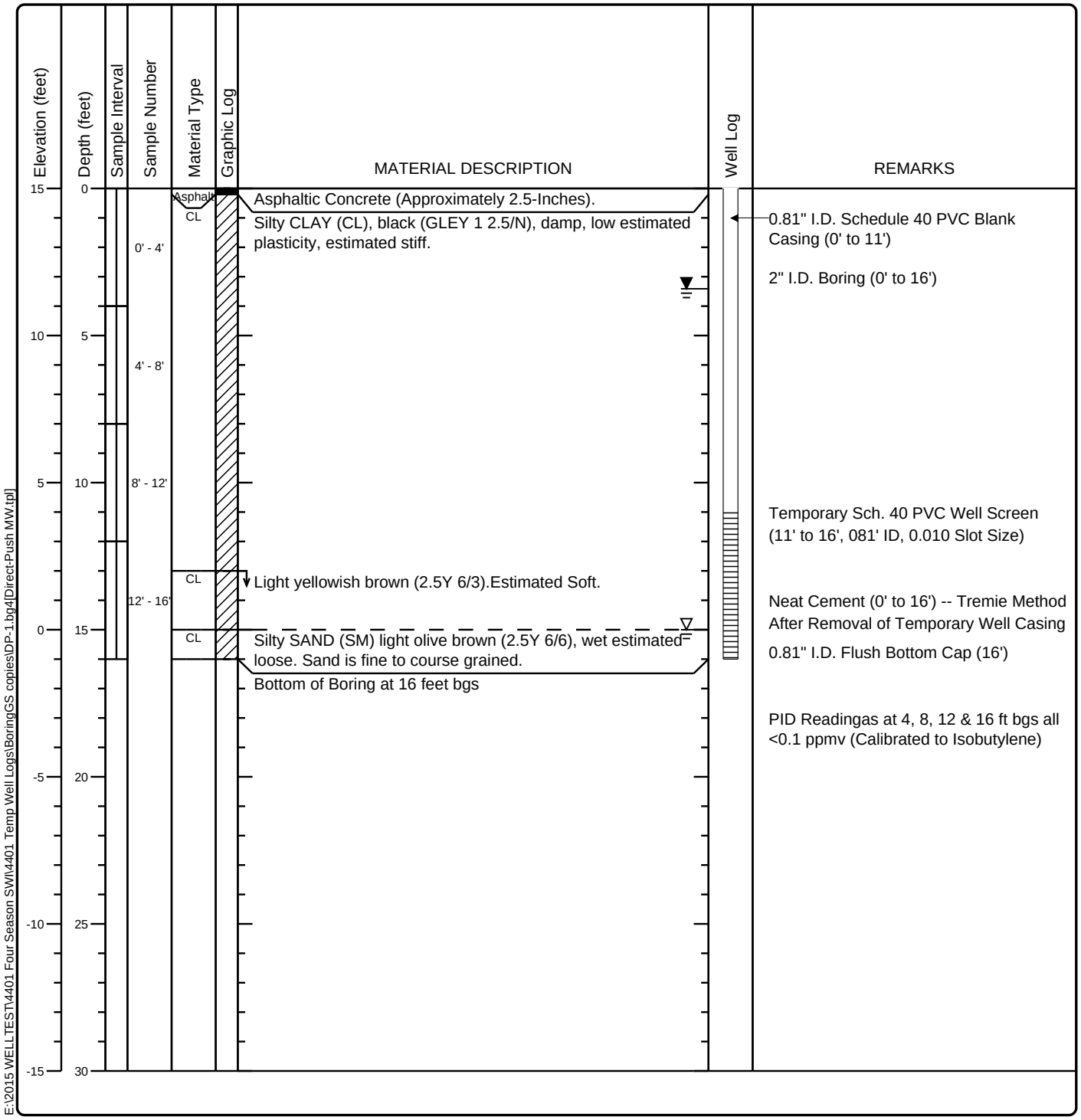
9. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

ATTACHMENT C

Boring Logs

Project: **Four Seasons Cleaners** Project Location: **13778 Doolittle Drive, San Leandro, CA** Project Number: **WellTest, Inc. Job #4401**	Log of Boring DP-1 **Sheet 1 of 1**

Date(s) Drilled **February 18, 215**	Logged By **Forrest Cook, P.G.**	Checked By **Bill Dugan, P.G.**
Drilling Method **Direct-Push**	Drill Bit Size/Type **2" Dia. Macro-Core**	Total Depth of Borehole **16 feet bgs**
Drill Rig Type **GeoProbe 540UD**	Drilling Contractor **WellTest, Inc. (Lic. #843074)**	Approximate Surface Elevation **15 feet USGS Quad**
Groundwater Level and Date Measured **15 feet ATD, 3.4 feet after 10 minutes**	Sampling Method(s) **2" Diameter Macro-Core**	Hammer Data **G42**
Borehole Backfill **Neat Cement Backfill**	Location **See WTI Report #4401 (Figure 2)**	

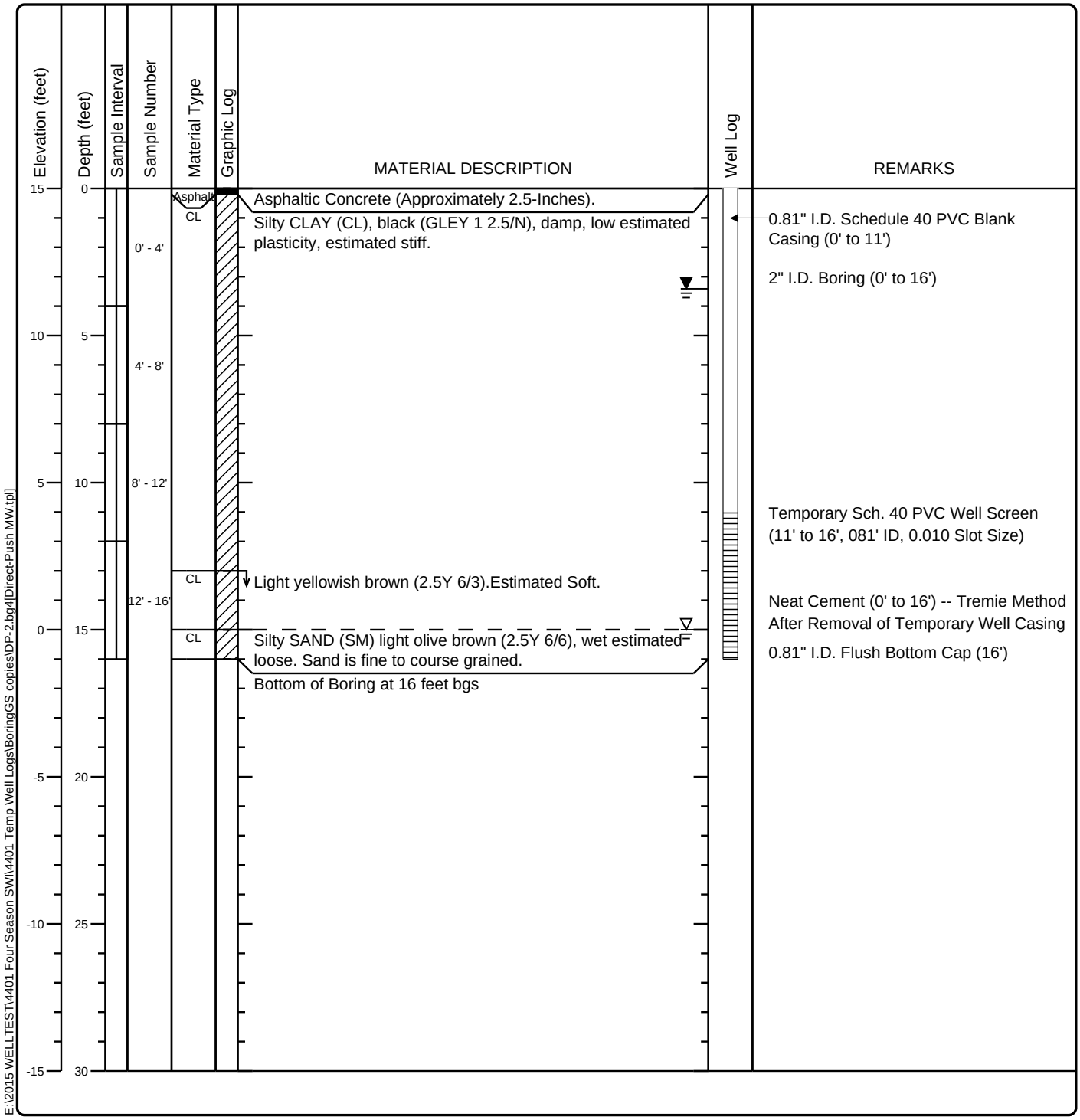


E:\2015 WELLTEST\4401 Four Season SW\4401 Temp Well Logs\BoringGS copies\DP-1.bg4[Direct-Push MW.tpl]

Figure DP-1

Project: **Four Seasons Cleaners** Project Location: **13778 Doolittle Drive, San Leandro, CA** Project Number: **WellTest, Inc. Job #4401**	Log of Boring DP-2 **Sheet 1 of 1**

Date(s) Drilled **February 18, 215**	Logged By **Forrest Cook, P.G.**	Checked By **Bill Dugan, P.G.**
Drilling Method **Direct-Push**	Drill Bit Size/Type **2" Dia. Macro-core 2.125" Dia. Macro-Core to 17'**	Total Depth of Borehole **16 feet bgs**
Drill Rig Type **GeoProbe 540UD**	Drilling Contractor **WellTest, Inc. (Lic. #843074)**	Approximate Surface Elevation **15 feet USGS Quad**
Groundwater Level and Date Measured **15 feet ATD, 3.4 feet after 10 minutes**	Sampling Method(s) **2" Diameter Macro-Core**	Hammer Data **G42**
Borehole Backfill **Neat Cement Backfill**	Location **See WTI Report #4401 (Figure 2)**	

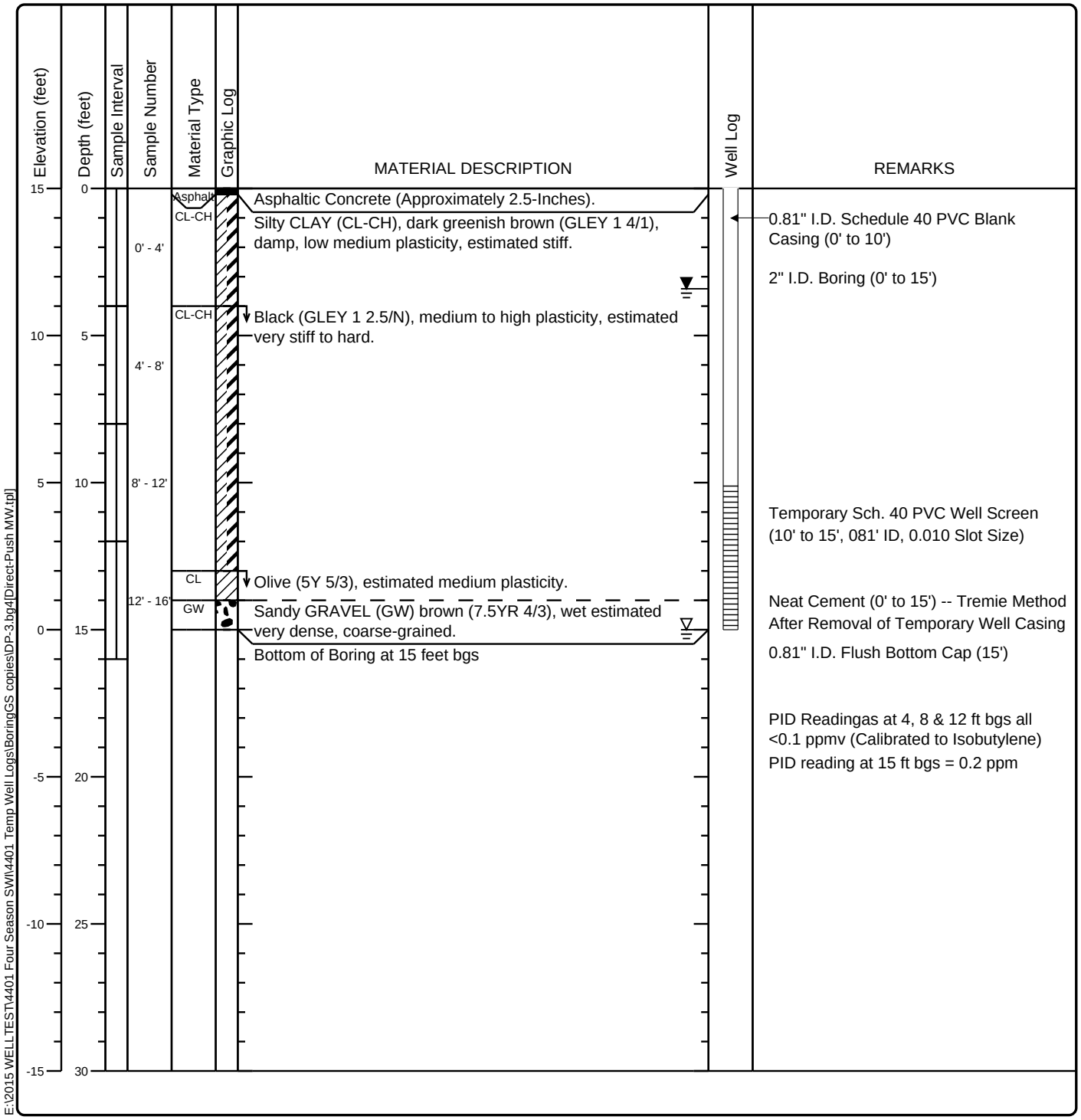


E:\2015 WELLTEST\4401 Four Season SW\4401 Temp Well Logs\BoringGS copies\DP-2.bg4[Direct-Push MW.tpl]

Figure DP-2

Project: **Four Seasons Cleaners** Project Location: **13778 Doolittle Drive, San Leandro, CA** Project Number: **WellTest, Inc. Job #4401**	Log of Boring DP-3 **Sheet 1 of 1**

Date(s) Drilled **February 18, 215**	Logged By **Forrest Cook, P.G.**	Checked By **Bill Dugan, P.G.**
Drilling Method **Direct-Push**	Drill Bit Size/Type **2" Dia. Macro-Core**	Total Depth of Borehole **15 feet bgs**
Drill Rig Type **GeoProbe 540UD**	Drilling Contractor **WellTest, Inc. (Lic. #843074)**	Approximate Surface Elevation **15 feet USGS Quad**
Groundwater Level and Date Measured **15 feet ATD, 3.4 feet after 10 minutes**	Sampling Method(s) **2" Diameter Macro-Core**	Hammer Data **G42**
Borehole Backfill **Neat Cement Backfill**	Location **See WTI Report #4401 (Figure 2)**	

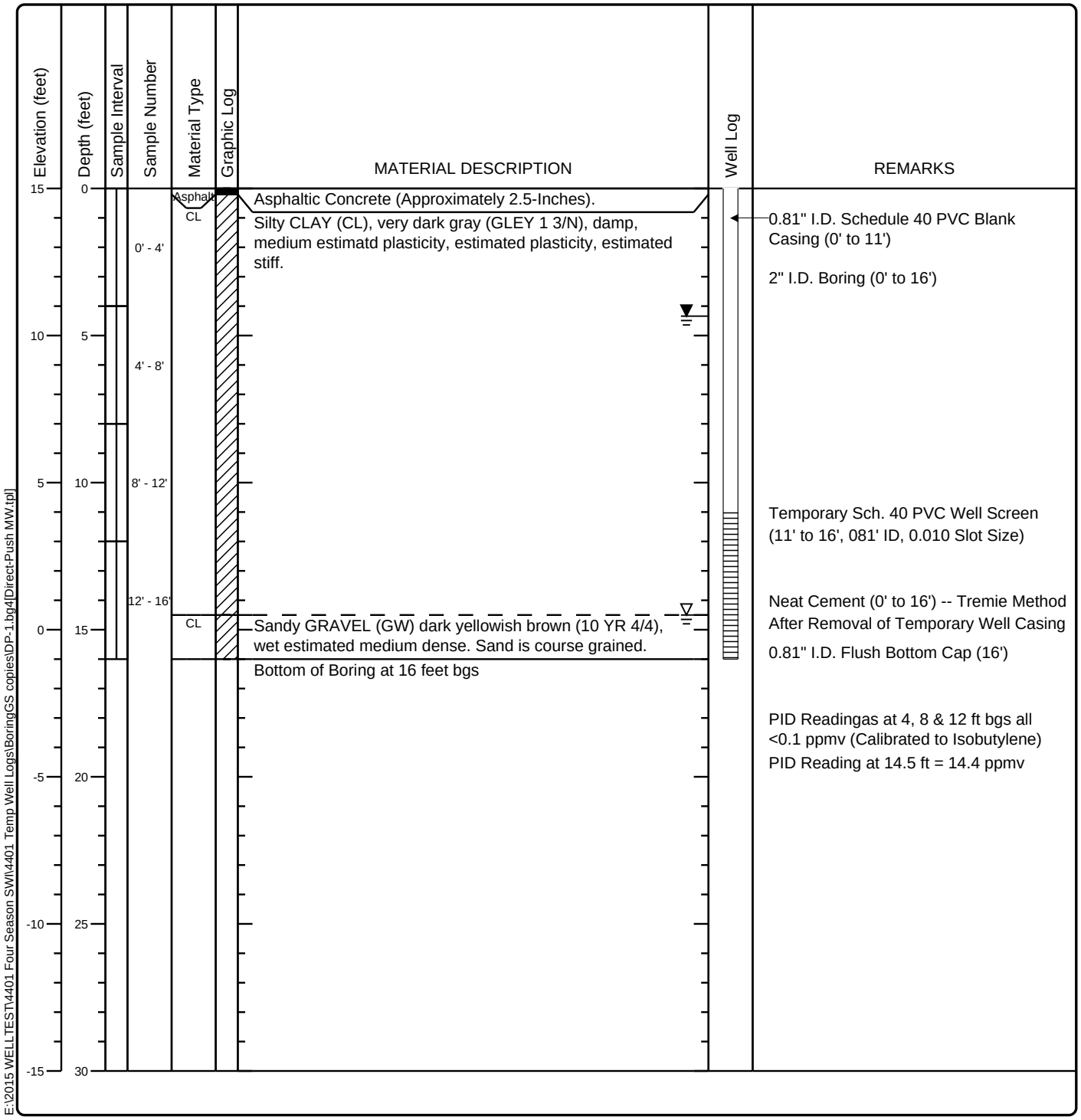


E:\2015 WELLTEST\4401 Four Season SW\4401 Temp Well Logs\BoringGS copies\DP-3.bg4[Direct-Push MW.tpl]

Figure DP-3

Project: **Four Seasons Cleaners** Project Location: **13778 Doolittle Drive, San Leandro, CA** Project Number: **WellTest, Inc. Job #4401**	Log of Boring DP-4 **Sheet 1 of 1**

Date(s) Drilled **February 18, 215**	Logged By **Forrest Cook, P.G.**	Checked By **Bill Dugan, P.G.**
Drilling Method **Direct-Push**	Drill Bit Size/Type **2" Dia. Macro-Core**	Total Depth of Borehole **16 feet bgs**
Drill Rig Type **GeoProbe 540UD**	Drilling Contractor **WellTest, Inc. (Lic. #843074)**	Approximate Surface Elevation **15 feet USGS Quad**
Groundwater Level and Date Measured **14.5 feet ATD, 4.3 feet after 10 minutes**	Sampling Method(s) **2" Diameter Macro-Core**	Hammer Data **G42**
Borehole Backfill **Neat Cement Backfill**	Location **See WTI Report #4401 (Figure 2)**	

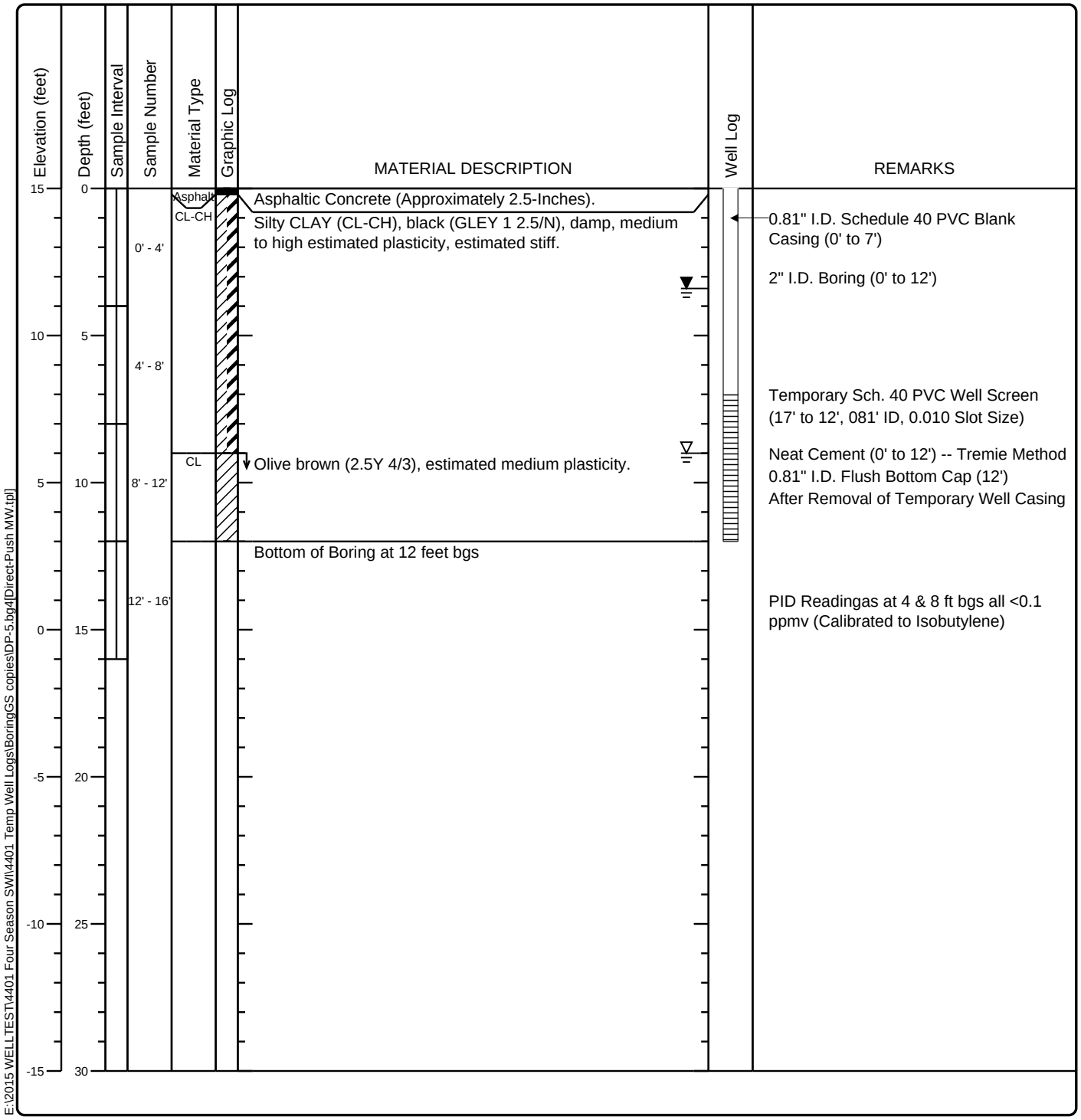


E:\2015 WELLTEST\4401 Four Season SW\4401 Temp Well Logs\BoringGS copies\DP-1.bg4[Direct-Push MW.tpl]

Figure DP-4

Project: **Four Seasons Cleaners** Project Location: **13778 Doolittle Drive, San Leandro, CA** Project Number: **WellTest, Inc. Job #4401**	Log of Boring DP-5 **Sheet 1 of 1**

Date(s) Drilled **February 18, 215**	Logged By **Forrest Cook, P.G.**	Checked By **Bill Dugan, P.G.**
Drilling Method **Direct-Push**	Drill Bit Size/Type **2" Dia. Macro-Core**	Total Depth of Borehole **12 feet bgs**
Drill Rig Type **GeoProbe 540UD**	Drilling Contractor **WellTest, Inc. (Lic. #843074)**	Approximate Surface Elevation **15 feet USGS Quad**
Groundwater Level and Date Measured **9 feet ATD, 3.4 feet after 10 minutes**	Sampling Method(s) **2" Diameter Macro-Core**	Hammer Data **G42**
Borehole Backfill **Neat Cement Backfill**	Location **See WTI Report #4401 (Figure 2)**	

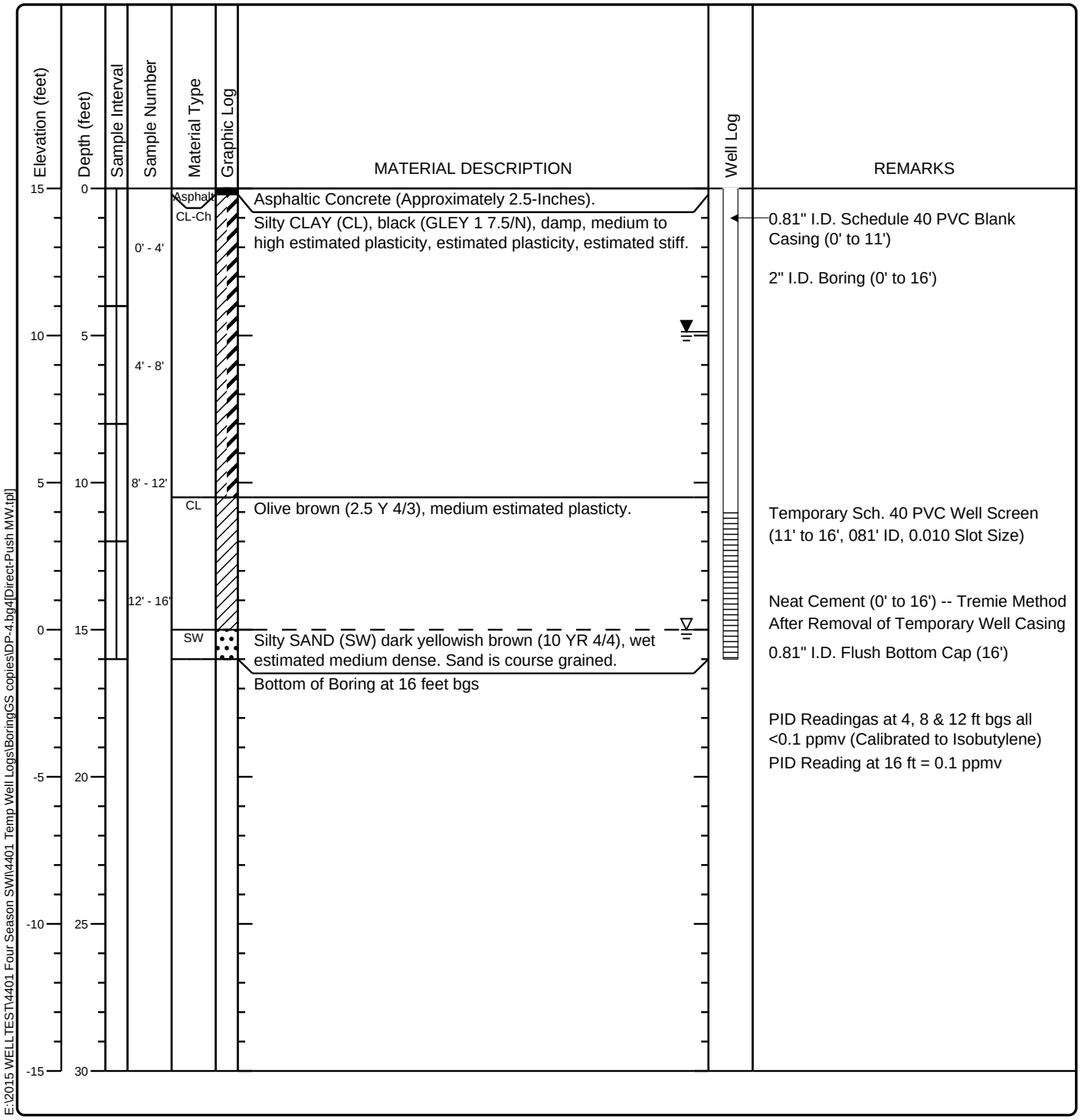


E:\2015 WELLTEST\4401 Four Season SW\4401 Temp Well Logs\BoringGS copies\DP-5.bg4[Direct-Push MW.tpl]

Figure DP-5

Project: **Four Seasons Cleaners** Project Location: **13778 Doolittle Drive, San Leandro, CA** Project Number: **WellTest, Inc. Job #4401**	Log of Boring DP-6 **Sheet 1 of 1**

Date(s) Drilled **February 18, 215**	Logged By **Forrest Cook, P.G.**	Checked By **Bill Dugan, P.G.**
Drilling Method **Direct-Push**	Drill Bit Size/Type **2" Dia. Macro-Core**	Total Depth of Borehole **16 feet bgs**
Drill Rig Type **GeoProbe 540UD**	Drilling Contractor **WellTest, Inc. (Lic. #843074)**	Approximate Surface Elevation **15 feet USGS Quad**
Groundwater Level and Date Measured **15 feet ATD, 4.9 feet after 10 minutes**	Sampling Method(s) **2" Diameter Macro-Core**	Hammer Data **G42**
Borehole Backfill **Neat Cement Backfill**	Location **See WTI Report #4401 (Figure 2)**	

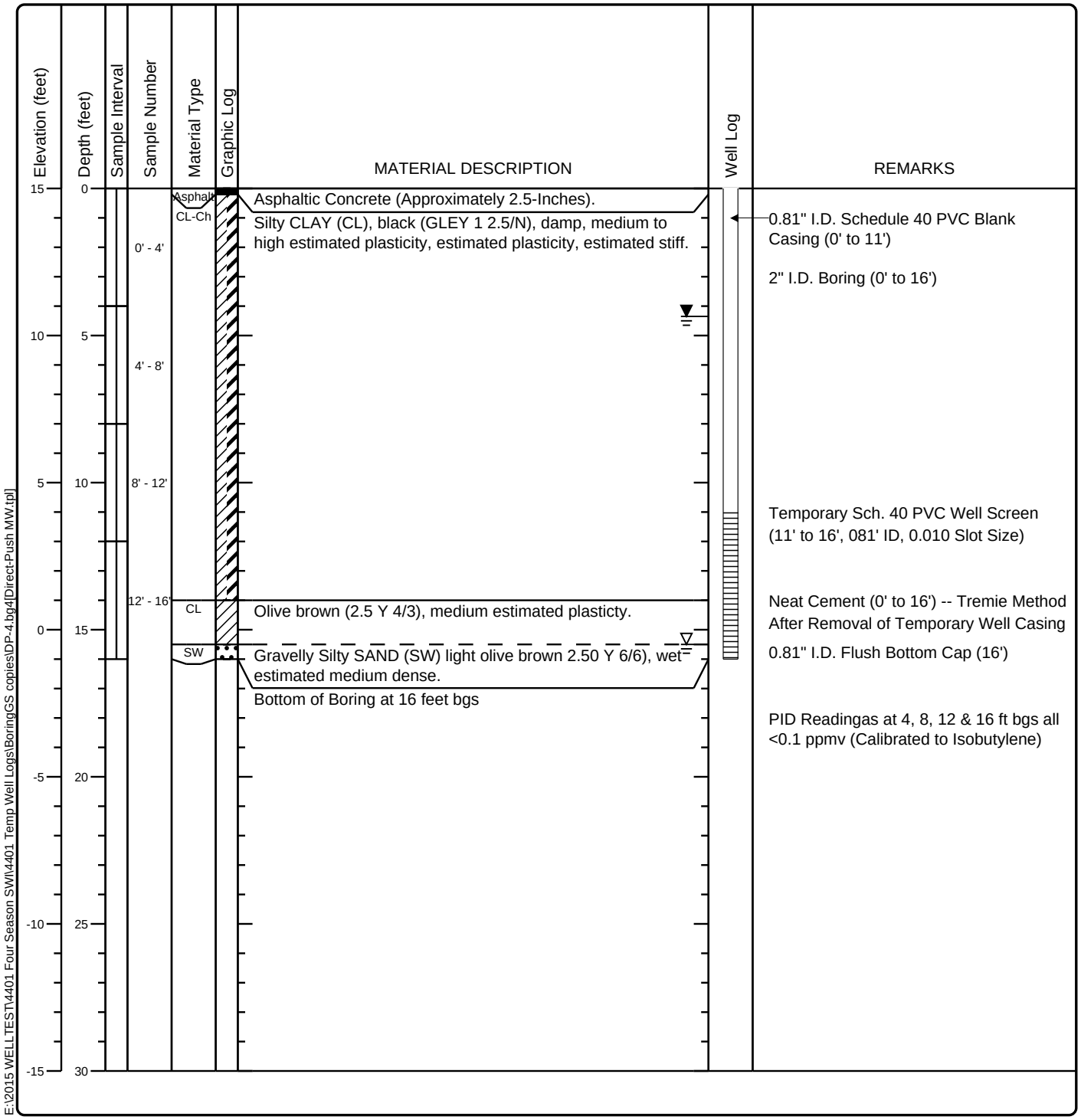


E:\2015 WELLTEST\4401 Four Season SW\4401 Temp Well Logs\BoringGS copies\DP-4.bg4[Direct-Push MW.tpl]

Figure DP-6

Project: **Four Seasons Cleaners** Project Location: **13778 Doolittle Drive, San Leandro, CA** Project Number: **WellTest, Inc. Job #4401**	Log of Boring DP-7 **Sheet 1 of 1**

Date(s) Drilled **February 18, 215**	Logged By **Forrest Cook, P.G.**	Checked By **Bill Dugan, P.G.**
Drilling Method **Direct-Push**	Drill Bit Size/Type **2" Dia. Macro-Core**	Total Depth of Borehole **16 feet bgs**
Drill Rig Type **GeoProbe 540UD**	Drilling Contractor **WellTest, Inc. (Lic. #843074)**	Approximate Surface Elevation **15 feet USGS Quad**
Groundwater Level and Date Measured **15.5 feet ATD, 4.3 feet after 10 minutes**	Sampling Method(s) **2" Diameter Macro-Core**	Hammer Data **G42**
Borehole Backfill **Neat Cement Backfill**	Location **See WTI Report #4401 (Figure 2)**	

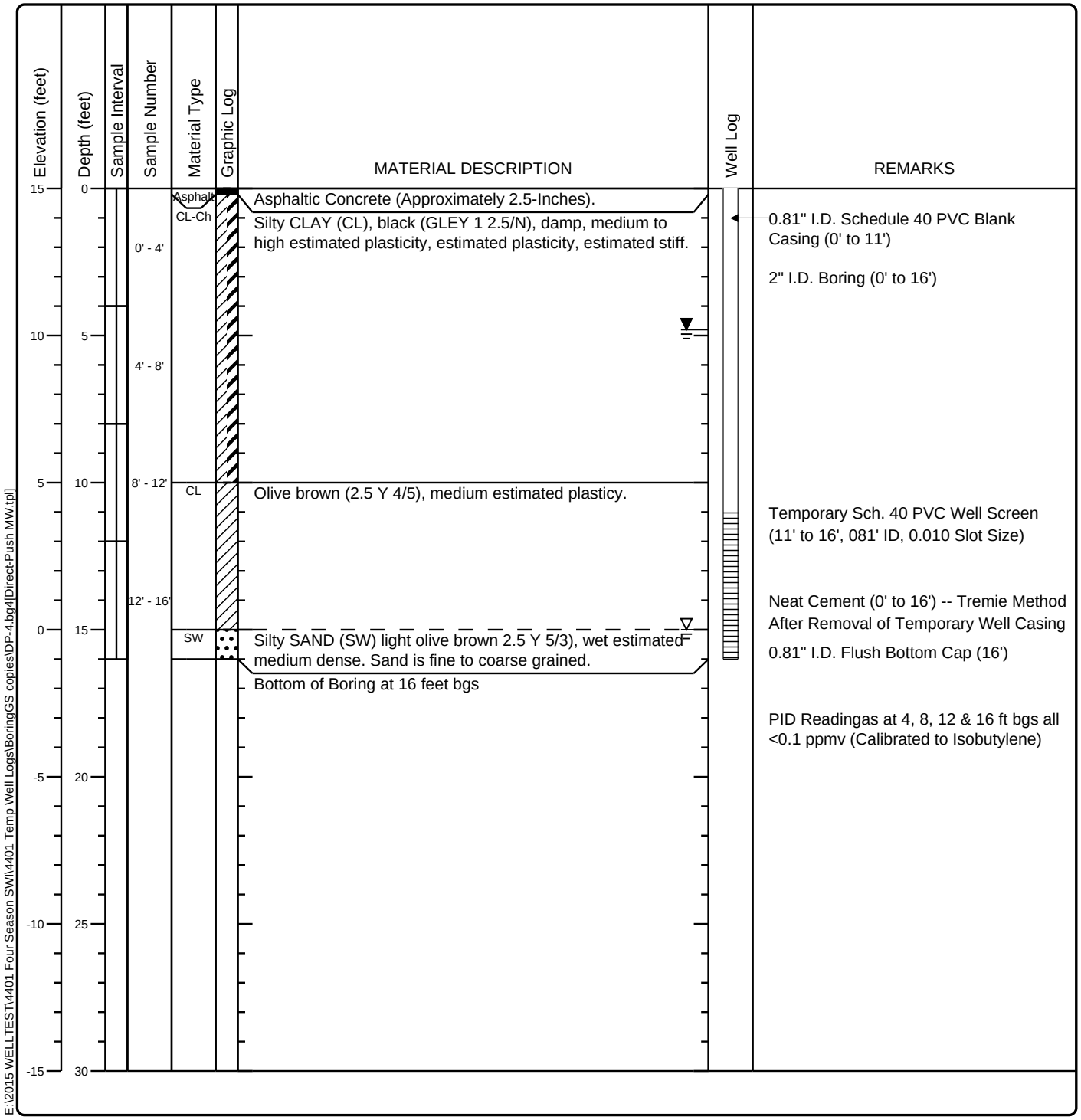


E:\2015 WELLTEST\4401 Four Season SW\4401 Temp Well Logs\BoringGS copies\DP-4.bg4[Direct-Push MW.tpl]

Figure DP-7

Project: **Four Seasons Cleaners** Project Location: **13778 Doolittle Drive, San Leandro, CA** Project Number: **WellTest, Inc. Job #4401**	Log of Boring DP-8 **Sheet 1 of 1**

Date(s) Drilled **February 18, 215**	Logged By **Forrest Cook, P.G.**	Checked By **Bill Dugan, P.G.**
Drilling Method **Direct-Push**	Drill Bit Size/Type **2" Dia. Macro-Core**	Total Depth of Borehole **16 feet bgs**
Drill Rig Type **GeoProbe 540UD**	Drilling Contractor **WellTest, Inc. (Lic. #843074)**	Approximate Surface Elevation **15 feet USGS Quad**
Groundwater Level and Date Measured **15 feet ATD, 4.8 feet after 10 minutes**	Sampling Method(s) **2" Diameter Macro-Core**	Hammer Data **G42**
Borehole Backfill **Neat Cement Backfill**	Location **See WTI Report #4401 (Figure 2)**	



E:\2015 WELLTEST\4401 Four Season SW\4401 Temp Well Logs\BoringGS copies\DP-4.bg4[Direct-Push MW.tpl]

Figure DP-8

Project: **Four Seasons Cleaners**
Project Location: **13778 Doolittle Drive, San Leandro, CA**
Project Number: **WellTest, Inc. Job #4401**

Key to Log of Boring
Sheet 1 of 1

Elevation (feet)	Depth (feet)	Sample Interval	Sample Number	Material Type	Graphic Log	MATERIAL DESCRIPTION	Well Log	REMARKS
1	2	3	4	5	6	7	8	9

COLUMN DESCRIPTIONS

1 Elevation (feet): Elevation (MSL, feet).
2 Depth (feet): Depth in feet below the ground surface.
3 Sample Interval: Type of soil sample collected at the depth interval shown.
4 Sample Number: Sample identification number.
5 Material Type: Type of material encountered.
6 Graphic Log: Graphic depiction of the subsurface material encountered.
7 MATERIAL DESCRIPTION: Description of material encountered. May include consistency, moisture, color, and other descriptive text.
8 Well Log: Graphical representation of well installed upon completion of drilling and sampling.
9 REMARKS: Comments and observations regarding drilling or sampling made by driller or field personnel.

FIELD AND LABORATORY TEST ABBREVIATIONS

CHEM: Chemical tests to assess corrosivity
COMP: Compaction test
CONS: One-dimensional consolidation test
LL: Liquid Limit, percent
PI: Plasticity Index, percent
SA: Sieve analysis (percent passing No. 200 Sieve)
UC: Unconfined compressive strength test, Qu, in ksf
WA: Wash sieve (percent passing No. 200 Sieve)

MATERIAL GRAPHIC SYMBOLS

Asphaltic Concrete (AC)
Lean CLAY, CLAY w/SAND, SANDY CLAY (CL)
Lean-Fat CLAY, CLAY w/SAND, SANDY CLAY (CL-CH)
Well graded SAND (SW)

TYPICAL SAMPLER GRAPHIC SYMBOLS

Auger sampler
Bulk Sample
3-inch-OD California w/ brass rings
CME Sampler
Grab Sample
2.5-inch-OD Modified California w/ brass liners
Pitcher Sample
2-inch-OD unlined split spoon (SPT)
Shelby Tube (Thin-walled, fixed head)

OTHER GRAPHIC SYMBOLS

Water level (at time of drilling, ATD)
Water level (after waiting)
Minor change in material properties within a stratum
Inferred/gradational contact between strata
Queried contact between strata

GENERAL NOTES

1: Soil classifications are based on the Unified Soil Classification System. Descriptions and stratum lines are interpretive, and actual lithologic changes may be gradual. Field descriptions may have been modified to reflect results of lab tests.
2: Descriptions on these logs apply only at the specific boring locations and at the time the borings were advanced. They are not warranted to be representative of subsurface conditions at other locations or times.

E:\2015 WELLTEST\4401 Four Season SW\4401 Temp Well Logs\BoringGS copies\DP-4.bg4[Direct-Push MW.tpl]

Figure B-1

ATTACHMENT D

Field Methods

ATTACHMENT D-1
Direct-Push Drilling, Sampling and Borehole Sealing Procedures
13778 Doolittle Drive, San Leandro, California

Sampling – Soil

A Geoprobe 5400 rig (or equivalent) was used to direct-push (hammer) the proposed temporary borings. A summary of the tooling (or equivalent tooling) and sampling methods can be obtained at the following website: http://www.geoprobe.com/products/tools/soil_sampling/dt22desc.htm

Sampling – Groundwater (Small Diameter Wells)

PVC casing was installed within the outer drive rods, or within open boreholes installed with a Macro-Core system. Groundwater samples were collected from within the ¾-inch diameter temporary well using the following protocol:

- Before purging, the water level within the well was allowed to stabilize, and then water levels were measured with an electronic interface tape.

- To prevent potential cross-contamination between wells, all measuring, purging, and sampling equipment was washed in an Alconox® detergent solution, rinsed with tap water, and then rinsed with distilled water.

- A Micro Flow System foot-valve system attached to single-use 3/8-inch O.D. polyethylene tubing was used to purge each cased-boring. The foot-valve can deliver a sample from as deep as 75 feet and flow rates with this system are usually less than 1/2 gallon per minute.

- The temporary wells were purged until approximately three well volumes of water have been removed or when these parameters have stabilized. The samples were labeled and placed in a refrigerated chest. Chain-of-custody documents and a travel blank will accompany the samples to the laboratory.

- Samples were collected with either a clean disposable bailer or with the foot-valve system.

- Samples were transported to the laboratory were analyzed within the specified holding time.

- Water samples were placed into laboratory-supplied, properly-preserved containers. The amount of sample collected will be pre-approved the contract laboratory and were appropriate for the analysis being requested. All samples were labeled and placed in a refrigerated cooler and accompanied by the chain-of-custody document. Samples transported to the laboratory were analyzed within the specified analytical test holding time.

ATTACHMENT D-2
Soil Gas Monitoring Probe/Well
Installation and Sampling Procedures
13778 Doolittle Drive, San Leandro, CA

Soil Gas Sampling Point Installation (Semi-Permanent Soil Gas Monitoring Wells)

Each soil-core sampling pilot hole will be advanced with a two-inch diameter hand auger to enable placement of a soil gas sampling point. Once the boring is enlarged to the target depth (8.5 ft-bgs), WELLTEST will install an Environmental Service Products polyethylene soil vapor implant near the base of the boring. The polyethylene implants are a one-piece molded assembly made of high-density porous polyethylene. The filtration rating is 40-60 microns with a maximum temperature of 150 degrees Fahrenheit. Each implant is fitted with a "Speedfit" push-in brass fitting with a nickel-plated finish that accommodates 1/4" OD tubing. The size of each polyethylene implant is 1/2" OD x 1-7/8"in length. Teflon tubing (0.17" ID x 1/4" OD) is then attached to each implant and extends to the ground surface. A one-foot layer of #2/12 or #2/16 filter sand is then placed at the base of the boring. A six-inch layer of dry granular 8-mesh bentonite (BENSEAL®) is then placed on top of the sand filter pack. Next, approximately 12-inches of dry granular bentonite will be placed above the sand pack, followed by a hydrated bentonite seal to 5.0 feet bgs. A second ¼-inch diameter Teflon® tubing attached to a polyethylene vapor implant will be placed in the boring to a total depth of 4.0 feet bgs. A second sand pack of #2/12 sand will then installed around the implant from 4.5 to 3.5 feet bgs. Finally, approximately 12-inches of dry granular bentonite will be placed above the sand pack, followed by a hydrated bentonite seal to the ground surface. The seal is designed to minimize ambient air from the atmosphere from intruding into the area of the polyethylene probe.

Soil Gas Point Sampling Procedures

Soil gas samples will not collected sooner than 72-hours to allow for representative soil gas to accumulate from the formation into the completed well. Samples are collected using a SUMA® canister supplied by the contracted laboratory. Prior to the collection of a sample, the soil gas monitoring well will have at least 3 purge volumes of air (soil gas) removed from the probe and tubing associated with the well, as well as the soil gas from the voids within sand pack at the base of the well and within the dry granular 8-mesh bentonite above the sand pack interval. The well will be purged using a SUMA® canister (purge canister) attached to a flow meter which, in turn is attached to the Teflon tubing of the soil gas well. The well will be purged at a rate between 100 to 200 ml/minute. Once the well is purged, a sample collection SUMA® canister is attached to the Teflon tubing of the well, the initial negative pressure of the canister was measured (and recorded), and soil gas is delivered to the canister from the well until a negative pressure of about five-inches of Hg is noted on the vacuum gauge on the sample collection SUMA® canister. All vacuum readings will be documented on the chain of custody record. Soil gas samples will be kept at ambient temperatures, and are transported to the laboratory under chain of custody record.

Data Quality Assurance – Helium Shroud Leak Test Procedure

Soil Gas sampling will be conducted using the Helium shroud technique described in Appendix C, page 57, of the CA DTSC Soil Gas Advisory Document (March 2010) to ensure a representative soil gas sample is collected. A Helium tracer shroud is used to perform a quantitative leak test while sampling the soil gas wells. A sealed chamber will be placed over the wellhead of the soil gas well. A minimum 20% Helium in air atmosphere will be maintained around the sample train and above the well annulus.

ATTACHMENT E

Laboratory Data Sheets

Date of Report: 02/25/2015

Bill Dugan

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

Client Project:	4401 - Four Seasons Cleaners
BCL Project:	Water/Soil Samples
BCL Work Order:	1504278
Invoice ID:	B196698

Enclosed are the results of analyses for samples received by the laboratory on 2/20/2015. 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, Inc.

Chain of Custody Form

Page 1 of 2

*Required Fields

Report To: Client:* WellTest, Inc.
Attn:* Bill Dugan
Street Address:* PO Box 8548
City:* San Jose State:* CA Zip:* 95155
Phone#:*(408) 460 - 1884 Fax#: ( ) -
Email Address: dugan@welltest.biz
Submission #: 15-04278

Project Description:* Four Seasons Cleaners
13778 Doolittle Ave.
Project Code:* #4401
Sampler (s):* Forrest Cook

Analysis Requested

Billing
Client:* WellTest, Inc.
Attn:* Bill Dugan
Address:* PO Box 8548
City:* San Jose State:* CA Zip:* 95155
Are there any tests with holding times? less than or equal to 48 hours?
☐ Yes ☑ No
*Standard Turnaround = 10

Sample #	Sample Description	Date	Time	Matrix*	VOCs by 8260b	Notes
-1	DP-1	2/18/15	15:40	GW	X	
-2	DP-2	2/18/15	10:05	GW	X	
-3	DP-3	2/18/15	10:20	GW	X	
-4	DP-4	2/18/15	10:10	GW	X	
-5	DP-5	2/18/15	12:10	GW	X	
-6	DP-6	2/18/15	12:30	GW	X	
-7	DP-7	2/18/15	14:45	GW	X	
-8	DP-8	2/18/15	14:35	GW	X	

CHK BY DISTRIBUTION SUB-OUT

Matrix Types: S = Soil SL = Sludge DW = Drinking Water WW = Wastewater GW = Groundwater L = Liquid M = Miscellaneous O = Other

Turnaround # of working days:* ☐ 24 Hr Rush ☐ 48 Hr Rush ☐ 3-5 Day Rush ☑ Normal (10 – Days)

Lab TAT Approval: _____ *Additional Charges May Apply

Comments:

☐ MBU Site
☐ CVX RCRA
☑ Geotracker 5 File (CA Default)
☐ Geotracker 2 File
☐ Other (Specify) _____

Cost Center: _____ Global ID: T10000006425

	Date	Time		Date	Time
1. Relinquished By:	2/19/15	1145	1. Received By: BCL	2/19/15	1945
2. Relinquished By: BCL via o/t	2/19/15	1705	2. Received By:	2/20/15	0915
3. Relinquished By:			3. Received By:		

BC Laboratories, Inc. 4100 Atlas Court – Bakersfield CA 93308 (661) 327 – 4911 Fax: (661) 327 – 1918 www.bclabs.com

BC Laboratories, Inc.

Chain of Custody Form

*Required Fields

Page 2 of 2

Report To: Client:* WellTest, Inc.	Project Description:* Four Seasons Cleaners 13778 Doolittle Ave.
Attn:* Bill Dugan	Project Code:* #4401
Street Address:* PO Box 8548	
City:* San Jose State:* CA Zip:* 95155	Sampler (s):* Forrest Cook
Phone#:*(408) 460 - 1884 Fax#: ( ) -	
Email Address: dugan@welltest.biz	
Submission #: 15-04278	

Billing
Client:* WellTest, Inc.
Attn:* Bill Dugan
Address:* PO Box 8548
City:* San Jose State:* CA Zip:* 95155
Are there any tests with holding times? less than or equal to 48 hours?
☐ Yes ☑ No
*Standard Turnaround = 10

Sample #	Sample Description	Date	Time	Matrix*	Analysis Requested: VOCs by 8260b	Notes
-9	DP-1d15.0	2/18/15	15:40	Soil	✓	
-10	DP-2d14.5	2/18/15	10:05	Soil	✓	
-11	DP-3d14.0	2/18/15	8:30	Soil	✓	
-12	DP-4d14.5	2/18/15	9:15	Soil	✓	
-13	DP-5d8.0	2/18/15	12:10	Soil	✓	
-14	DP-6d15.0	2/18/15	11:55	Soil	✓	
-15	DP-7d15.0	2/18/15	13:30	Soil	✓	
-16	DP-8d15.0	2/18/15	14:30	Soil	✓	

Matrix Types: S = Soil SL = Sludge DW = Drinking Water WW = Wastewater GW = Groundwater L = Liquid M = Miscellaneous O = Other

Turnaround # of working days:* ☐ 24 Hr Rush ☐ 48 Hr Rush ☐ 3-5 Day Rush ☑ Normal (10 – Days)

Lab TAT Approval: _____ *Additional Charges May Apply

Comments:

☐ MBU Site
☐ CVX RCRA
☑ Geotracker 5 File (CA Default)
☐ Geotracker 2 File
☐ Other (Specify) _____

Cost Center: _____ Global ID: T10000006425

	Relinquished By:	Date	Time	Received By:	Date	Time
1.		2/19/15	1145		2/19/15	1145
2.	BCL VIA O/T	2/19/15	1705		2/20/15	0915
3.		Date	Time		Date	Time

BC Laboratories, Inc. 4100 Atlas Court – Bakersfield CA 93308 (661) 327 – 4911 Fax: (661) 327 – 1918 www.bclabs.com

Chain of Custody and Cooler Receipt Form for 1504278 Page 3 of 4

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 18 09/04/14 Page 1 Of 2

Submission #: 15.04278

SHIPPING INFORMATION
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☐ Other ☑ (Specify) ONTrac

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: 0.97 Container: PE Thermometer ID: 208 Date/Time 2-20-15

Temperature: (A) 3.2 °C / (C) 3.0 °C Analyst Init MVB 0915

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A,B,C	A,B,C	A,B,C	A,B,C	A,B,C	A,B,C	A,B,C	A,B,C		
QT EPA 413.1, 413.2, 418.1										
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 Amber EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE									R	A
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
Summa Canister										

Comments:

Sample Numbering Completed By: Date/Time: 2/20/15 1125 [S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC]

Chain of Custody and Cooler Receipt Form for 1504278 Page 4 of 4

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 18 09/04/14 Page 2 of 2

Submission #: 15-04278

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Federal Express ☐ UPS ☐ Hand Delivery ☐ BC Lab Field Service ☐ Other ☑ (Specify) ONTRAC	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: 0.97 Container: PE Thermometer ID: 208

Temperature: (A) 3.2 °C / (C) 3.0 °C

Date/Time 2'20'15

Analyst Init MVB 0915

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1										
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 Amber EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE	A	A	A	A	A	A				
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
Summa Canister										

Comments:

Sample Numbering Completed By: Date/Time: 2/20/15 1120 (S:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMREC)

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

Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1504278-01	**COC Number:**	---	**Receive Date:**	02/20/2015 09:15
	Project Number:	Four Seasons Cleaners	**Sampling Date:**	02/18/2015 15:40
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	DP-1	**Lab Matrix:**	Water
	Sampled By:	F. Cook of WTI	**Sample Type:**	Groundwater
1504278-02	**COC Number:**	---	**Receive Date:**	02/20/2015 09:15
	Project Number:	Four Seasons Cleaners	**Sampling Date:**	02/18/2015 10:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	DP-2	**Lab Matrix:**	Water
	Sampled By:	F. Cook of WTI	**Sample Type:**	Groundwater
1504278-03	**COC Number:**	---	**Receive Date:**	02/20/2015 09:15
	Project Number:	Four Seasons Cleaners	**Sampling Date:**	02/18/2015 10:20
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	DP-3	**Lab Matrix:**	Water
	Sampled By:	F. Cook of WTI	**Sample Type:**	Groundwater
1504278-04	**COC Number:**	---	**Receive Date:**	02/20/2015 09:15
	Project Number:	Four Seasons Cleaners	**Sampling Date:**	02/18/2015 10:10
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	DP-4	**Lab Matrix:**	Water
	Sampled By:	F. Cook of WTI	**Sample Type:**	Groundwater
1504278-05	**COC Number:**	---	**Receive Date:**	02/20/2015 09:15
	Project Number:	Four Seasons Cleaners	**Sampling Date:**	02/18/2015 12:10
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	DP-5	**Lab Matrix:**	Water
	Sampled By:	F. Cook of WTI	**Sample Type:**	Groundwater
1504278-06	**COC Number:**	---	**Receive Date:**	02/20/2015 09:15
	Project Number:	Four Seasons Cleaners	**Sampling Date:**	02/18/2015 12:30
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	DP-6	**Lab Matrix:**	Water
	Sampled By:	F. Cook of WTI	**Sample Type:**	Groundwater
1504278-07	**COC Number:**	---	**Receive Date:**	02/20/2015 09:15
	Project Number:	Four Seasons Cleaners	**Sampling Date:**	02/18/2015 14:45
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	DP-7	**Lab Matrix:**	Water
	Sampled By:	F. Cook of WTI	**Sample Type:**	Groundwater

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1504278-08	**COC Number:**	---	**Receive Date:**	02/20/2015 09:15
	Project Number:	Four Seasons Cleaners	**Sampling Date:**	02/18/2015 14:35
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	DP-8	**Lab Matrix:**	Water
	Sampled By:	F. Cook of WTI	**Sample Type:**	Groundwater
1504278-09	**COC Number:**	---	**Receive Date:**	02/20/2015 09:15
	Project Number:	Four Seasons Cleaners	**Sampling Date:**	02/18/2015 15:40
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	DP-1d15.0	**Lab Matrix:**	Solids
	Sampled By:	F. Cook of WTI	**Sample Type:**	Soil
1504278-10	**COC Number:**	---	**Receive Date:**	02/20/2015 09:15
	Project Number:	Four Seasons Cleaners	**Sampling Date:**	02/18/2015 10:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	DP-2d14.5	**Lab Matrix:**	Solids
	Sampled By:	F. Cook of WTI	**Sample Type:**	Soil
1504278-11	**COC Number:**	---	**Receive Date:**	02/20/2015 09:15
	Project Number:	Four Seasons Cleaners	**Sampling Date:**	02/18/2015 08:30
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	DP-3d14.0	**Lab Matrix:**	Solids
	Sampled By:	F. Cook of WTI	**Sample Type:**	Soil
1504278-12	**COC Number:**	---	**Receive Date:**	02/20/2015 09:15
	Project Number:	Four Seasons Cleaners	**Sampling Date:**	02/18/2015 09:15
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	DP-4d14.5	**Lab Matrix:**	Solids
	Sampled By:	F. Cook of WTI	**Sample Type:**	Soil
1504278-13	**COC Number:**	---	**Receive Date:**	02/20/2015 09:15
	Project Number:	Four Seasons Cleaners	**Sampling Date:**	02/18/2015 12:10
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	DP-5d8.0	**Lab Matrix:**	Solids
	Sampled By:	F. Cook of WTI	**Sample Type:**	Soil
1504278-14	**COC Number:**	---	**Receive Date:**	02/20/2015 09:15
	Project Number:	Four Seasons Cleaners	**Sampling Date:**	02/18/2015 11:55
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	DP-6d15.0	**Lab Matrix:**	Solids
	Sampled By:	F. Cook of WTI	**Sample Type:**	Soil

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1504278-15	**COC Number:**	---	**Receive Date:**	02/20/2015 09:15
	Project Number:	Four Seasons Cleaners	**Sampling Date:**	02/18/2015 13:30
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	DP-7d15.0	**Lab Matrix:**	Solids
	Sampled By:	F. Cook of WTI	**Sample Type:**	Soil
1504278-16	**COC Number:**	---	**Receive Date:**	02/20/2015 09:15
	Project Number:	Four Seasons Cleaners	**Sampling Date:**	02/18/2015 14:30
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	DP-8d15.0	**Lab Matrix:**	Solids
	Sampled By:	F. Cook of WTI	**Sample Type:**	Soil

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-01 | **Client Sample Name:** Four Seasons Cleaners, DP-1, 2/18/2015 3:40:00PM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-01 | **Client Sample Name:** Four Seasons Cleaners, DP-1, 2/18/2015 3:40:00PM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
p-Isopropyltoluene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	**0.23**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND	**J**	1
Toluene	**0.25**	**ug/L**	**0.50**	**0.093**	**EPA-8260B**	ND	**J**	1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	**0.27**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND	**J**	1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
p- & m-Xylenes	ND	ug/L	0.50	0.28	EPA-8260B	ND		1
o-Xylene	ND	ug/L	0.50	0.082	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	112	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.0	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	87.1	%	80 - 120 (LCL - UCL)		EPA-8260B			1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-01 | **Client Sample Name:** Four Seasons Cleaners, DP-1, 2/18/2015 3:40:00PM, F. Cook

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/23/15	02/23/15 19:06	MGC	MS-V5	1	BYB1950

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San Jose, CA 95125

Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-02 | **Client Sample Name:** Four Seasons Cleaners, DP-2, 2/18/2015 10:05:00AM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	**6.3**	**ug/L**	**0.50**	**0.099**	**EPA-8260B**	ND		1
1,1-Dichloroethane	**0.23**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	**0.25**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND	**J**	1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-02 | **Client Sample Name:** Four Seasons Cleaners, DP-2, 2/18/2015 10:05:00AM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
p-Isopropyltoluene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	**0.55**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	**0.69**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
p- & m-Xylenes	ND	ug/L	0.50	0.28	EPA-8260B	ND		1
o-Xylene	ND	ug/L	0.50	0.082	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	116	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.7	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	88.0	%	80 - 120 (LCL - UCL)		EPA-8260B			1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-02 | **Client Sample Name:** Four Seasons Cleaners, DP-2, 2/18/2015 10:05:00AM, F. Cook

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/23/15	02/23/15 19:28	MGC	MS-V5	1	BYB1950

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-03 | **Client Sample Name:** Four Seasons Cleaners, DP-3, 2/18/2015 10:20:00AM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	**0.15**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	**0.66**	**ug/L**	**0.50**	**0.18**	**EPA-8260B**	ND		1
cis-1,2-Dichloroethene	**6.6**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
trans-1,2-Dichloroethene	**0.49**	**ug/L**	**0.50**	**0.15**	**EPA-8260B**	ND	**J**	1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-03 | **Client Sample Name:** Four Seasons Cleaners, DP-3, 2/18/2015 10:20:00AM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
p-Isopropyltoluene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	**0.11**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND	**J**	1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	**160**	**ug/L**	**2.5**	**0.65**	**EPA-8260B**	ND	**A01**	2
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	**35**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
p- & m-Xylenes	ND	ug/L	0.50	0.28	EPA-8260B	ND		1
o-Xylene	ND	ug/L	0.50	0.082	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	115	%	75 - 125 (LCL - UCL)		EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	114	%	75 - 125 (LCL - UCL)		EPA-8260B			2
Toluene-d8 (Surrogate)	98.7	%	80 - 120 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	80 - 120 (LCL - UCL)		EPA-8260B			2

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-03 | **Client Sample Name:** Four Seasons Cleaners, DP-3, 2/18/2015 10:20:00AM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
4-Bromofluorobenzene (Surrogate)	91.7	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	92.4	%	80 - 120 (LCL - UCL)		EPA-8260B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/23/15	02/23/15 19:51	MGC	MS-V5	1	BYB1950
2	EPA-8260B	02/23/15	02/25/15 03:38	MGC	MS-V5	5	BYB1950

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-04 | **Client Sample Name:** Four Seasons Cleaners, DP-4, 2/18/2015 10:10:00AM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.13**	**ug/L**	**0.50**	**0.083**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	**2.0**	**ug/L**	**0.50**	**0.093**	**EPA-8260B**	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	**1.0**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	**4.0**	**ug/L**	**0.50**	**0.18**	**EPA-8260B**	ND		1
cis-1,2-Dichloroethene	**610**	**ug/L**	**50**	**8.5**	**EPA-8260B**	ND	**A01**	2
trans-1,2-Dichloroethene	**11**	**ug/L**	**0.50**	**0.15**	**EPA-8260B**	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-04 | **Client Sample Name:** Four Seasons Cleaners, DP-4, 2/18/2015 10:10:00AM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
p-Isopropyltoluene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	**12000**	**ug/L**	**250**	**65**	**EPA-8260B**	ND	**A01**	3
Toluene	**0.11**	**ug/L**	**0.50**	**0.093**	**EPA-8260B**	ND	**J**	1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	**0.19**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND	**J**	1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	**2100**	**ug/L**	**50**	**8.5**	**EPA-8260B**	ND	**A01**	2
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	**0.25**	**ug/L**	**0.50**	**0.12**	**EPA-8260B**	ND	**J**	1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
p- & m-Xylenes	ND	ug/L	0.50	0.28	EPA-8260B	ND		1
o-Xylene	ND	ug/L	0.50	0.082	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	115	%	75 - 125 (LCL - UCL)		EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	114	%	75 - 125 (LCL - UCL)		EPA-8260B			2
1,2-Dichloroethane-d4 (Surrogate)	123	%	75 - 125 (LCL - UCL)		EPA-8260B			3
Toluene-d8 (Surrogate)	95.2	%	80 - 120 (LCL - UCL)		EPA-8260B			1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-04 | **Client Sample Name:** Four Seasons Cleaners, DP-4, 2/18/2015 10:10:00AM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Toluene-d8 (Surrogate)	99.9	%	80 - 120 (LCL - UCL)		EPA-8260B			2
Toluene-d8 (Surrogate)	101	%	80 - 120 (LCL - UCL)		EPA-8260B			3
4-Bromofluorobenzene (Surrogate)	101	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.0	%	80 - 120 (LCL - UCL)		EPA-8260B			2
4-Bromofluorobenzene (Surrogate)	95.6	%	80 - 120 (LCL - UCL)		EPA-8260B			3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/23/15	02/23/15 20:13	MGC	MS-V5	1	BYB1950
2	EPA-8260B	02/23/15	02/25/15 04:00	MGC	MS-V5	100	BYB1950
3	EPA-8260B	02/23/15	02/25/15 07:47	MGC	MS-V5	500	BYB1950

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-05 | **Client Sample Name:** Four Seasons Cleaners, DP-5, 2/18/2015 12:10:00PM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	**8.5**	**ug/L**	**0.50**	**0.099**	**EPA-8260B**	ND		1
1,1-Dichloroethane	**0.20**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-05 | **Client Sample Name:** Four Seasons Cleaners, DP-5, 2/18/2015 12:10:00PM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
p-Isopropyltoluene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	**0.61**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
p- & m-Xylenes	ND	ug/L	0.50	0.28	EPA-8260B	ND		1
o-Xylene	ND	ug/L	0.50	0.082	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	109	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.9	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Well Test, Inc.
1180 Delmas Ave.
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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-05 | **Client Sample Name:** Four Seasons Cleaners, DP-5, 2/18/2015 12:10:00PM, F. Cook

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/23/15	02/25/15 02:07	MGC	MS-V5	1	BYB1950

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-06 | **Client Sample Name:** Four Seasons Cleaners, DP-6, 2/18/2015 12:30:00PM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	**3.0**	**ug/L**	**0.50**	**0.099**	**EPA-8260B**	ND		1
1,1-Dichloroethane	**0.20**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-06 | **Client Sample Name:** Four Seasons Cleaners, DP-6, 2/18/2015 12:30:00PM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
p-Isopropyltoluene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	**1.6**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
p- & m-Xylenes	ND	ug/L	0.50	0.28	EPA-8260B	ND		1
o-Xylene	ND	ug/L	0.50	0.082	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	116	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	98.6	%	80 - 120 (LCL - UCL)		EPA-8260B			1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-06 | **Client Sample Name:** Four Seasons Cleaners, DP-6, 2/18/2015 12:30:00PM, F. Cook

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/23/15	02/25/15 02:30	MGC	MS-V5	1	BYB1950

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-07 | **Client Sample Name:** Four Seasons Cleaners, DP-7, 2/18/2015 2:45:00PM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	**0.14**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	**0.42**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND	**J**	1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-07 | **Client Sample Name:** Four Seasons Cleaners, DP-7, 2/18/2015 2:45:00PM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
p-Isopropyltoluene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	**0.11**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND	**J**	1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	**0.33**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND	**J**	1
Toluene	**0.15**	**ug/L**	**0.50**	**0.093**	**EPA-8260B**	ND	**J**	1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	**0.77**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
p- & m-Xylenes	ND	ug/L	0.50	0.28	EPA-8260B	ND		1
o-Xylene	ND	ug/L	0.50	0.082	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	112	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	93.6	%	80 - 120 (LCL - UCL)		EPA-8260B			1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-07 | **Client Sample Name:** Four Seasons Cleaners, DP-7, 2/18/2015 2:45:00PM, F. Cook

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/23/15	02/25/15 02:52	MGC	MS-V5	1	BYB1950

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-08 | **Client Sample Name:** Four Seasons Cleaners, DP-8, 2/18/2015 2:35:00PM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.12**	**ug/L**	**0.50**	**0.083**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	**5.9**	**ug/L**	**0.50**	**0.099**	**EPA-8260B**	ND		1
1,1-Dichloroethane	**0.18**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-08 | **Client Sample Name:** Four Seasons Cleaners, DP-8, 2/18/2015 2:35:00PM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
p-Isopropyltoluene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	**0.84**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Toluene	**0.22**	**ug/L**	**0.50**	**0.093**	**EPA-8260B**	ND	**J**	1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
p- & m-Xylenes	ND	ug/L	0.50	0.28	EPA-8260B	ND		1
o-Xylene	ND	ug/L	0.50	0.082	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	112	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.1	%	80 - 120 (LCL - UCL)		EPA-8260B			1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-08 | **Client Sample Name:** Four Seasons Cleaners, DP-8, 2/18/2015 2:35:00PM, F. Cook

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/23/15	02/25/15 03:15	MGC	MS-V5	1	BYB1950

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-09 | **Client Sample Name:** Four Seasons Cleaners, DP-1d15.0, 2/18/2015 3:40:00PM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-09 | **Client Sample Name:** Four Seasons Cleaners, DP-1d15.0, 2/18/2015 3:40:00PM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	89.3	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-09 | **Client Sample Name:** Four Seasons Cleaners, DP-1d15.0, 2/18/2015 3:40:00PM, F. Cook

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/20/15	02/20/15 19:47	XDC	MS-V3	1	BYB1246

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-10 | **Client Sample Name:** Four Seasons Cleaners, DP-2d14.5, 2/18/2015 10:05:00AM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-10 | **Client Sample Name:** Four Seasons Cleaners, DP-2d14.5, 2/18/2015 10:05:00AM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	93.1	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-10 | **Client Sample Name:** Four Seasons Cleaners, DP-2d14.5, 2/18/2015 10:05:00AM, F. Cook

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/20/15	02/23/15 15:20	XDC	MS-V3	1	BYB1246

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-11 | **Client Sample Name:** Four Seasons Cleaners, DP-3d14.0, 2/18/2015 8:30:00AM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-11 | **Client Sample Name:** Four Seasons Cleaners, DP-3d14.0, 2/18/2015 8:30:00AM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	96.2	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.8	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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San Jose, CA 95125

Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-11 | **Client Sample Name:** Four Seasons Cleaners, DP-3d14.0, 2/18/2015 8:30:00AM, F. Cook

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/20/15	02/20/15 20:32	XDC	MS-V3	1	BYB1246

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-12 | **Client Sample Name:** Four Seasons Cleaners, DP-4d14.5, 2/18/2015 9:15:00AM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	**0.0018**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-12 | **Client Sample Name:** Four Seasons Cleaners, DP-4d14.5, 2/18/2015 9:15:00AM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	**0.0029**	**mg/kg**	**0.0050**	**0.0013**	**EPA-8260B**	ND	**J**	1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	**0.0022**	**mg/kg**	**0.0050**	**0.0011**	**EPA-8260B**	ND	**J**	1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	92.3	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.5	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	99.7	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-12 | **Client Sample Name:** Four Seasons Cleaners, DP-4d14.5, 2/18/2015 9:15:00AM, F. Cook

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/20/15	02/23/15 15:42	XDC	MS-V3	1	BYB1246

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-13 | **Client Sample Name:** Four Seasons Cleaners, DP-5d8.0, 2/18/2015 12:10:00PM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-13 | **Client Sample Name:** Four Seasons Cleaners, DP-5d8.0, 2/18/2015 12:10:00PM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	98.4	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-13 | **Client Sample Name:** Four Seasons Cleaners, DP-5d8.0, 2/18/2015 12:10:00PM, F. Cook

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/20/15	02/20/15 21:17	XDC	MS-V3	1	BYB1246

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-14 | **Client Sample Name:** Four Seasons Cleaners, DP-6d15.0, 2/18/2015 11:55:00AM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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

Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-14 | **Client Sample Name:** Four Seasons Cleaners, DP-6d15.0, 2/18/2015 11:55:00AM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	94.6	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	104	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-14 | **Client Sample Name:** Four Seasons Cleaners, DP-6d15.0, 2/18/2015 11:55:00AM, F. Cook

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/20/15	02/23/15 14:12	XDC	MS-V3	1	BYB1806

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1180 Delmas Ave.
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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-15 | **Client Sample Name:** Four Seasons Cleaners, DP-7d15.0, 2/18/2015 1:30:00PM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-15 | **Client Sample Name:** Four Seasons Cleaners, DP-7d15.0, 2/18/2015 1:30:00PM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	94.2	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.5	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-15 | **Client Sample Name:** Four Seasons Cleaners, DP-7d15.0, 2/18/2015 1:30:00PM, F. Cook

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/20/15	02/23/15 14:35	XDC	MS-V3	1	BYB1806

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

Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-16 | **Client Sample Name:** Four Seasons Cleaners, DP-8d15.0, 2/18/2015 2:30:00PM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0050	0.00092	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0050	0.00084	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND	A40	1
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0050	0.00063	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0050	0.00099	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0010	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0050	0.0018	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00085	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00081	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-16 | **Client Sample Name:** Four Seasons Cleaners, DP-8d15.0, 2/18/2015 2:30:00PM, F. Cook

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0050	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0050	0.0014	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0021	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0020	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.00077	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0011	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0050	0.0016	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.010	0.0034	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0050	0.0022	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0050	0.0012	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	90.9	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)		EPA-8260B			1

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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

BCL Sample ID: 1504278-16 | **Client Sample Name:** Four Seasons Cleaners, DP-8d15.0, 2/18/2015 2:30:00PM, F. Cook

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	02/20/15	02/24/15 11:41	XDC	MS-V3	1	BYB1806

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1180 Delmas Ave.
San Jose, CA 95125

Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYB1246						
Benzene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0013	
Bromobenzene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	BYB1246-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	BYB1246-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BYB1246-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BYB1246-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BYB1246-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BYB1246-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BYB1246-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BYB1246-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BYB1246-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BYB1246-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BYB1246-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BYB1246-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BYB1246-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BYB1246-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BYB1246-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BYB1246-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	BYB1246-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BYB1246-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BYB1246-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0011	

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1180 Delmas Ave.
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Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYB1246						
trans-1,3-Dichloropropene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0012	
Ethylbenzene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BYB1246-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BYB1246-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BYB1246-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2,2-Tetrachloroethane	BYB1246-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BYB1246-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BYB1246-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BYB1246-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BYB1246-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BYB1246-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BYB1246-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BYB1246-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	BYB1246-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BYB1246-BLK1	ND	mg/kg	0.0050	0.0012	
1,2-Dichloroethane-d4 (Surrogate)	**BYB1246-BLK1**	**87.7**	%	**70 - 121 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**BYB1246-BLK1**	**100**	%	**81 - 117 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**BYB1246-BLK1**	**102**	%	**74 - 121 (LCL - UCL)**		
QC Batch ID: BYB1806						
Benzene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0013	

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Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYB1806						
Bromobenzene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0013	
Bromochloromethane	BYB1806-BLK1	ND	mg/kg	0.0050	0.00092	
Bromodichloromethane	BYB1806-BLK1	ND	mg/kg	0.0050	0.00084	
Bromoform	BYB1806-BLK1	ND	mg/kg	0.0050	0.0015	
Bromomethane	BYB1806-BLK1	ND	mg/kg	0.0050	0.0016	
n-Butylbenzene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0012	
tert-Butylbenzene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0012	
Carbon tetrachloride	BYB1806-BLK1	ND	mg/kg	0.0050	0.0011	
Chlorobenzene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0013	
Chloroethane	BYB1806-BLK1	ND	mg/kg	0.0050	0.0014	
Chloroform	BYB1806-BLK1	ND	mg/kg	0.0050	0.00063	
Chloromethane	BYB1806-BLK1	ND	mg/kg	0.0050	0.0014	
2-Chlorotoluene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0018	
4-Chlorotoluene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0014	
Dibromochloromethane	BYB1806-BLK1	ND	mg/kg	0.0050	0.00099	
1,2-Dibromo-3-chloropropane	BYB1806-BLK1	ND	mg/kg	0.0050	0.0017	
1,2-Dibromoethane	BYB1806-BLK1	ND	mg/kg	0.0050	0.0010	
Dibromomethane	BYB1806-BLK1	ND	mg/kg	0.0050	0.0018	
1,2-Dichlorobenzene	BYB1806-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichlorobenzene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0014	
1,4-Dichlorobenzene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0015	
Dichlorodifluoromethane	BYB1806-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloroethane	BYB1806-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloroethane	BYB1806-BLK1	ND	mg/kg	0.0050	0.00085	
1,1-Dichloroethene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,2-Dichloroethene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0013	
trans-1,2-Dichloroethene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichloropropane	BYB1806-BLK1	ND	mg/kg	0.0050	0.00081	
1,3-Dichloropropane	BYB1806-BLK1	ND	mg/kg	0.0050	0.0011	
2,2-Dichloropropane	BYB1806-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0012	
cis-1,3-Dichloropropene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0011	
trans-1,3-Dichloropropene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0012	

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Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYB1806						
Ethylbenzene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0015	
Hexachlorobutadiene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0013	
p-Isopropyltoluene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0013	
Methylene chloride	BYB1806-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BYB1806-BLK1	ND	mg/kg	0.0050	0.00050	
Naphthalene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0014	
n-Propylbenzene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0013	
Styrene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0014	
1,1,1,2-Tetrachloroethane	BYB1806-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2,2-Tetrachloroethane	BYB1806-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,3-Trichlorobenzene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0021	
1,2,4-Trichlorobenzene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0020	
1,1,1-Trichloroethane	BYB1806-BLK1	ND	mg/kg	0.0050	0.0011	
1,1,2-Trichloroethane	BYB1806-BLK1	ND	mg/kg	0.0050	0.00077	
Trichloroethene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0011	
Trichlorofluoromethane	BYB1806-BLK1	ND	mg/kg	0.0050	0.0011	
1,2,3-Trichloropropane	BYB1806-BLK1	ND	mg/kg	0.0050	0.0016	
1,1,2-Trichloro-1,2,2-trifluoroethane	BYB1806-BLK1	ND	mg/kg	0.0050	0.0013	
1,2,4-Trimethylbenzene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0013	
1,3,5-Trimethylbenzene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BYB1806-BLK1	ND	mg/kg	0.0050	0.0016	
Total Xylenes	BYB1806-BLK1	ND	mg/kg	0.010	0.0034	
p- & m-Xylenes	BYB1806-BLK1	ND	mg/kg	0.0050	0.0022	
o-Xylene	BYB1806-BLK1	ND	mg/kg	0.0050	0.0012	
1,2-Dichloroethane-d4 (Surrogate)	**BYB1806-BLK1**	**91.6**	%	**70 - 121 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**BYB1806-BLK1**	**99.8**	%	**81 - 117 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**BYB1806-BLK1**	**101**	%	**74 - 121 (LCL - UCL)**		
QC Batch ID: BYB1950						
Benzene	BYB1950-BLK1	ND	ug/L	0.50	0.083	
Bromobenzene	BYB1950-BLK1	ND	ug/L	0.50	0.13	

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Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYB1950						
Bromochloromethane	BYB1950-BLK1	ND	ug/L	0.50	0.24	
Bromodichloromethane	BYB1950-BLK1	ND	ug/L	0.50	0.14	
Bromoform	BYB1950-BLK1	ND	ug/L	0.50	0.27	
Bromomethane	BYB1950-BLK1	ND	ug/L	1.0	0.25	
n-Butylbenzene	BYB1950-BLK1	ND	ug/L	0.50	0.11	
sec-Butylbenzene	BYB1950-BLK1	ND	ug/L	0.50	0.15	
tert-Butylbenzene	BYB1950-BLK1	ND	ug/L	0.50	0.13	
Carbon tetrachloride	BYB1950-BLK1	ND	ug/L	0.50	0.18	
Chlorobenzene	BYB1950-BLK1	ND	ug/L	0.50	0.093	
Chloroethane	BYB1950-BLK1	ND	ug/L	0.50	0.14	
Chloroform	BYB1950-BLK1	ND	ug/L	0.50	0.12	
Chloromethane	BYB1950-BLK1	ND	ug/L	0.50	0.14	
2-Chlorotoluene	BYB1950-BLK1	ND	ug/L	0.50	0.20	
4-Chlorotoluene	BYB1950-BLK1	ND	ug/L	0.50	0.15	
Dibromochloromethane	BYB1950-BLK1	ND	ug/L	0.50	0.13	
1,2-Dibromo-3-chloropropane	BYB1950-BLK1	ND	ug/L	1.0	0.44	
1,2-Dibromoethane	BYB1950-BLK1	ND	ug/L	0.50	0.16	
Dibromomethane	BYB1950-BLK1	ND	ug/L	0.50	0.24	
1,2-Dichlorobenzene	BYB1950-BLK1	ND	ug/L	0.50	0.072	
1,3-Dichlorobenzene	BYB1950-BLK1	ND	ug/L	0.50	0.15	
1,4-Dichlorobenzene	BYB1950-BLK1	ND	ug/L	0.50	0.062	
Dichlorodifluoromethane	BYB1950-BLK1	ND	ug/L	0.50	0.099	
1,1-Dichloroethane	BYB1950-BLK1	ND	ug/L	0.50	0.11	
1,2-Dichloroethane	BYB1950-BLK1	ND	ug/L	0.50	0.17	
1,1-Dichloroethene	BYB1950-BLK1	ND	ug/L	0.50	0.18	
cis-1,2-Dichloroethene	BYB1950-BLK1	ND	ug/L	0.50	0.085	
trans-1,2-Dichloroethene	BYB1950-BLK1	ND	ug/L	0.50	0.15	
1,2-Dichloropropane	BYB1950-BLK1	ND	ug/L	0.50	0.13	
1,3-Dichloropropane	BYB1950-BLK1	ND	ug/L	0.50	0.086	
2,2-Dichloropropane	BYB1950-BLK1	ND	ug/L	0.50	0.13	
1,1-Dichloropropene	BYB1950-BLK1	ND	ug/L	0.50	0.085	
cis-1,3-Dichloropropene	BYB1950-BLK1	ND	ug/L	0.50	0.14	
trans-1,3-Dichloropropene	BYB1950-BLK1	ND	ug/L	0.50	0.079	
Ethylbenzene	BYB1950-BLK1	ND	ug/L	0.50	0.098	

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Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BYB1950						
Hexachlorobutadiene	BYB1950-BLK1	ND	ug/L	0.50	0.17	
Isopropylbenzene	BYB1950-BLK1	ND	ug/L	0.50	0.14	
p-Isopropyltoluene	BYB1950-BLK1	ND	ug/L	0.50	0.12	
Methylene chloride	BYB1950-BLK1	ND	ug/L	1.0	0.48	
Methyl t-butyl ether	BYB1950-BLK1	ND	ug/L	0.50	0.11	
Naphthalene	BYB1950-BLK1	ND	ug/L	0.50	0.36	
n-Propylbenzene	BYB1950-BLK1	ND	ug/L	0.50	0.11	
Styrene	BYB1950-BLK1	ND	ug/L	0.50	0.068	
1,1,1,2-Tetrachloroethane	BYB1950-BLK1	ND	ug/L	0.50	0.18	
1,1,2,2-Tetrachloroethane	BYB1950-BLK1	ND	ug/L	0.50	0.17	
Tetrachloroethene	BYB1950-BLK1	ND	ug/L	0.50	0.13	
Toluene	BYB1950-BLK1	ND	ug/L	0.50	0.093	
1,2,3-Trichlorobenzene	BYB1950-BLK1	ND	ug/L	0.50	0.16	
1,2,4-Trichlorobenzene	BYB1950-BLK1	ND	ug/L	0.50	0.19	
1,1,1-Trichloroethane	BYB1950-BLK1	ND	ug/L	0.50	0.11	
1,1,2-Trichloroethane	BYB1950-BLK1	ND	ug/L	0.50	0.16	
Trichloroethene	BYB1950-BLK1	ND	ug/L	0.50	0.085	
Trichlorofluoromethane	BYB1950-BLK1	ND	ug/L	0.50	0.13	
1,2,3-Trichloropropane	BYB1950-BLK1	ND	ug/L	1.0	0.24	
1,1,2-Trichloro-1,2,2-trifluoroethane	BYB1950-BLK1	ND	ug/L	0.50	0.15	
1,2,4-Trimethylbenzene	BYB1950-BLK1	ND	ug/L	0.50	0.12	
1,3,5-Trimethylbenzene	BYB1950-BLK1	ND	ug/L	0.50	0.12	
Vinyl chloride	BYB1950-BLK1	ND	ug/L	0.50	0.12	
Total Xylenes	BYB1950-BLK1	ND	ug/L	1.0	0.36	
p- & m-Xylenes	BYB1950-BLK1	ND	ug/L	0.50	0.28	
o-Xylene	BYB1950-BLK1	ND	ug/L	0.50	0.082	
1,2-Dichloroethane-d4 (Surrogate)	**BYB1950-BLK1**	**116**	%	**75 - 125 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**BYB1950-BLK1**	**98.0**	%	**80 - 120 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**BYB1950-BLK1**	**92.4**	%	**80 - 120 (LCL - UCL)**		

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Volatile Organic Analysis (EPA Method 8260B)

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: BYB1246										
Benzene	BYB1246-BS1	LCS	0.13183	0.12500	mg/kg	105		70 - 130		
Bromodichloromethane	BYB1246-BS1	LCS	0.13047	0.12500	mg/kg	104		70 - 130		
Chlorobenzene	BYB1246-BS1	LCS	0.12888	0.12500	mg/kg	103		70 - 130		
Chloroethane	BYB1246-BS1	LCS	0.11236	0.12500	mg/kg	89.9		70 - 130		
1,4-Dichlorobenzene	BYB1246-BS1	LCS	0.11939	0.12500	mg/kg	95.5		70 - 130		
1,1-Dichloroethane	BYB1246-BS1	LCS	0.12873	0.12500	mg/kg	103		70 - 130		
1,1-Dichloroethene	BYB1246-BS1	LCS	0.13100	0.12500	mg/kg	105		70 - 130		
Toluene	BYB1246-BS1	LCS	0.12810	0.12500	mg/kg	102		70 - 130		
Trichloroethene	BYB1246-BS1	LCS	0.13290	0.12500	mg/kg	106		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BYB1246-BS1	LCS	0.048130	0.050000	mg/kg	96.3		70 - 121		
Toluene-d8 (Surrogate)	BYB1246-BS1	LCS	0.050880	0.050000	mg/kg	102		81 - 117		
4-Bromofluorobenzene (Surrogate)	BYB1246-BS1	LCS	0.051360	0.050000	mg/kg	103		74 - 121		
QC Batch ID: BYB1806										
Benzene	BYB1806-BS1	LCS	0.13521	0.12500	mg/kg	108		70 - 130		
Bromodichloromethane	BYB1806-BS1	LCS	0.12604	0.12500	mg/kg	101		70 - 130		
Chlorobenzene	BYB1806-BS1	LCS	0.12309	0.12500	mg/kg	98.5		70 - 130		
Chloroethane	BYB1806-BS1	LCS	0.11723	0.12500	mg/kg	93.8		70 - 130		
1,4-Dichlorobenzene	BYB1806-BS1	LCS	0.11733	0.12500	mg/kg	93.9		70 - 130		
1,1-Dichloroethane	BYB1806-BS1	LCS	0.13318	0.12500	mg/kg	107		70 - 130		
1,1-Dichloroethene	BYB1806-BS1	LCS	0.13575	0.12500	mg/kg	109		70 - 130		
Toluene	BYB1806-BS1	LCS	0.12570	0.12500	mg/kg	101		70 - 130		
Trichloroethene	BYB1806-BS1	LCS	0.13060	0.12500	mg/kg	104		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BYB1806-BS1	LCS	0.050950	0.050000	mg/kg	102		70 - 121		
Toluene-d8 (Surrogate)	BYB1806-BS1	LCS	0.050320	0.050000	mg/kg	101		81 - 117		
4-Bromofluorobenzene (Surrogate)	BYB1806-BS1	LCS	0.051080	0.050000	mg/kg	102		74 - 121		
QC Batch ID: BYB1950										
Benzene	BYB1950-BS1	LCS	24.960	25.000	ug/L	99.8		70 - 130		
Bromodichloromethane	BYB1950-BS1	LCS	29.270	25.000	ug/L	117		70 - 130		
Chlorobenzene	BYB1950-BS1	LCS	25.310	25.000	ug/L	101		70 - 130		
Chloroethane	BYB1950-BS1	LCS	28.510	25.000	ug/L	114		70 - 130		
1,4-Dichlorobenzene	BYB1950-BS1	LCS	25.310	25.000	ug/L	101		70 - 130		
1,1-Dichloroethane	BYB1950-BS1	LCS	25.400	25.000	ug/L	102		70 - 130		
1,1-Dichloroethene	BYB1950-BS1	LCS	26.650	25.000	ug/L	107		70 - 130		

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

Reported: 02/25/2015 17:23
Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

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: BYB1950										
Toluene	BYB1950-BS1	LCS	24.740	25.000	ug/L	99.0		70 - 130		
Trichloroethene	BYB1950-BS1	LCS	24.380	25.000	ug/L	97.5		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BYB1950-BS1	LCS	11.620	10.000	ug/L	116		75 - 125		
Toluene-d8 (Surrogate)	BYB1950-BS1	LCS	9.7900	10.000	ug/L	97.9		80 - 120		
4-Bromofluorobenzene (Surrogate)	BYB1950-BS1	LCS	10.690	10.000	ug/L	107		80 - 120		

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Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BYB1246	Used client sample: N										
Benzene	MS	1502150-27	ND	0.13540	0.12500	mg/kg		108		70 - 130	
	MSD	1502150-27	ND	0.13324	0.12500	mg/kg	1.6	107	20	70 - 130	
Bromodichloromethane	MS	1502150-27	ND	0.12686	0.12500	mg/kg		101		70 - 130	
	MSD	1502150-27	ND	0.12973	0.12500	mg/kg	2.2	104	20	70 - 130	
Chlorobenzene	MS	1502150-27	ND	0.12968	0.12500	mg/kg		104		70 - 130	
	MSD	1502150-27	ND	0.12725	0.12500	mg/kg	1.9	102	20	70 - 130	
Chloroethane	MS	1502150-27	ND	0.14261	0.12500	mg/kg		114		70 - 130	
	MSD	1502150-27	ND	0.13936	0.12500	mg/kg	2.3	111	20	70 - 130	
1,4-Dichlorobenzene	MS	1502150-27	ND	0.12214	0.12500	mg/kg		97.7		70 - 130	
	MSD	1502150-27	ND	0.11861	0.12500	mg/kg	2.9	94.9	20	70 - 130	
1,1-Dichloroethane	MS	1502150-27	ND	0.13234	0.12500	mg/kg		106		70 - 130	
	MSD	1502150-27	ND	0.13170	0.12500	mg/kg	0.5	105	20	70 - 130	
1,1-Dichloroethene	MS	1502150-27	ND	0.13702	0.12500	mg/kg		110		70 - 130	
	MSD	1502150-27	ND	0.13173	0.12500	mg/kg	3.9	105	20	70 - 130	
Toluene	MS	1502150-27	ND	0.12655	0.12500	mg/kg		101		70 - 130	
	MSD	1502150-27	ND	0.12918	0.12500	mg/kg	2.1	103	20	70 - 130	
Trichloroethene	MS	1502150-27	ND	0.13101	0.12500	mg/kg		105		70 - 130	
	MSD	1502150-27	ND	0.13165	0.12500	mg/kg	0.5	105	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1502150-27	ND	0.049810	0.050000	mg/kg		99.6		70 - 121	
	MSD	1502150-27	ND	0.049170	0.050000	mg/kg	1.3	98.3		70 - 121	
Toluene-d8 (Surrogate)	MS	1502150-27	ND	0.049930	0.050000	mg/kg		99.9		81 - 117	
	MSD	1502150-27	ND	0.050740	0.050000	mg/kg	1.6	101		81 - 117	
4-Bromofluorobenzene (Surrogate)	MS	1502150-27	ND	0.052910	0.050000	mg/kg		106		74 - 121	
	MSD	1502150-27	ND	0.051320	0.050000	mg/kg	3.1	103		74 - 121	
QC Batch ID: BYB1806	Used client sample: N										
Benzene	MS	1502150-30	ND	0.13446	0.12500	mg/kg		108		70 - 130	
	MSD	1502150-30	ND	0.12537	0.12500	mg/kg	7.0	100	20	70 - 130	
Bromodichloromethane	MS	1502150-30	ND	0.13394	0.12500	mg/kg		107		70 - 130	
	MSD	1502150-30	ND	0.12259	0.12500	mg/kg	8.8	98.1	20	70 - 130	
Chlorobenzene	MS	1502150-30	ND	0.12998	0.12500	mg/kg		104		70 - 130	
	MSD	1502150-30	ND	0.12380	0.12500	mg/kg	4.9	99.0	20	70 - 130	
Chloroethane	MS	1502150-30	ND	0.14211	0.12500	mg/kg		114		70 - 130	
	MSD	1502150-30	ND	0.13712	0.12500	mg/kg	3.6	110	20	70 - 130	
1,4-Dichlorobenzene	MS	1502150-30	ND	0.11825	0.12500	mg/kg		94.6		70 - 130	
	MSD	1502150-30	ND	0.11571	0.12500	mg/kg	2.2	92.6	20	70 - 130	
1,1-Dichloroethane	MS	1502150-30	ND	0.13225	0.12500	mg/kg		106		70 - 130	
	MSD	1502150-30	ND	0.12501	0.12500	mg/kg	5.6	100	20	70 - 130	

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Project: Water/Soil Samples
Project Number: 4401 - Four Seasons Cleaners
Project Manager: Bill Dugan

Volatile Organic Analysis (EPA Method 8260B)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BYB1806	Used client sample: N										
1,1-Dichloroethene	MS	1502150-30	ND	0.13935	0.12500	mg/kg		111		70 - 130	
	MSD	1502150-30	ND	0.12608	0.12500	mg/kg	10.0	101	20	70 - 130	
Toluene	MS	1502150-30	ND	0.13554	0.12500	mg/kg		108		70 - 130	
	MSD	1502150-30	ND	0.12202	0.12500	mg/kg	10.5	97.6	20	70 - 130	
Trichloroethene	MS	1502150-30	ND	0.14045	0.12500	mg/kg		112		70 - 130	
	MSD	1502150-30	ND	0.12585	0.12500	mg/kg	11.0	101	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1502150-30	ND	0.047780	0.050000	mg/kg		95.6		70 - 121	
	MSD	1502150-30	ND	0.047670	0.050000	mg/kg	0.2	95.3		70 - 121	
Toluene-d8 (Surrogate)	MS	1502150-30	ND	0.051150	0.050000	mg/kg		102		81 - 117	
	MSD	1502150-30	ND	0.050860	0.050000	mg/kg	0.6	102		81 - 117	
4-Bromofluorobenzene (Surrogate)	MS	1502150-30	ND	0.049560	0.050000	mg/kg		99.1		74 - 121	
	MSD	1502150-30	ND	0.052080	0.050000	mg/kg	5.0	104		74 - 121	
QC Batch ID: BYB1950	Used client sample: N										
Benzene	MS	1504343-01	ND	24.390	25.000	ug/L		97.6		70 - 130	
	MSD	1504343-01	ND	25.070	25.000	ug/L	2.7	100	20	70 - 130	
Bromodichloromethane	MS	1504343-01	ND	28.700	25.000	ug/L		115		70 - 130	
	MSD	1504343-01	ND	30.730	25.000	ug/L	6.8	123	20	70 - 130	
Chlorobenzene	MS	1504343-01	ND	24.510	25.000	ug/L		98.0		70 - 130	
	MSD	1504343-01	ND	26.640	25.000	ug/L	8.3	107	20	70 - 130	
Chloroethane	MS	1504343-01	ND	27.770	25.000	ug/L		111		70 - 130	
	MSD	1504343-01	ND	28.560	25.000	ug/L	2.8	114	20	70 - 130	
1,4-Dichlorobenzene	MS	1504343-01	ND	23.970	25.000	ug/L		95.9		70 - 130	
	MSD	1504343-01	ND	26.640	25.000	ug/L	10.6	107	20	70 - 130	
1,1-Dichloroethane	MS	1504343-01	ND	24.430	25.000	ug/L		97.7		70 - 130	
	MSD	1504343-01	ND	25.740	25.000	ug/L	5.2	103	20	70 - 130	
1,1-Dichloroethene	MS	1504343-01	ND	26.350	25.000	ug/L		105		70 - 130	
	MSD	1504343-01	ND	26.300	25.000	ug/L	0.2	105	20	70 - 130	
Toluene	MS	1504343-01	ND	24.670	25.000	ug/L		98.7		70 - 130	
	MSD	1504343-01	ND	26.530	25.000	ug/L	7.3	106	20	70 - 130	
Trichloroethene	MS	1504343-01	ND	23.710	25.000	ug/L		94.8		70 - 130	
	MSD	1504343-01	ND	25.910	25.000	ug/L	8.9	104	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1504343-01	ND	10.520	10.000	ug/L		105		75 - 125	
	MSD	1504343-01	ND	10.290	10.000	ug/L	2.2	103		75 - 125	
Toluene-d8 (Surrogate)	MS	1504343-01	ND	9.7400	10.000	ug/L		97.4		80 - 120	
	MSD	1504343-01	ND	9.8800	10.000	ug/L	1.4	98.8		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1504343-01	ND	10.010	10.000	ug/L		100		80 - 120	
	MSD	1504343-01	ND	10.570	10.000	ug/L	5.4	106		80 - 120	

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Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.
A40	Initial calibration linearity criteria not met.

ATTACHMENT F

Vapor Pin Installation Field Methods

Cox-Colvin & ASSOCIATES, INC. ENVIRONMENTAL SERVICES

Standard Operating Procedure Installation and Extraction of the Vapor Pin™

May 20, 20

Scope:

This standard operating procedure describes the installation and extraction of the Vapor Pin™[1] for use in sub-slab soil-gas sampling.

Purpose:

The purpose of this procedure is to assure good quality control in field operations and uniformity between field personnel in the use of the Vapor Pin™ for the collection of sub-slab soil-gas samples.

Equipment Needed:

- Assembled Vapor Pin™ [Vapor Pin™ and silicone sleeve (Figure)];
- Hammer drill;
- 5/8-inch diameter hammer bit (Hilti™ TE-YX 5/8" x 22" #002065 4 or equivalent);
- ½-inch diameter hammer bit (Hilti™ TE-YX ½" x 23" #00293032 or equivalent) for flush mount applications;
- ¾-inch diameter bottle brush;
- Wet/dry vacuum with HEPA filter (optional);
- Vapor Pin™ installation/extraction tool;
- Dead blow hammer;
- Vapor Pin™ flush mount cover, as necessary;
- Vapor Pin™ protective cap; and
- VOC-free hole patching material (hydraulic cement) and putty knife or trowel.

Figure 1. Assembled Vapor Pin™.

Installation Procedure:

) Check for buried obstacles (pipes, electrical lines, etc.) prior to proceeding.

2) Set up wet/dry vacuum to collect drill cuttings.

3) If a flush mount installation is required, drill a ½-inch diameter hole at least ¾-inches into the slab.

4) Drill a 5/8-inch diameter hole through the slab and approximately -inch into the underlying soil to form a void.

5) Remove the drill bit, brush the hole with the bottle brush, and remove the loose cuttings with the vacuum.

6) Place the lower end of Vapor Pin™ assembly into the drilled hole. Place the small hole located in the handle of the extraction/installation tool over the Vapor Pin™ to protect the barb fitting and cap, and tap the Vapor Pin™ into place using a

[1] Cox-Colvin & Associates, Inc., designed and developed the Vapor Pin™; a patent is pending.

dead blow hammer (Figure 2). Make sure the extraction/installation tool is aligned parallel to the Vapor Pin™ to avoid damaging the barb fitting.

Figure 2. Installing the Vapor Pin™.

For flush mount installations, unscrew the threaded coupling from the installation/extraction handle and use the hole in the end of the tool to assist with the installation (Figure 3).

Figure 3. Flush-mount installation.

During installation, the silicone sleeve will form a slight bulge between the slab and the Vapor Pin™ shoulder. Place the protective cap on Vapor Pin™ to prevent vapor loss prior to sampling (Figure 4).

Figure 4. Installed Vapor Pin™.

7) For flush mount installations, cover the Vapor Pin™ with a flush mount cover.

8) Allow 20 minutes or more (consult applicable guidance for your situation) for the sub-slab soil-gas conditions to equilibrate prior to sampling.

9) Remove protective cap and connect sample tubing to the barb fitting of the Vapor Pin™ (Figure 5).

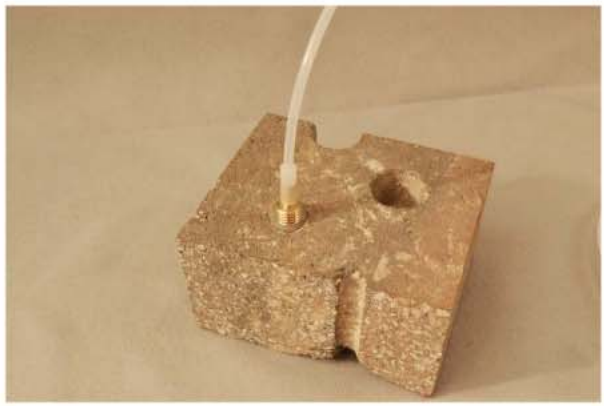

Figure 5. Vapor Pin™ sample connection.

10) Conduct leak tests [(e.g., real-time monitoring of oxygen levels on extracted sub-slab soil gas, or placement of a water

dam around the Vapor Pin™) Figure 6]. Consult your local guidance for possible tests.

Figure 6. Water dam used for leak detection.

) Collect sub-slab soil gas sample. When finished sampling, replace the protective cap and flush mount cover until the next sampling event. If the sampling is complete, extract the Vapor Pin™.

Extraction Procedure:

) Remove the protective cap, and thread the installation/extraction tool onto the barrel of the Vapor Pin™ (Figure 7). Continue

Figure 7. Removing the Vapor Pin™.

turning the tool to assist in extraction, then pull the Vapor Pin™ from the hole (Figure 8).

Figure 8. Extracted Vapor Pin™.

2) Fill the void with hydraulic cement and smooth with the trowel or putty knife.

3) Prior to reuse, remove the silicone sleeve and discard. Decontaminate the Vapor Pin™ in a hot water and Alconox® wash, then heat in an oven to a temperature of 30° C.

The Vapor Pin™ to designed be used repeatedly; however, replacement parts and supplies will be required periodically. These parts are available on-line at www.CoxColvin.com.

Replacement Parts:

Vapor Pin™ Kit Case - VPC00
Vapor Pins™ - VPIN0522
Silicone Sleeves - VPTS077
Installation/Extraction Tool - VPIE023
Protective Caps - VPPC010
Flush Mount Covers - VPFM050
Water Dam - VPWD004
Brush - VPB026

ATTACHMENT G

Client Transmittal Letter

March 6, 2015

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

Re: Soil and Water Investigation Report and Vapor Assessment Work Plan (Report #4401)
Four Seasons Cleaners, 13778 Doolittle Drive, San Leandro, California
Cleanup Program # RO0003155

Dear Mr. Detterman:

Attached for your review is a technical report (WTI Report #4401) for the voluntary site cleanup site located at 13778 Doolittle Drive, San Leandro, California. The report was prepared by WellTest, Inc. (WTI) at my request.

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

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

Sincerely,

Mr. Ernie 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:	**Soil and Water Investigation Report and Vapor Assessment Work Plan (#4401)**
Report Type:	**Soil Vapor Intrusion Investigation Workplan**
Report Date:	**3/6/2015**
Facility Global ID:	**T10000006425**
Facility Name:	**Four Seasons Cleaners**
File Name:	**RO3155_SWI_WP_R_2015-03-06.pdf**
Organization Name:	**WellTest, Inc.**
Username:	**GROUNDWATER-DATA**
IP Address:	**24.4.35.204**
Submittal Date/Time:	**3/6/2015 10:27:41 PM**
Confirmation Number:	**3934943914**