January 26, 2010

Mr. Paresh Khatri
Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Subject: Interim Remedial Action Report
Crow Canyon Dry Cleaners
7272 San Ramon Road, Dublin, California
(RO # 0002863)

Dear Mr. Khatri,

Endpoint Consulting, Inc. (Endpoint) is pleased to present this letter report summarizing interim remediation actions (IRA) involving soil vapor extraction (SVE) targeting tetrachloroethene (PCE) impacts in the vadose zone at the above-referenced site (Site, see Figure 1). The IRA was conducted in accordance with the workplan addendum (LRM, 2009) approved in a letter dated March 4, 2009, and minor modifications made through discussions with the Alameda County Health Care Service Agency (ACHCSA). The primary objective of the IRA activities was to reduce PCE concentrations in soil vapor across the Site, with particular emphasis on minimizing the potential for PCE vapor migration toward the Montessori School, located south of the Site.

To summarize, the IRA field activities were conducted from June 2009 to November 2009. These activities included soil vapor monitoring and extraction well installation, an 8-hour SVE pilot test, and more than two months of SVE operations and related operations and maintenance (O&M) sampling. To the extent that the O&M sampling results after two months of SVE operations indicated a significant reduction in PCE concentrations in vapor monitoring wells and a significant reduction in the mass removal rate of the SVE system, the SVE operations were terminated. Approximately one month after SVE system termination, a comprehensive round of post-remediation vapor sampling was conducted at the site; this sampling indicated insignificant rebound in PCE concentrations in soil vapor monitoring wells and the persistence of PCE at concentrations well below commercial/industrial environmental screening levels (ESLs) adopted by the San Francisco Bay Regional Water Quality Control Board ([RWQCB], 2008). The objective of minimizing PCE concentrations near the Montessori School were also met through a reduction of PCE from 10,000 ug/m^3 to 310 ug/m^3 in the monitoring well installed immediately adjacent to the school; the resulting value is below the residential ESL for PCE.

A formal presentation of the IRA activities and findings was made to the ACHCSA at a meeting on January 20, 2010. This report serves as formal documentation of the above-summarized IRA activities and related findings.

VAPOR WELL INSTALLATION

To facilitate the SVE operations, on June 30 and July 1, 2009, a total of 3 vapor extraction well pairs (VE-1S/D, VE-2S/D, and VE-3S/D), 2 vapor monitoring well pairs (VM-1S/D and VM-3S/D), and 1 shallow vapor monitoring well (VM-4S) were installed at the Site. The well pairs were designated as "S" for shallow and "D" for deep, corresponding to total depths of about 6 feet and 10 feet below ground surface (bgs), respectively. The sole exception to these depths occurred at well pair VM-3S/D, where the shallow and deep wells were extended to approximately 9 and 13 feet bgs. Figure 2 depicts the locations of the wells installed.

Per approval from the ACHCSA, well pairs VM-2S/D and vapor monitoring well VM-5D originally discussed in the workplan were not installed as part of the IRA activities. However, per ACHCSA's request, shallow well VM-4S was installed within the currently unoccupied suite which separates the existing Crow Canyon Dry Cleaners and the Montessori School (see Figure 2); previously, this unoccupied suite was a part of the Montessori School, but the school's usage of this area was reportedly ceased in July 2008. Per discussions with the ACHCSA, VM-4S was considered a key well in monitoring the effectiveness of IRA activities and the goal of minimizing potential PCE impacts near the Montessori School.

Prior to drilling, a drilling permit was obtained from the Zone 7 Water Agency (No. 29036). Also, a Health and Safety Plan (HSP) was prepared, the boring locations were marked, and Underground Service Alert (USA) was notified. Private utility clearance was also conducted.

Vapor wells were installed at the Site using hollow stem augers and hand augers by Gregg Drilling of Martinez, California, a state-licensed driller. The wells were installed in accordance with the work plan and addendum. Well installation included field adjustments for a shallower water table and changes in grade that affected one well pair (VM-3S/D); this well was relocated due to utility conflicts to a location approximately feet higher than the other wells (see Figure 3). Due to the high density of utilities and the risk of widening the holes with augers, all of the shallow wells except VM-3S were completed using a hand auger. All of the other wells were cleared for utilities with hand augers and then completed with hollow stem augers fitted to a limited access drill rig.

Groundwater was consistently encountered at approximately 8 feet bgs at the sidewalk and dry cleaners floor, corresponding to a layer containing gravels. Therefore, the screened intervals of these deep wells extended from 5.5 to 9.5 feet bgs (0.020 slot) and the sand pack (#3 sand) from 5 to 10 feet bgs. Approximately two feet of bentonite was placed above the sand pack and then after hydrating the bentonite, neat cement grout was placed in the annular space to near the surface. A locking well box was cemented in place over each well.

For shallow wells, as proposed in the work plan addendum, the well screen (0.020 slot) extended from 2.5 to 5.5 feet bgs, with the sand pack (#3 sand) from 2 to 6 feet bgs. About one foot of bentonite was placed above the sand pack and then neat cement grout to near the surface.

The exceptions to the above occurred at well VM-3D, located about 3 feet higher than the sidewalk grade, and at VE-1S, which was approximately 0.5-foot higher than the sidewalk grade. At well VM-3D, groundwater was measured at about 10.5 feet bgs and the total well depth constructed was 12.5 feet bgs, with the screen extending from 8 to 12 feet bgs. At well VE-1S, the total depth of the well was 6.5 feet, with the screen extending from 3 to 6 feet bgs. The well construction details of these wells are identical to the methodology for the other wells, and are shown on the boring logs (see Appendix A).

The drill cuttings and soils retrieved by hand auger were examined for lithologic information and evidence of contamination. Also, the interval from five (5) to nine (9) feet in all of the deep wells, and from five (5) to thirteen (13) feet in VM3-D, was continuously cored with geoprobe rods. A photo-ionization detector was used to screen the soils and the results were recorded on the boring logs. No obvious evidence of contamination such as odors or staining was observed during drilling.

The subsurface conditions encountered beneath the pavement generally included approximately one foot of sand and gravel base rock, followed by silt (ML), clayey silt (ML), and silty clay (CL). A distinct gravelly zone was encountered consistently at about eight feet below the sidewalk grade and corresponded to the first encountered groundwater. The gravels were contained in a matrix of silt, clayey silt and silty clay. The subsurface conditions are shown on the boring logs (see Appendix A).

Three drums of soil and one drum of concrete were generated and stored in 55-gallon drum on site. A composite sample of the soil cuttings, designated as Comp S1, was collected and submitted to McCampbell Analytical Laboratory for disposal profiling. The sample was analyzed for EPA Method 8010 constituents and for total lead. These drums were removed by Asbury Environmental Services on October 26, 2009 to an offsite-regulated facility for disposal.

INTERIM REMEDIATION ACTIVITIES

In support of performing SVE activities, a mobile SVE system, provided by DREWELOW Remediation Equipment, Inc., was installed at the site. Before the operation of the SVE system, an air permit was obtained from the Bay Area Air Quality Management District ([BAAQMD] Plant No. 19783 and application No. 20849).

The chronology of the IRA operations is as follows: Prior to issuance of the permit, approval from the BAAQMD was obtained to perform system startup for optimization of purge volumes on July 18, 2009, followed by an 8- hour pilot test on July 29, 2009. Following receipt of the permit, the IRA SVE operations were initiated on August 4th, 2009 through October 9th, 2009. Throughout this time, weekly O&M activities and monthly sampling were conducted per the workplan addendum, allowing for evaluation of the effectiveness of the SVE operations and system performance. Following observation of a significant reduction in PCE concentrations in vapor monitoring wells and a significant reduction in the mass removal rate from the SVE system, the SVE system operations were terminated on October 9th, 2009. On October 13, 2009, the ACHCSA was notified of the system shut-down and plans for a post-

remediation round of sampling, which took place approximately one month after system shutdown. The post-remediation sampling yielded insignificant rebound in PCE concentrations in all site wells, with the remaining levels of PCE occurring at below commercial/industrial ESLs. A more detailed description of the activities taking place throughout the above time frame is summarized below.

SVE OPERATIONS

The SVE system was installed on July 18, 2009 and was initially started to ensure system functionality and optimization of purge volume rates. This was followed by for an 8-hour pilot test on July 29, 2009; the pilot test allowed for adjustments to well-specific extraction rates to maximize area of influence, and confirmation that vapor was being adequately removed from the system. The pilot test was followed by approximately 2.5 months of SVE operations as an IRA from August 4th through October 9th, 2009. Activities performed during pilot test and longer IRA SVE operations are summarized in the table below.

Both the pilot test and longer-term IRA SVE operations were conducted by extracting vapor from wells VE-1S, VE-1D, VE-2S, VE-2D, VE-3S, and VE-3D. On September 1, 2009, per concurrence from ACHCSA, vapor extraction was also started at well VM-3S due to elevated PCE concentrations observed at this well. This was done based on O&M observations suggesting maximization of mass removal through initiation of extraction at this location.

Date	Activities	Reference
July 18, 2009	Soil Vapor Purge Test: 1, 3, and 7 casing volumes of soil vapor were purged at vapor extraction wells VE-1S and VE-1D, located adjacent to former boring SB-11, which historically reported the Site maximum PCE soil vapor concentration of 380,000 micrograms per cubic meter (ug/m3). Three casing volumes was used as the optimum purge volume for the site.	Appendix C.
July 29, 2009	Baseline vapor sampling.	Appendix C.
July 30, 2009	8-hour SVE Pilot Test. Collected vapor samples from extraction wells.	Appendix C.
August 4, 2009	SVE system started.	
August 11, 2009	Set timer to control the operation on a 12-hour on and 12-hour off frequency per City of Dublin's requirement. Collected field parameters.	Appendix B.
August 18, 209	Weekly O&M. Collected field parameters.	Appendix B.
August 24, 209	Weekly O&M. Collected field parameters.	Appendix B.
September 1, 2009	Vapor sampling after 1-month operation of the SVE system.	Appendices B and C.
September 28, 2009	Vapor sampling after 2-month operation of the SVE system.	Appendices B and C.
October 9, 2009	Operation of the SVE system ended.	
November 4, 2009	Rebound test. Vapor sampling after approximately 1-month shutdown of the SVE system.	Appendices B and C.

Field procedures implemented followed those outlined in the ACHCSA-approved workplans (Terra Vac, 2008) and the letter addendum (LRM, 2009). The vapor flow rates and the vacuum extracted from the vapor extraction wells were recorded during each site visit and presented in Appendix B. Vapor samples were collected monthly using 1-litre Summa canister provided by the laboratory. Laboratory analytical reports are included as Appendix C.

It should be noted that from the start of the IRA activities through August 4, 2009 until October 9, 2009, due to noise concerns and per the request by the City of Dublin (City), Endpoint constructed a noise reduction board to cover the mobile SVE system and a timer to control the operation time. Per the City's strict request, the system was operated from 9 AM to 5 PM on Mondays through Saturdays, and off on Sundays.

SVE O&M RESULTS

Between August 4th, 2009 and October 9th, 2009, soil vapor extraction was conducted for approximately 592 hours. An estimated total of 0.111 pound of PCE was extracted from the wells throughout this period (see Table 2).

In order to meet discharge permit requirements, vapor effluent sampling was conducted on July 30, September 1, and September 28, 2009. PCE was not detected in any vapor effluent samples and the vapor sample results met all requirements for air discharge permit. Vapor effluent sampling data are presented in Appendix C and summarized in Table 1.

Three vapor quality sampling events were conducted prior to the initiation of ongoing SVE operations on August 4, 2009. These three events were used to represent baseline conditions for the IRA activities and included samples collected on July 18th, 2009 (during initial system purge test), July 29th, and July 30th, 2009 (see Table 1). The combined results from these baseline events indicated that the higher PCE concentrations occurred predominantly in shallow vapor extraction and monitoring wells, with levels exceeding the commercial/industrial ESL of 1,400 ug/m^3 at several locations. Importantly, vapor monitoring well VM-4S, located within the currently unoccupied suite (formerly part of the Montessori School), contained the highest PCE concentration (9,800 and 10,000 ug/m^3) in the baseline samples. Elevated PCE concentrations were also detected in wells located in the former dry cleaning machine area (e.g, PCE at 5,900 ug/m^3 at VE-2S) and in adjacent areas (e.g, VE-3S, VE-3D) during the 8-hour pilot test (see Table 1). Baseline PCE concentrations in select deep wells increased during the 8-hour pilot test, reflecting migration of PCE vapors from shallow areas and areas immediately adjacent to extraction wells.

With After one month of SVE operation (from August 4th, 2009 through September 1st, 2009), vapor samples were once again collected at all six extraction wells on September 1, 2009 (see Table 1). The highest PCE concentration was detected from extraction well VE-1D, located about 10 feet northwest of the dry cleaning machine, at a concentration of 300 ug/m^3. This

and all other detected PCE concentrations during after one month of TCE operations declined to below both the residential and commercial/industrial ESLs.

On September 28, 2009, approximately two months after the pilot test, vapor samples were collected at six vapor extraction and five vapor monitoring wells (see Table 1). Highest PCE concentration was detected at vapor extraction well VE-2S, inside the dry cleaner building, at a concentration of 200 ug/m^3. PCE was detected below the residential ESLs (410 ug/m^3) at all sampled wells.

On November 4, 2009, approximately one month after the shutdown of the SVE system, vapor samples were collected at six vapor extraction and five vapor monitoring wells (see Table 1). Highest PCE concentration was detected at a concentration of 970 ug/$m^{3\ in}$ a vapor sample form the vapor extraction well VE-1S, located near boring SB-11 where the historical maximum PCE was observed. PCE was detected above the residential ESL in 3 vapor samples collected from vapor extraction well pair VE-1S/D, and vapor monitoring well VE-2S.

It should be noted that a few chemicals other than PCE were also detected in both baseline and O&M soil vapor sampling events (see Appendix C); these included TCE, a primary daughter product of PCE, which was only detected in baseline samples at levels (less than 6 ug/m^3) well below its residential ESL (1,200 ug/m^3); TCE remained below the laboratory reporting limits in all subsequent O&M and post-remediation samples collected to date. Importantly, vinyl chloride, another daughter product of PCE, has not been detected above the laboratory reporting limits in soil vapor samples to date. Similarly, no other daughter products of TCE were detected in any of the soil vapor samples.

Several chemicals unrelated to PCE and dry cleaning operations were also detected during the baseline and O&M sampling. At the end of the IRA activity (i.e., during the post-remediation round of vapor sampling on November 4, 2009), the detected chemicals unrelated to dry cleaning operations included acetone, carbon disulfide, cyclohexane, ethylbenzene, hexane, and tetrahydrofuran. Acetone and ethylbenzene, which are not associated with site operations, were detected at below their respective residential ESLs. The other detected chemicals, including tetrahydrofuran, are also unrelated to Site operations and are not listed as chemicals of concern for vapor intrusion by the RWQCB (2008); hence, no corresponding ESLs have been developed for them.

Based on the above observations, PCE is the only site-related chemical detected above ESLs and is considered the primary chemical of potential concern (COPC) at the Site.

DISCUSSION

The pilot test results indicated that the SVE system was highly effective in reducing the PCE concentrations present beneath the Site (see Figure 3). Specifically, prior to initiation of SVE operations, PCE concentrations in the dry cleaning machine area (herein referred to as "source area") and at several adjacent locations occurred at elevated concentrations well above the commercial/industrial ESLs (see Figure 3). This included a maximum PCE concentration of 10,000 ug/m^3 in VM-4S located adjacent to the Montessori School. However, after one month and two months month of SVE operations, PCE concentrations reduced significantly, with all detected concentrations present below the commercial/industrial ESL; this included a significant reduction of PCE from 10,000 ug/m^3 to 180 ug/m^3 at VM-4S (see Figure 3). Also worth noting is that after one month of SVE operation, PCE concentrations in the SVE system influent approximated 560 ug/m^3, but reduced to 280 ug/m^3 after the second month of SVE operations; this corresponded to a SVE system mass flow rate which reduced from 4,10 ug/day to 2,866 ug/day between the first and second months of SVE operations. Hence, the significantly reduced PCE concentrations in the Site wells and the reduction in PCE mass removal provided the basis for cessation of SVE operations after two months.

As shown on Figure 3, samples collected one month after cessation of SVE operations indicate a slight rebound in PCE concentrations; however, relative to the maximum detected PCE concentrations detected in samples collected prior to system operations, all but one post-remediation sample contained PCE at lower levels. More importantly, PCE concentrations in all post-remediation samples remained below the commercial/industrial ESL. Also worth noting is that the PCE concentration at VM-4S, located adjacent to the Montessori School remains at a residual level of 310 ug/m^3, which is also below the residential ESL of 410 ug/m^3. In fact, only three PCE detections in post-remediation samples occurred at above residential ESLs; these were limited to extraction wells in the dry cleaning machine area. All other locations away from this area remain below residential ESLs.

Based on the above results, the SVE operation has met its primary objective of PCE concentration reduction in both the source area and near the Montessori School. The system operational data (e.g, mass removal rates and influent samples) indicated that continued operation of the SVE system yields minimal returns in terms of mass removal. One round of post-remediation monitoring has indicated that continued presence of PCE at levels below relevant screening levels. As discussed during the January 20, 2010 meeting with ACHCSA, additional monitoring is recommended to further evaluate post-remediation conditions. This proposed monitoring is summarized below.

PROPOSED SOIL VAPOR MONITORING

To further evaluate the effectiveness of the SVE operations on reducing PCE concentrations, three additional rounds of post-remediation monitoring is proposed at the Site. The proposed vapor monitoring events will be conducted toward the end of the rainy season (March), during the spring season (June), and in the dry season (September) to monitor the trend/stability of vapor concentrations. Together with the one round of post-remediation sampling already conducted in

November 2009, the proposed monitoring will allow for evaluation of seasonal effects on soil vapor concentrations throughout four consecutive quarters.

The proposed vapor sampling includes collection of photoionization detector (PID) readings in all existing monitoring and vapor extraction wells at the Site during each of the three sampling events. In addition, collection of vapor samples is proposed from 5 wells during each event. These include wells VM-4S, VE-1S/D, VE-2S, and VE-3S (see Figure 4). The rational for well selections is summarized below:

VM-4S: this well is located nearest to the Montessori School, contained the highest PCE concentration in the baseline sampling, and showed a marked reduction to below Residential ESLs in the O&M and post-remediation sampling event. It is also located adjacent to the existing sewerline backfill and can be highly useful in assessing the potential for preferential migration of PCE over time.

VE-1S/D: this well pair (shallow and deep) is located within the residual source area and contained the highest PCE concentrations after completion of the IRA activities.

VE-2S: this well is in the vicinity of the former dry cleaning machine and the residual source area.

VE-3S: this well is located in between wells VM-4S and VE-1S/D to monitor the PCE concentration in the vicinity of the preschool.

It should be noted that should PID readings in the wells not proposed for sampling show elevated levels of VOCs and/or an increasing trend between events, an immediate recommendation will be made to the ACHCSA to conduct sampling in any such wells.

All proposed vapor samples will be collected using summa canisters following the ACHCSA-approved procedures outlined in the previously-approved workplan addendum (Endpoint, 2009) in the same manner as handled during the IRA. Vapor samples will be analyzed for 8010 list using EPA TO-15 method. A brief quarterly sampling report will be submitted to the ACHCSA following completion of each sampling event.

As discussed with the ACHCSA during the January 20, 2010 meeting, Endpoint proposes to screen the vapor monitoring results from the proposed monitoring versus the highly conservative soil vapor ESLs adopted by the RWQCB (2008). Specifically, consistent with the land use at the dry cleaner, screening of commercial/industrial ESLs are proposed for samples from wells located within the dry cleaner and areas immediately adjacent to it. As a conservative measure, residential ESLs are proposed for samples from areas immediately adjacent to the Montessori school. The proposed screening versus the ESLs is considered highly conservative for the following reasons:

- Both residential and commercial/industrial ESLs are based on the highly conservative assumption that subsurface soils correspond to high-permeable, transmissive sands which promote vapor migration. In comparison, actual site data indicate the consistent presence of low-permeability silts and clays from the ground surface to a depth of 8 feet bgs, where

the water table occurs. Hence, site-specific screening levels would result in significantly higher values than the conservative ESLs;

- Default building dimensions used in development of ESLs correspond to 10 feet (width) by 10 feet (length) by and 8 feet (height). Under actual site conditions, both the dry cleaner and the Montessori school buildings are characterized by larger building dimensions which would increase the site-specific screening level.

- Use of a residential ESL for screening of detected concentrations at the Montessori School is considered highly conservative since actual exposure duration and frequency at the school would be significantly lower than those conservatively assumed under residential land use.

PUBLIC PARTICIPATION

Per the ACHCSA's request, a public participation program was implemented at the Site. Specifically, in September 2009, the original Fact Sheet for the Site was updated with information regarding the IRA activities and was to an ACHCSA-approved list of potentially interested parties comprised of occupants in the vicinity of the Site and parents of school children at the Montessori School. Following distribution, one response was fielded an interested party inquiring about the significance, if any, of the environmental impacts; this response was forwarded to the ACHCSA.

With the IRA activities now completed, the Fact Sheet will be further updated and redistributed to the previously identified recipient list.

CLOSING

Following concurrence from the ACHCSA, the proposed monitoring will be implemented, with the first sample targeted to occur in March 2010. As discussed during the January 2010 meeting with the ACHCSA, following completion of the three proposed rounds of soil vapor monitoring, a Corrective Action Plan (CAP) will be prepared, outlining proposed actions for the Site. The CAP will evaluate remedial alternatives, including a no-action alternative, for the Site, will evaluate PCE concentrations at the Site with respect to final cleanup goals for the Site, and will set forth recommendations for future site activity.

As always, we appreciate your assistance with this project. If you have any questions, please contact Jing Heisler at 415-342-3713 or at jing@endpoint-inc.com or Mehrdad Javaher at 415-706-8935, or at mehrdad@endpoint-inc.com.

Sincerely,
Endpoint Consulting, Inc.

Jing Heisler, PG, CHG
Senior Geologist

Mehrdad Javaher, Ph.D(cand.), MPH
Principal Risk Assessor

Attachments:

Table 1 - PCE Analytical Results in Soil Vapor - SVE Pilot Test
Table 2 - PCE Mass Removed during Pilot Test

Figure 1 – Site Vicinity Map
Figure 2 – Vapor Extraction and Monitoring Well Locations
Figure 3 – PCE Concentration Changes During IRA
Figure 4 – Proposed Vapor Monitoring Locations after IRA

Appendix A – Vapor Well Logs
Appendix B – Field Data Sheets During IRA
Appendix C – Laboratory Analytical Reports of Vapor Samples Collected During IRA

References:

Terra Vac, 2008. *Soil Vapor Extraction and Pilot Test Work Plan*, Crow Canyon Cleaners, Dublin, California, Terra Vac. 9 June 2008

Endpoint, 2009. *Letter Addendum to the 9 June 2008 Terra Vac Soil Vapor Extraction Pilot Test Work Plan*, Crow Canyon Cleaners Site, 7272 San Ramon Road, Dublin, California, February 11, 2009

TABLES

Table 1
PCE Analytical Results in Soil Vapor - During IRA

Crow Canyon Dry Clenaers
7272 San Ramon Road,
Dublin, California

Well I.D.	PCE Concentration (ug/m^3)					
	7/18/2009 Purging Test (1,3,7 PV)	7/29/2009 BASELINE	7/30/09 SVE Pilot Test	9/1/2009 1 Month after operation of SVE system	9/28/2009 2 Months after operation of SVE system	11/4/09 ~ 1 month after shutdown of SVE system
VE-1S	570, 1200, 630	-	220	23	<14	970
VE-1D	95, 310,420	-	110	300	<14	770
VE-2 S	-	1000	**5900**	<14	200	500
VE-2D	-	7.1J	1100	<14	<14	350
VE-3S	-	<72	**2000, 2200**	30	38	<14
VE-3D	-	<73	**3800**	24	51	<14
VM-1S	-	<73	-	-	<14	20
VM-1D	-	160	-	-	16	140
VM-3S	-	**8100**	-	-	55	81
VM-3D	-	34J	-	-	<14	300
VM-4S	-	**9800, 10000**	-	-	180	310
Carbon Influent	-	-	-	560	280	-
Carbon Effluent			<73	<14	<14	-
ESLs Residential Exposure: 410 ug/m^3						
ESLs Commercial/Industrial Land Use: 1,400 ug/m^3						

Abbreviations:
IRA = Interim Remedial Action
SVE = Soil Vapor Extraction
PV = Purge Volume
ug/m^3 = microgram per cubic meter
"-" = not available or not sampled
"<" = less than laboratory reporting limit
ESLs = Environmental Screening Levels developed by RWQCB, San Francisco Bay Region, May 2008 (Table E).

Note:
Number in **red and bold** is greater than the commercial/industrial ESL.

Table 2
PCE Mass Removed during IRA
Crow Canyon Cleaners
7272 San Ramon Rd., Dublin, CA

Operation Period	Operation Times		Vapor Extraction Flow Rate at Influent (2)		PCE Vapor Concentration at Influent	PCE Mass Removal Rate	PCE Mass Removed as Vapor (3)	Cumulative PCE Mass Removed as Vapor
	(meter hours)	(hours operated)	(CFM)	(m^3/hr)	(µg/m^3)	(ug/day)	(lbs)	(lbs)
8/4/2009 (1)	5103.5	--	--	--	--	--	--	--
8/4/09 to 9/1/09	5417.83	314.33	105.20	176.74	560	4,100	0.068	0.068
9/1/09 to 10/9/09	5624.38	278.55	147.00	246.96	280	2,866	0.042	0.111

Abbrevation:

IRA = Interim Remedial Action

PCE = tetrachlorethene

SCFM = standard cubic feet per minute (ft^3/min)

lbs = Pounds

"--" = not available or not applicable

Notes:

(1) system starting time according to field note (appendix A).

(2) average flow rate is used based on weekly readings (see field data sheet).

(3) Mass removed during an operating period was calculated using the equation below:

M=C x Q x t

M= cumulative mass removed (pounds)

C= vapor concentration (µg/m^3)

Q = extraction flow rate (m^3/hr)

t= operational period (hr)

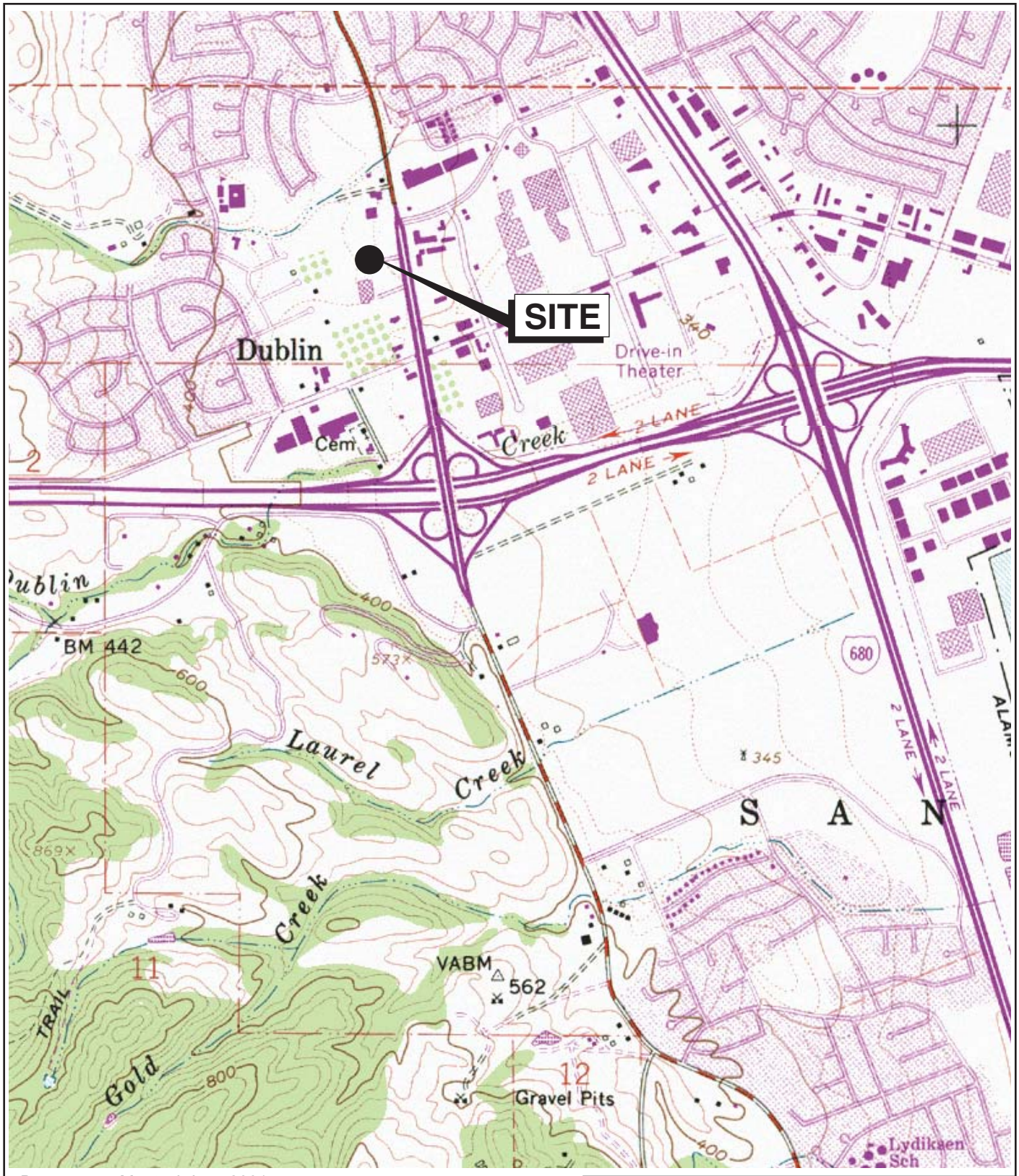
conversion factor:

1 ft^3 = 0.028 m^3

1 hr = 60 min

1 µg = 2.2E-0 lbs

FIGURES



Base map: Maptech Inc., 2001

N

0 1/4 1/2

Scale (Miles)

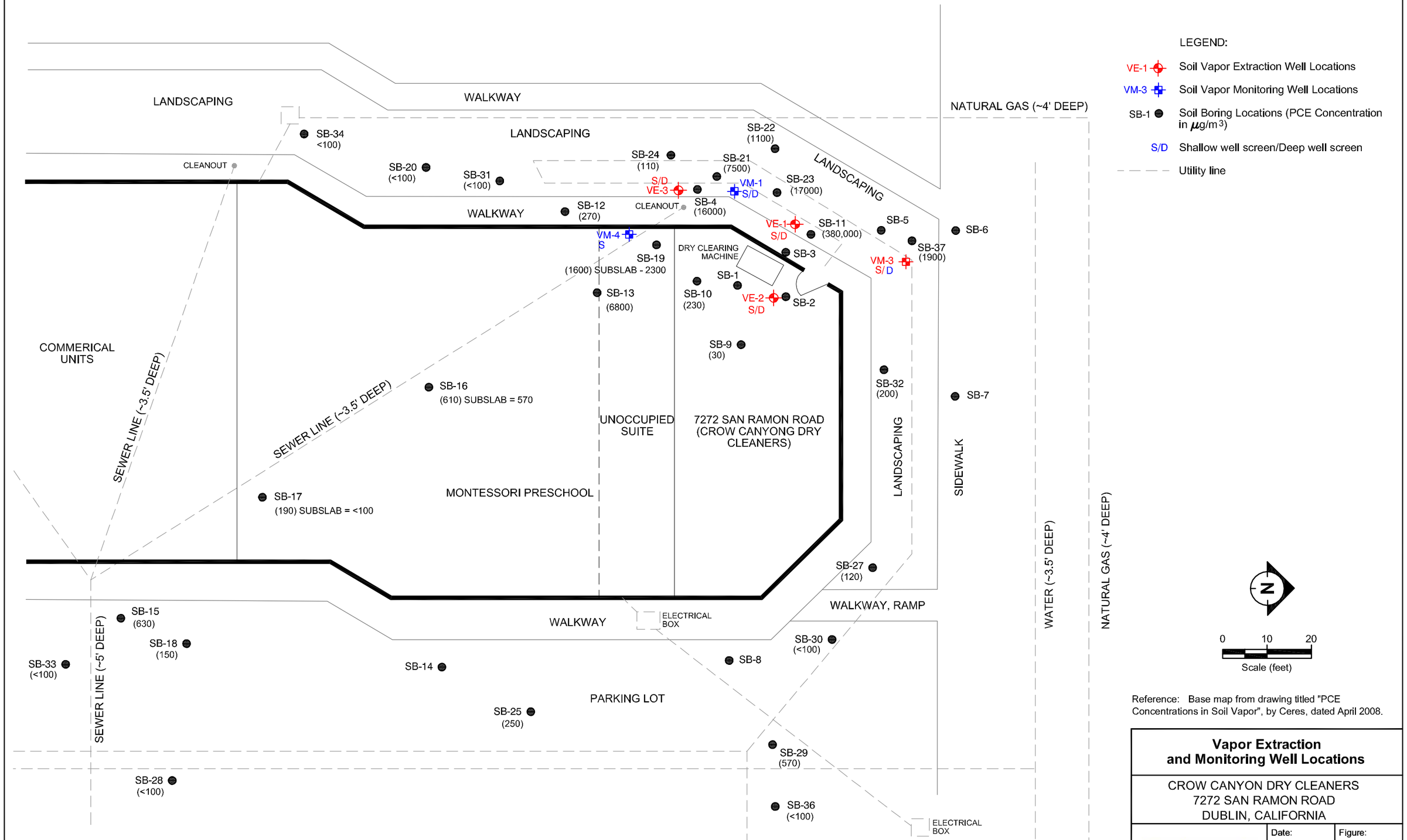
SITE LOCATION MAP

CROW CANYON DRY CLEANERS
7272 SAN RAMON ROAD
DUBLIN, CALIFORNIA

Endpoint.
Strategy. Science. Sustainability.

Date: 2/10/2009

Figure: 1



Reference: Base map from drawing titled "PCE Concentrations in Soil Vapor", by Ceres, dated April 2008.

Vapor Extraction and Monitoring Well Locations

CROW CANYON DRY CLEANERS
7272 SAN RAMON ROAD
DUBLIN, CALIFORNIA

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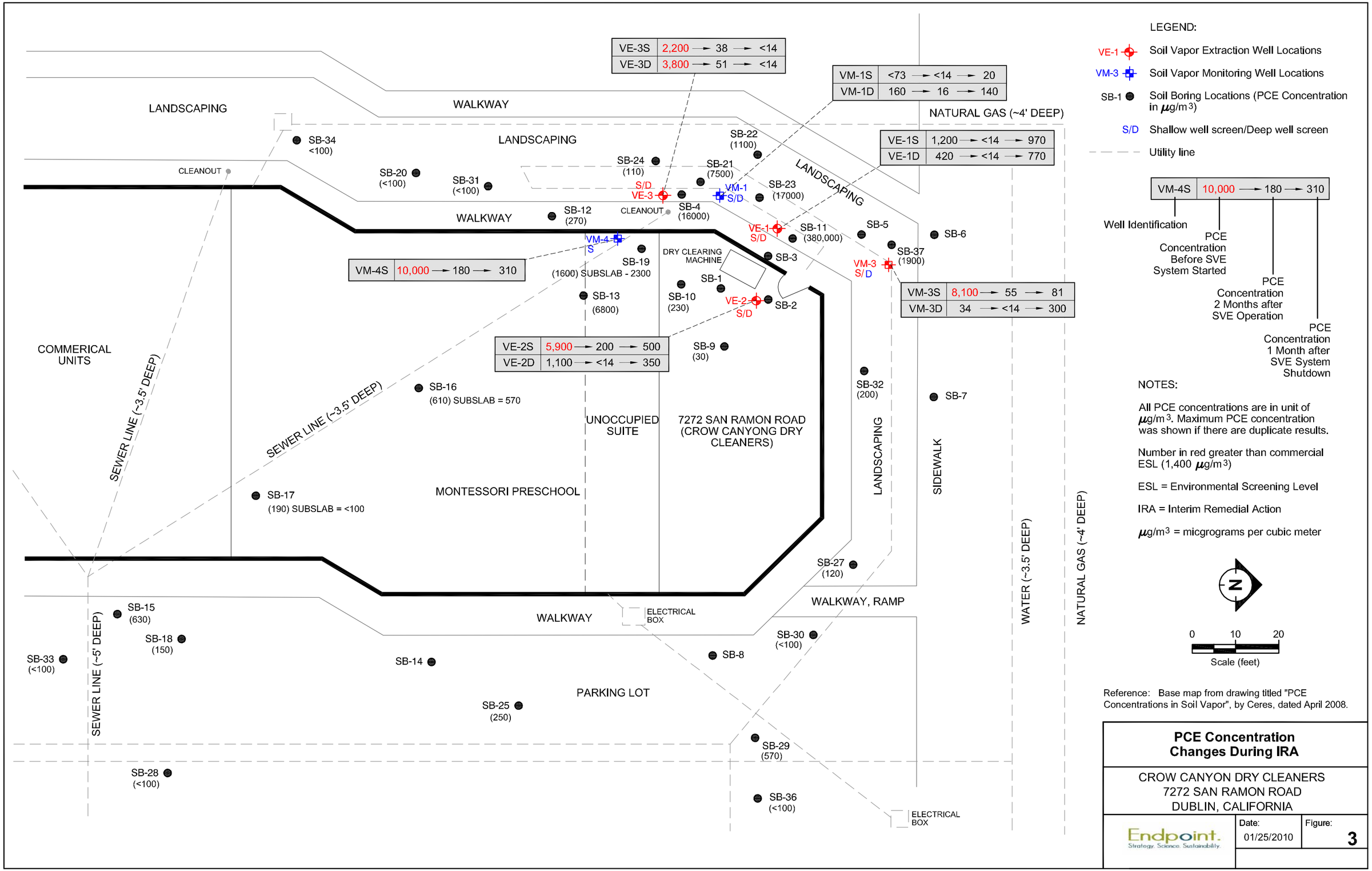
Date: 01/25/2010

Figure: 2



Reference: Base map from drawing titled "PCE Concentrations in Soil Vapor", by Ceres, dated April 2008.

PCE Concentration Changes During IRA

CROW CANYON DRY CLEANERS
7272 SAN RAMON ROAD
DUBLIN, CALIFORNIA

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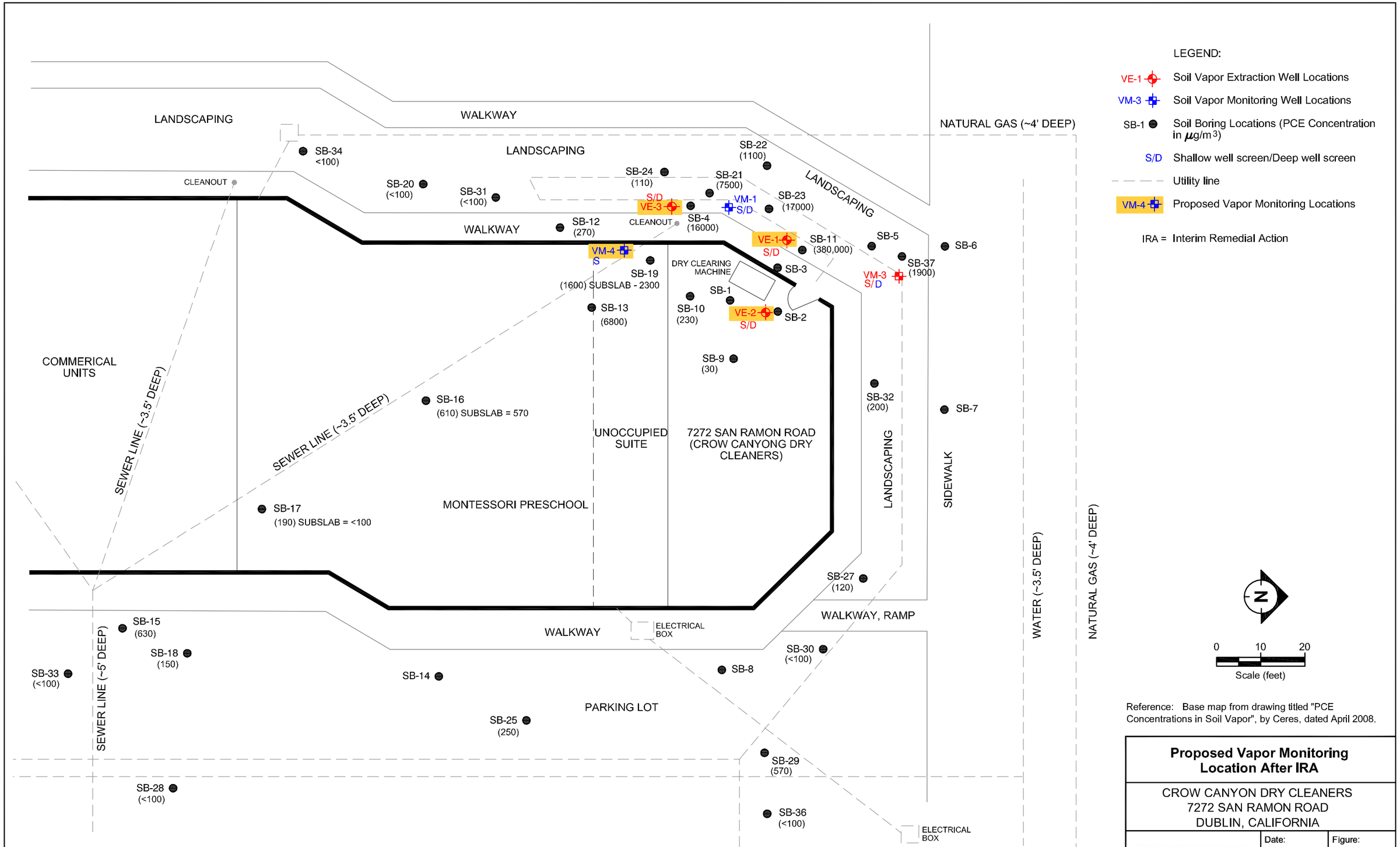
Date: 01/25/2010

Figure: 3



LEGEND:

- VE-1 — Soil Vapor Extraction Well Locations
- VM-3 — Soil Vapor Monitoring Well Locations
- SB-1 — Soil Boring Locations (PCE Concentration in $\mu g/m^3$)
- S/D — Shallow well screen/Deep well screen
- Utility line
- VM-4 — Proposed Vapor Monitoring Locations

IRA = Interim Remedial Action

N

0 10 20

Scale (feet)

Reference: Base map from drawing titled "PCE Concentrations in Soil Vapor", by Ceres, dated April 2008.

Proposed Vapor Monitoring Location After IRA

CROW CANYON DRY CLEANERS
7272 SAN RAMON ROAD
DUBLIN, CALIFORNIA

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Date: 01/25/2010

Figure: 4

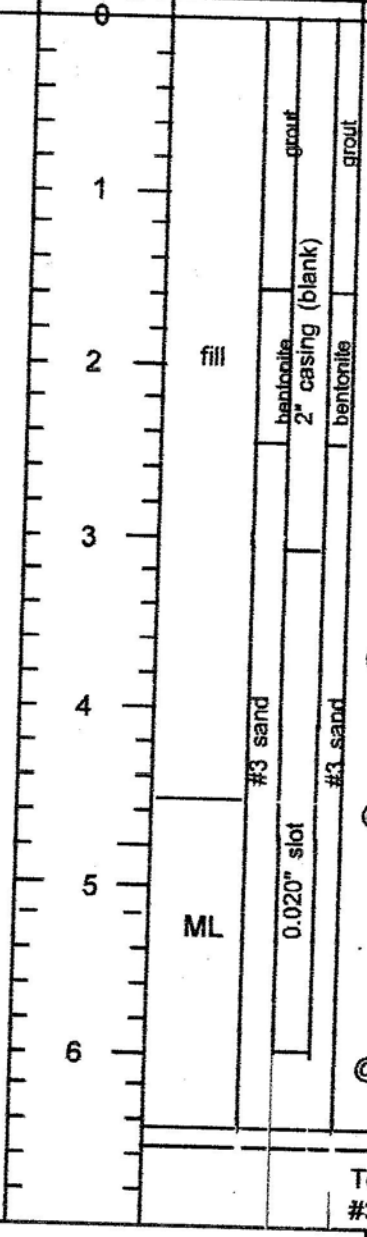
Appendix A

Vapor Well Logs

BORING LOG

Permit No. 29036	Boring & casing diameter 7"/2"	Logged By: Joel Greger
Project: 7272 San Ramon Rd., Dublin, CA .	Well Casing Elevation: NA	Date drilled: 6-30-09
Well No. VE1-S	Drilling Method: hand auger	Drilling Company: Gregg Drilling

Other notes	G.W. level	Sample Depth (ft)	Stratigraphy (USCS)	Description
		0	fill	@ 0' - topsoil and silt, sand and gravel base rock (fill), extending to 4.5' (backfill for storm drain).
		1		
		2		
		3		@ 3.7' - side of 14" storm drain pipe visible in sidewall.
		4		
		5	ML	@ 4.5' - Brown clayey sandy silt (ML), moist, stiff (native).
		6		@ 6' - Brown clayey sandy silt (ML), as above.



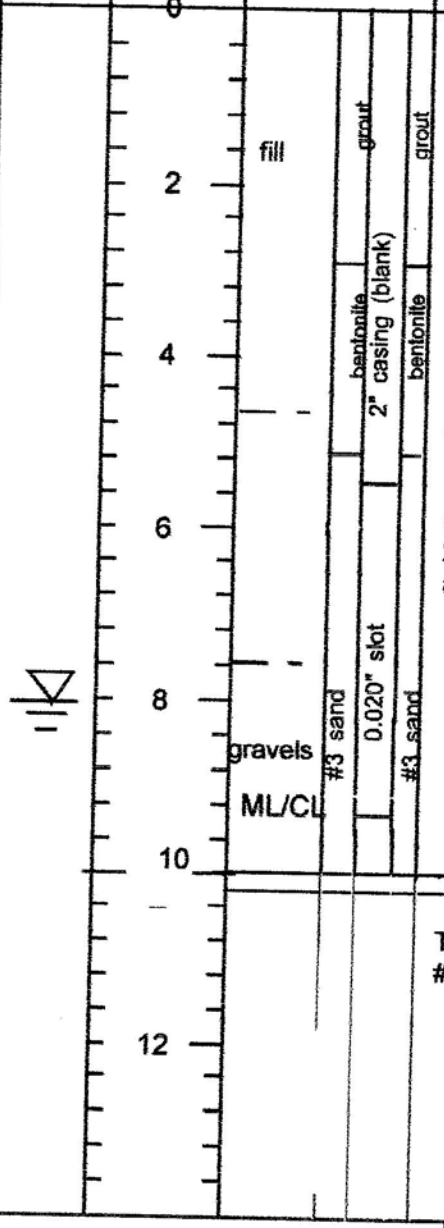
Total Depth: 6.5'. Two inch casing with 0.020 slot 3-6, #3 sand 2.5-6.5', bentonite 1.5-2.5', neat cement 0-1.5'.

Crow Canyon Cleaners 7272 San Ramon Rd. Dublin, CA	VE1-S	Date: 7-3-09 Drawn By: JG

BORING LOG

Permit No. 29036	Boring & casing diameter 7"/2"	Logged By: Joel Greger
Project: 7272 San Ramon Rd., Dublin, CA .	Well Casing Elevation: NA	Date drilled: 7-1-09
Well No. VE1-D	Drilling Method: hand auger	Drilling Company: Gregg Drilling

Other notes	G.W. level	Sample Depth (ft)	Stratigraphy (USCS)	Description
PID		0		@ 0' - topsoil and silt, sand and gravel base rock (fill), extending to 4.5' (backfill).
		2	fill	
		4		@ 3' - side of white pvc pipe visible in sidewall (irrigation water?).
1.7 ppm @ 5'				@ 5' - Brown silt (ML), moist, stiff, homogenous, rootlets.
		6		@ 7.5' - locally wet around gravels. Estimated at up to 20 to 25% fractured gravels to 1-1/4" diameter, saturated at 8'. Grades to clayey silt/silty clay (ML/CL), v. moist, stiff.
		8		
11.5 ppm @ 9'			gravels ML/CL	
		10		Total Depth: 10'. Two inch casing with 0.020 slot 5.5-9.5, #3 sand 5-10', bentonite 3-5', neat cement 0-3'.
		12		



Crow Canyon Cleaners 7272 San Ramon Rd. Dublin, CA	VE1-D	Date: 7-2-09 Drawn By: JG

BORING LOG

Permit No. 29036	Boring & casing diameter 7"/2"	Logged By: Joel Greger
Project: 7272 San Ramon Rd., Dublin, CA .	Well Casing Elevation: NA	Date drilled: 6-30-09
Well No. VE2-S	Drilling Method: hand auger	Drilling Company: Gregg Drilling

Other notes	G.W. level	Sample Depth (ft)	Stratigraphy (USCS)	Description
PID 0.7 ppm @ 0.5'		0 1 2	fill	@ 0' - 5" concrete slab then v. fine to fine-grained sand with gravel (fill). @ 2' - Brown silt (ML), moist, stiff, homogenous.
11.1 ppm @ 2.5'		3	ML	@ 3' - grades to brown clayey silt (ML), moist, stiff, homogenous.
4.3 ppm @ 5'		4 5 6		@ 5' - Brown clayey silt (ML) as above.

Total Depth: 6'. Two inch casing with 0.020 slot 2.5-5.5, #3 sand 2-6', bentonite 1-2', neat cement 0-1'.

Crow Canyon Cleaners 7272 San Ramon Rd. Dublin, CA	VE2-S	Date: 7-3-09 Drawn By: JG

BORING LOG

Permit No. 29036	Boring & casing diameter 7"/2"	Logged By: Joel Greger
Project: 7272 San Ramon Rd., Dublin, CA .	Well Casing Elevation: NA	Date drilled: 7-1-09
Well No. VE2-D	Drilling Method: hand auger	Drilling Company: Gregg Drilling

Other notes	G.W. level	Sample Depth (ft)	Stratigraphy (USCS)	Description
PID		0	fill	@ 0' = 9" of topsoil and clay and silt with gravel (fill).
				@ 9" - Silty clay (CL), greenish brown, mosit, stiff, homogenous.
		2	CL	
			fill	@ 3' - Sandy silt with occasional gravel (backfill for storm drain), sand v. fine-grained, rounded gravels to 3" diameter.
		4	ML	@ 4' - Brown clayey silt (ML), moist, stiff, homogenous.
				@ 5' - Brown silt (ML), moist, stiff, occasional subangular (fractured) gravels to 1/2" diameter.
		6		
				@ 7,5' - Grades to brown silty clay (CL), medium plasticity, v. moist, stiff, homogenous.
0 ppm @ 7.5'	▽	8	gravels	@ 8-8.5' - Gravelly zone with estimated 5-10% subangular (fractured) gravels to 1/2" diameter, occasional gravels to 2.5" diameter. Saturated at 8', in matrix of silty clay (CL).
0.4 ppm @ 9'			CL	@ 8.5-10' - Estimated at 10-15% gravels, rounded, to 1.5" diameter.'.
		10		
				Total Depth: 10'. Two inch casing with 0.020 slot 5.5-9.5, #3 sand 5-10', bentonite 3-5', neat cement 0-3'.
		12		

grout
bentonite
#3 sand
2" casing (blank)
0.020" slot
#3 sand
bentonite
grout

Crow Canyon Cleaners 7272 San Ramon Rd. Dublin, CA	VE2-D	Date: 7-2-09 Drawn By: JG

BORING LOG

Permit No. 29036	Boring & casing diameter 7"/2"	Logged By: Joel Greger
Project: 7272 San Ramon Rd., Dublin, CA .	Well Casing Elevation NA:	Date drilled: 6-30-09
Well No. VE3-S	Drilling Method: hand auger	Drilling Company: Gregg Drilling

Other notes	G.W. level	Sample Depth (ft)	Stratigraphy (USCS)	Description
		0	fill	@ 0' - 9" of topsoil and clay and silt with gravel (fill).
		1		
		2	CL	@ 2' - Brown silty clay (CL), moist, stiff, homogenous, roots.
		3		@ 3' - Sandy silty clay (CL), moist, stiff, sand v. fine-grained, moist, stiff.
		4		@ 3.5 - 6' - Silty clay (CL), moist, stiff, medium plasticity.
4.3 ppm @ 5'		5		
		6		Total Depth: 6'. Two inch casing with 0.020 slot 2.5-5.5, #3 sand 2-6', bentonite 1-2', neat cement 0-1'.

grout
bentonite
2" casing (blank)
#3 sand
0.020" slot
grout
bentonite
#3 sand

Crow Canyon Cleaners 7272 San Ramon Rd. Dublin, CA	VE3-S	Date: 7-3-09 Drawn By: JG

BORING LOG

Permit No. 29036	Boring & casing diameter 8"/2"	Logged By: Joel Greger
Project: 7272 San Ramon Rd., Dublin, CA .	Well Casing Elevation: NA	Date drilled: 7-1-09
Well No. VE3-D	Drilling Method: geoprobe, hollow stem auger	Drilling Company: Gregg Drilling

Other notes	G.W. level	Sample Depth (ft)	Stratigraphy (USCS)	Description
PID		0		@ 0' - 9" of topsoil and clay and silt with gravel (fill).
		2	CL	@ 2' - Brown silty clay (CL), moist, stiff, homogenous, roots.
				@ 3' - Sandy silty clay (CL), moist, stiff, sand v. fine-grained, moist, stiff.
		4		@ 3.5 - Silty clay (CL), moist, stiff, medium plasticity.
2.8 ppm @ 5'		6		
		8	gravels	@ 7.5 - 8.5' - Large fractured gravel to 1.5" diameter at 7.5'., then estimated at 5% subangular gravels to 3/8" diameter. Saturated at 8'.
9,1 ppm @ 9'			ML/CL	@ 8.5' - Massive clayey sillt/silty clay (ML/CL), saturated, stiff.
		10		Total Depth: 10'. Two inch casing with 0.020 slot 5.5-9.5, #3 sand 5-10', bentonite 3-5', neat cement 0-3'.
		12		

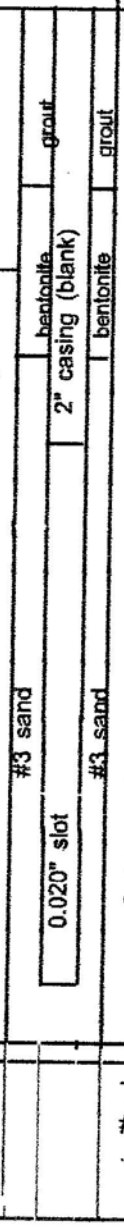
grout
bentonite
2" casing (blank)
grout
bentonite
#3 sand
0.020" slot
#3 sand

Crow Canyon Cleaners 7272 San Ramon Rd. Dublin, CA	**VE3-D**	Date: 7-2-09 Drawn By: JG

BORING LOG

Permit No. 29036	Boring & casing diameter 7"/2"	Logged By: Joel Greger
Project: 7272 San Ramon Rd., Dublin, CA .	Well Casing Elevation: NA	Date drilled: 6-30-09
Well No. VM1-S	Drilling Method: hand auger	Drilling Company: Gregg Drilling

Other notes	G.W. level	Sample Depth (ft)	Stratigraphy (USCS)	Description
		0	fill	@ 0' - topsoil and sand and gravel base rock.
		1		
		2	ML	@ 1.5' - Brown clayey silt (ML), moist, stiff, with subrounded pebbles to 1/2" diameter.
		3		@ 3' - as above.
		4		@ 4.5' - Brown silty clay (CL), v. moist, stiff, homogenous.
		–		A 5' - as above.
		5	CL	@ 6' - As above except a few rounded pebbles to 1/8" diameter.
		6		Total Depth: 6'. Two inch casing with 0.020 slot 2.5-5.5, #3 sand 2-6', bentonite 1-2', neat cement 0-1'.

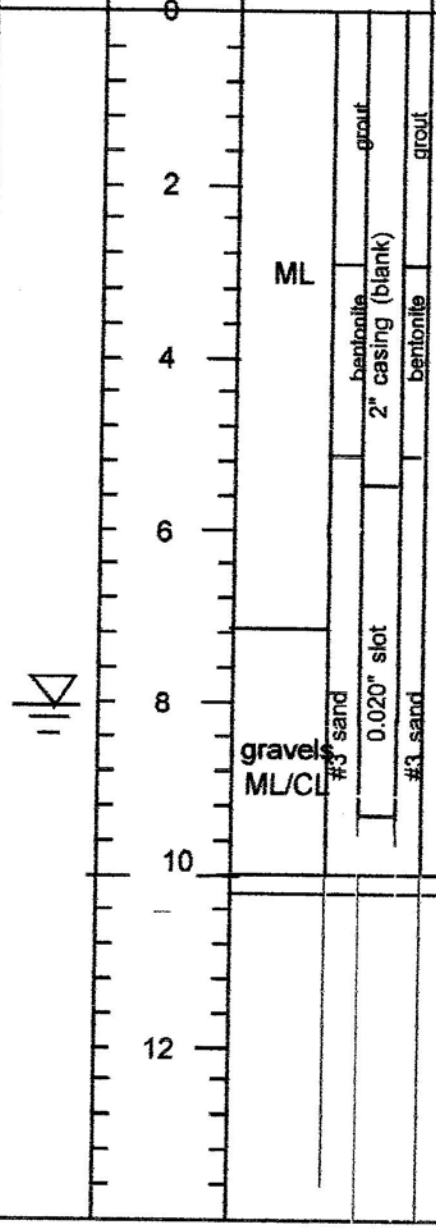


Crow Canyon Cleaners 7272 San Ramon Rd. Dublin, CA	VM1-S	Date: 7-3-09 Drawn By: JG

BORING LOG

Permit No. 29036	Boring & casing diameter 7"/2"	Logged By: Joel Greger
Project: 7272 San Ramon Rd., Dublin, CA .	Well Casing Elevation: NA	Date drilled: 7-1-09
Well No. VM1-D	Drilling Method: hand auger	Drilling Company: Gregg Drilling

Other notes	G.W. level	Sample Depth (ft)	Stratigraphy (USCS)	Description
PID		0		@ 0' - topsoil and sand and gravel base rock.
		2	ML	@ 1.5' - Brown clayey silt (ML), moist, stiff, with subrounded pebbles to 1/2" diameter.
		4		@ 3' - as above.
10.5 ppm @ 5'		6		@ 4.5' - Brown silt (ML), v. moist, stiff, occasional sub-angular (fractured) gravels to 1/2" diameter.
				@ 7' - grades to clayey silt/silty clay (ML/CL), v. moist, stiff.
19.5 ppm @ 8'		8	gravels ML/CL	@ 8' - saturated. increased gravel content, estimated at 10-15% subrounded gravel, 1.5" gravel at 8.8'.
11 ppm @ 9'		10		Total Depth: 10'. Two inch casing with 0.020 slot 5.5-9.5, #3 sand 5-10', bentonite 3-5', neat cement 0-3'.
		12		

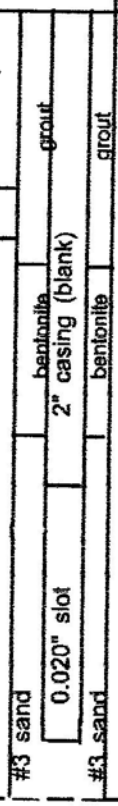


Crow Canyon Cleaners 7272 San Ramon Rd. Dublin, CA	VM1-D	Date: 7-2-09 Drawn By: JG

BORING LOG

Permit No. 29036	Boring & casing diameter 8"/2"	Logged By: Joel Greger
Project: 7272 San Ramon Rd., Dublin, CA .	Well Casing Elevation:	Date drilled: 7-1-09
Well No. VM3-S	Drilling Method: hand auger, hollow stem auger	Drilling Company: Gregg Drilling

Other notes	G.W. level	Sample Depth (ft)	Stratigraphy (USCS)	Description
		0	ML	@ 0" - 3-4" of topsoil and roots, then brown silt (ML), moist, stiff, abundant roots and large angular gravels.
		2	fill	@ 2' - Tan fine to medium-grained sand with gravel, moist, dense, backfill?
			ML	@ 2.5' - Dark brown clayey silt (ML), moist, stiff, with angular gravels (fill).
		4		@ 5' - Brown silt (ML), moist, stiff, occasional subrounded pebbles to 1/2" diameter, native, continuing to total depth.
		6		@ 7' - Grades to brown v. fine-grained sandy silt (ML), moist, stiff.
		8		@ 8' - Grades to brown clayey silt (ML), moist, stiff.
		10		Total Depth: 9'. Two inch casing with 0.020 slot 5.5-8.5, #3 sand 5-9', bentonite 3-5', neat cement 0-3'.
		12		

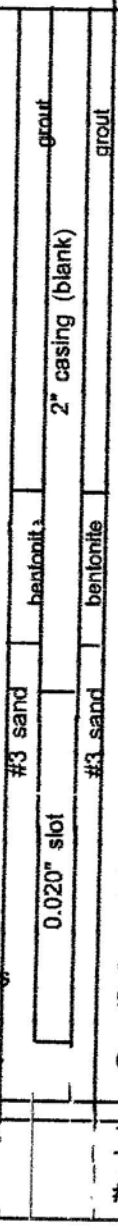


Crow Canyon Cleaners 7272 San Ramon Rd. Dublin, CA	VM3-S	Date: 7-3-09 Drawn By: JG

BORING LOG

Permit No. 29036	Boring & casing diameter 8"/2"	Logged By: Joel Greger
Project: 7272 San Ramon Rd., Dublin, CA .	Well Casing Elevation: NA	Date drilled: 7-1-09
Well No. VM3-D	Drilling Method: geoprobe, hollow stem auger	Drilling Company: Gregg Drilling

Other notes	G.W. level	Sample Depth (ft)	Stratigraphy (USCS)	Description
PID		0	ML	@ 0" - 3-4" of topsoil and roots, then brown silt (ML), moist, stiff, abundant roots and large angular gravels.
		2	fill	@ 2' - Tan fine to medium-grained sand with gravel, moist, dense, backfill?. @ 2.5' - Dark brown clayey silt (ML), moist, stiff, with angular gravels (fill)
17.8 ppm @ 5'		4	ML	@ 5' - Brown silt (ML), moist, stiff, occasional subrounded pebbles to 1/2" diameter, native, continuing to total depth.
		6		@ 7' - Grades to brown v. fine-grained sandy silt (ML), moist, stiff.
3.8 ppm @ 9'		8		@ 8' - Grades to brown clayey silt (ML), moist, stiff.
	▽	10		@ 10' - Brown clayey silt (ML), occasional subrounded gravels to 1.5" diameter, saturated at 10.5'
			gravels	@ 10.7-12.5' - Clayey sandy silt with gravel, sand v. fine-grained, estimated at 15% subrounded gravels to 1" diameter.
0.6 ppm @ 12.5'		12	ML/CL	@ 12.5' - Brown clayey silt (ML), few gravels, saturated.



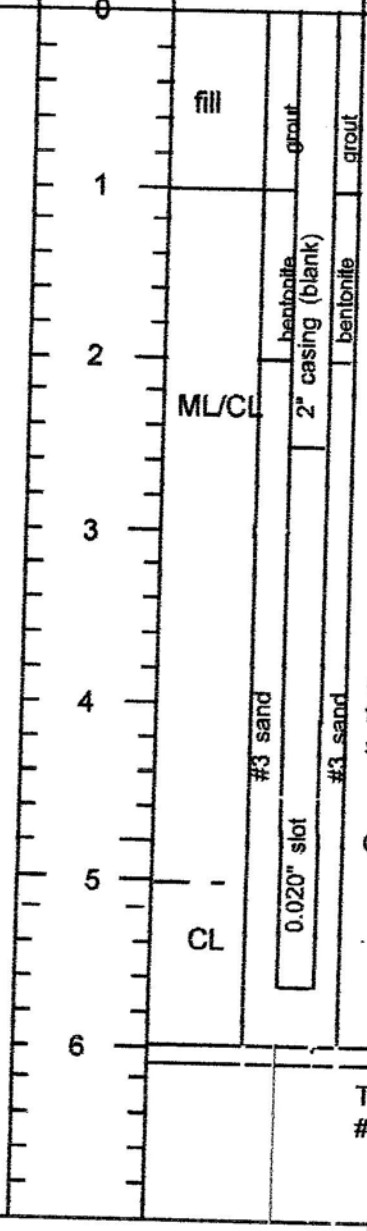
Total Depth: 12.5'. Two inch casing with 0.020 slot 8-12', #3 sand 7.5-12.5', bentonite 5.5-7.5", neat cement 0-5.5'.

Crow Canyon Cleaners 7272 San Ramon Rd. Dublin, CA	VM3-D	Date: 7-2-09 Drawn By: JG

BORING LOG

Permit No. 29036	Boring & casing diameter 7"/2"	Logged By: Joel Greger
Project: 7272 San Ramon Rd., Dublin, CA .	Well Casing Elevation:	Date drilled: 6-30-09
Well No. VM4-S	Drilling Method: hand auger	Drilling Company: Gregg Drilling

Other notes	G.W. level	Sample Depth (ft)	Stratigraphy (USCS)	Description
		0	fill	@ 0" - 6" of concrete slab over 6" of sand and gravel base.
		1		@ 1' - Brown clayey silt/silty clay (ML/CL), moist, stiff, homogenous.
		2	ML/CL	
		3		
		4		@ 4' - Brown clayey silt/silty clay (ML/CL) as above with a few subrounded to subangular pebbles to 1/4" diameter, moist, stiff.
		5	CL	@ 5' - Predominantly clayey silt (CL), medium plasticity.
		6		Total Depth: 6'. Two inch casing with 0.020 slot 2.5-5.5, #3 sand 2-6', bentonite 1-2', neat cement 0-1'.



Crow Canyon Cleaners 7272 San Ramon Rd. Dublin, CA	VM4-S	Date: 7-3-09 Drawn By: JG

Appendix B

Field Data Sheets During IRA

Data Sheet

weather	clear	Date	8/4/09	time	8:10
Total water	0	Hours	5103.50	carbon pressure C1 ~	C2 0

Well	Vacuum	DTW	Flow rate	Temp	PID Reading	Notes
VE-1s	7.6	—	15 cfm	67	0.5	
VE-1d	7.8	~~DRY~~	15 cfm	67	0.1	
VE-2s	6.0	—	12 cfm	69	0.2	
VE-2d	6.0	8.89	11 cfm	69	0.6	
VE-3s	6.0	—	16 cfm	70	0.3	
VE-3d	6.0	9.10	16 cfm	70	0.4	
VM-1s	0.6	—	—	—	~~0.5~~	
VM-1d	0.4	~~9.05~~ DRY	—	—	~~0.1~~	
VM-3s	0.0	—	—	—	—	
VM-3d	0.0	DRY	—	—	—	
VM-4s	0.4	—	—	—	—	
Inf	—	—	85	68°	6 ppm	
Eff	—	—	85	68°	0	

Field Notes

Start System

Endpoint.
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Data Sheet

weather	Clear 88°	Date	8/11/09	time	8:00
Total water	0	Hours	5263.97	carbon pressure C1	0 C2 0

Well	Vacuum	DTW	Flow rate	Temp	PID Reading	Notes
VE-1s	7.4	—	25cfm	69	0.5	
VE-1d	7.3	Dry	25cfm	67	0.6	
VE-2s	5.9	—	17 cfm	66	0.7	
VE-2d	6.0	8.95	17 cfm	70	0.8	
VE-3s	5.5	—	10 cfm	71	1.3	
VE-3d	5.3	8.65	24 cfm	72	1.1	
VM-1s	0.6	—	—	—	—	
VM-1d	0.1	8.70	—	—	—	
VM-3s	0.0	—	—	—	—	
VM-3d	0.0	Dry	—	—	—	
VM-4~~5~~	0.6	—	—	—	—	
Inf	—	—	120	72	3.2	
Eff	—	—	120	86	0	

Field Notes

Set timer to meet City requirements 7:30-8:00 PM

Endpoint.
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Data Sheet

weather	clear 79°	Date	8/18/09	time	8:00
Total water	0	Hours	5325.87	carbon pressure C1 0.5 C2 0.5	

Well	Vacuum	DTW	temp ~~Flow rate~~	Flow ~~Temp~~	PID Reading	Notes
VE-1s	7.5	—	68	25 cfm	1.1	
VE-1d	7.2	Dry	67	30 cfm	0.8	
VE-2s	5.9	—	69	~~[illegible]~~	0.9	(Remove from system Friday 8/14/09 required by City)
VE-2d	5.6	8.50	72	~~[illegible]~~	1.3	
VE-3s	5.7	—	75	25 cfm	1.1	
VE-3d	5.2	~~[illegible]~~ 9.0	73	15 cfm	0.3	
VM-1s	0.6	—	—	—	—	
VM-1d	0.4	8.85	—	—	—	
VM-3s	0.0	—	—	—	—	
VM-3d	0.0	~~[illegible]~~ Dry	—	—	—	
VM-4s	0.6	—	—	—	—	
Inf	—	—	120	88	1.2	
Eff	—	—	120	66	0.0	

Field Notes

Endpoint.
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Data Sheet

weather	clear 83°	Date	8/24/09	time	10:10
Total water	Ø	Hours	5380.92	carbon pressure C1 0 C2 0	

Well	Vacuum	DTW	~~Flow rate~~ Temp	~~Temp~~ Flow	PID Reading	Notes
VE-1s	8.1	—	69.5	36 CFM	0.9	
VE-1d	8.0	Dry	70.1	36 CFM	1.2	
VE-2s	7.6	—	69.9	—	0.8	Plumbed back to System
VE-2d	7.1	8.52	71.2	—	0.0	(Remove Per City requirement)
VE-3s	5.0	—	70.1	22 CFM	0.9	
VE-3d	5.1	9.02	68.1	22 CFM	1.3	
VM-1s	0.8	—	—	—	—	
VM-1d	0.0	8.86	—	—	—	
VM-3s	0.0	—	—	—	—	
VM-3d	0.0	~~Dry~~	—	—	—	
VM-4~~6~~	0.5	—	—	—	—	
Inf	—	—	~~68.0~~	~~110~~	2.4	
Eff	—	—	~~68.1~~	~~110~~	0.0	

Field Notes

Plumbed VM3s to system at 1800 8/24/09

Endpoint.
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Data Sheet

weather	clear 79°	Date	9/1/09	time	8:00 AM
Total water	Ø	Hours	54417.83	carbon pressure C1 0	C2 0

Well	Vacuum	DTW	Flow rate	Temp	PID Reading	Notes
VE-1s	6.0	—	15 cfm	66.7	1.0	
VE-1d	6.0	Dry	15 cfm	67.0	0.8	
VE-2s	6.2	—	15 cfm	69.9	1.2	
VE-2d	6.8	8.85	17 cfm	66.1	1.5	
VE-3s	7.8	—	19 cfm	66.7	0.9	
VE-3d	7.2	9.0	20 cfm	66.8	1.1	
VM-1s	0.0	—	—	—	—	
VM-1d	0.8	8.95	—	—	—	
VM-3s	6.0	—	—	65	1 min	1st week Plumbed to system
VM-3d	0	Dry	—	—	—	
VM-4	0.5	—	20 cfm	—	—	
Inf	—	—	115	66.7	2.1	
Eff	—	—	115	89	0	

Field Notes

Sampled VE Wells and Inf-Eff for August per work plan.

Endpoint.
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Data Sheet

weather	Clear	Date	9/28/2009	time	08:30 AM

Total water	0	Hours	5624.38	carbon pressure C1=0 psi	C2= 0 psi

Well	Vacuum (PSIG)	DTW	Flow rate (CFM)	Temp (F)	PID Reading (PPM)	Notes
VE-1s	4.0	Dry	14	65	0.5	
VE-1d	4.0	Dry	19	64	0.5	
VE-2s	5.6	Dry	14	65	0.8	
VE-2d	5.2	Dry	20.8	65	0.7	
VE-3s	5.4	Dry	15	65	0.2	
VE-3d	5.6	9.30	19	65	0.5	
VM-4s	0.2	Dry	N/A	N/A	0.7	
VM-1s	0.2	Dry	N/A	N/A	0.4	
VM-1d	0.2	Dry	N/A	N/A	0.4	
VM-3s	4.0	Dry	16	64	0.6	
VM-3d	0.0	Dry	N/A	N/A	0.5	
Inf	N/A	N/A	147	85	0.9	
Eff	N/A	N/A	118	100	0	

Field Notes

Endpoint.
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Data Sheet

weather	Clear	Date	11/4/2009	time	07:30 AM

Total water	0	Hours	5777.32	carbon pressure C1=0 psi	C2= 0 psi

Well	Vacuum (PSIG)	DTW	Flow rate (CFM)	Temp (F)	PID Reading (PPM)	Notes
VE-1s	N/A	Dry	N/A	N/A	0.5	
VE-1d	N/A	Dry	N/A	N/A	0.3	
VE-2s	N/A	Dry	N/A	N/A	0.6	
VE-2d	N/A	8.14	N/A	N/A	0.5	
VE-3s	N/A	Dry	N/A	N/A	0.5	
VE-3d	N/A	8.87	N/A	N/A	0.5	
VM-4s	N/A	Dry	N/A	N/A	0.2	
VM-1s	N/A	Dry	N/A	N/A	0.5	
VM-1d	N/A	8.15	N/A	N/A	0.5	
VM-3s	N/A	Dry	N/A	N/A	1.0	
VM-3d	N/A	Dry	N/A	N/A	0.6	
Inf	N/A	N/A	N/A	N/A	N/A	
Eff	N/A	N/A	N/A	N/A	N/A	

Field Notes

Endpoint.
Strategy. Science. Sustainability.

Appendix C

Laboratory Analytical Reports of Vapor Samples Collected During IRA

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Endpoint 1534 Plaza Lane #243 Burlingame, CA 94010	Client Project ID: Dublin Dry Cleaner	Date Sampled: 07/18/09
		Date Received: 07/18/09
	Client Contact: Ram Rao	Date Reported: 07/24/09
	Client P.O.:	Date Completed: 07/24/09

WorkOrder: 0907487

July 24, 2009

Dear Ram:

Enclosed within are:

1) The results of the **6** analyzed samples from your project: **Dublin Dry Cleaner,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0907487

McCAMPBELL ANALYTICAL INC.

1534 Willow Pass Road
Pittsburg, CA 94565-1701
www.main@mccampbell.com
Telephone: (925) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAY
EDF Required? Coelt (Normal) No Write On (DW) No

Report To: RAM RAO	Bill To: RAM RAO
Company: END POINT INC.	
	E-Mail: RAM@ENDPOINT-INC.com
Tele: ( )	Fax: ( )
Project #:	Project Name: Dublin Dry cleaner
Project Location: Dublin CA	
Sampler Signature:	

Lab Use Only

Pressurized By	Date	Pressurization Gas N2	Pressurization Gas He

Notes:

Field Sample ID (Location)	Collection Date	Collection Time	Canister SN#	Sampler Kit SN#	Analysis Requested	Indoor Air	Soil Gas	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
VE-1S 1 Purge Volume	7/18	9:30	5800	—	TOC-15		X	28.5	2.0		
VE-1S 3 Purge Volume	7/18	955	6202	—	TOC-15		X	28.5	2.0		
VE-1S 7 Purge Vol.	7/18	10:25	5804	—	TOC-15		X	28.5	2.0		
VE-1D 1 Purge Vol	7/18	8:05	5801	—	TOC-15		X	29.0	2.5		
VE-1D 3 Purge Vol	7/18	8:30	6169	—	TOC-15		X	28.5	2.0		
VE-1D 7 Purge Vol	7/18	9:09	5806	—	TOC-15		X	28.5	2.0		

Relinquished By:	Date:	Time:	Received By:
	7/18	11:40	Manuel Mendoza
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Temp (°C): N/A Work Order #: 0907487
Condition: good
Custody Seals Intact?: Yes ____ No ____ None ✓
Shipped Via: Client Drop In

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0907487 **ClientCode: EPB**

☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Ram Rao
Endpoint
1534 Plaza Lane #243
Burlingame, CA 94010
510-593-5382 FAX

Email: ram@endpoint-inc.com
cc:
PO:
ProjectNo: Dublin Dry Cleaner

Bill to:
Accounts Payable
Endpoint
1534 Plaza Lane #243
Burlingame, CA 94010
cage2usa@aol.com

Requested TAT: 5 days

Date Received: **07/18/2009**
Date Printed: **07/20/2009**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0907487-001	VE-1S 1 Purge Volume	Soil Vapor	7/18/2009 9:30	☐	A											
0907487-002	VE-1S 3 Purge Volume	Soil Vapor	7/18/2009 9:55	☐	A											
0907487-003	VE-1S 7 Purge Volume	Soil Vapor	7/18/2009 10:25	☐	A											
0907487-004	VE-1D 1 Purge Volume	Soil Vapor	7/18/2009 8:05	☐	A											
0907487-005	VE-1D 3 Purge Volume	Soil Vapor	7/18/2009 8:30	☐	A											
0907487-006	VE-1D 7 Purge Volume	Soil Vapor	7/18/2009 9:09	☐	A											

Test Legend:

1	TO15_SOIL(UG/M3)	2		3		4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A contain testgroup.

Prepared by: Melissa Valles

Comments: Logged in 7/20/09

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **Endpoint**

Date and Time Received: **07/18/09 11:40:00 AM**

Project Name: **Dublin Dry Cleaner**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0907487** Matrix Soil Vapor

Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp:		NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☐	No ☑	

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Endpoint	Client Project ID: Dublin Dry Cleaner	Date Sampled: 07/18/09
		Date Received: 07/18/09
1534 Plaza Lane #243	Client Contact: Ram Rao	Date Extracted: 07/23/09
Burlingame, CA 94010	Client P.O.:	Date Analyzed: 07/23/09

Leak Check Compound*

Extraction method: TO15 Analytical methods: TO15 Work Order: 0907487

Lab ID	Client ID	Matrix	Initial Pressure	Final Pressure	Isopropyl Alcohol	DF	% SS	Comments
001A	VE-1S 1 Purge Volume	Soil Vapor	13.25	26.48	ND	1	N/A	
002A	VE-1S 3 Purge Volume	Soil Vapor	13.25	26.5	ND	1	N/A	
003A	VE-1S 7 Purge Volume	Soil Vapor	13.24	26.44	ND	1	N/A	
004A	VE-1D 1 Purge Volume	Soil Vapor	13.56	27.1	ND	1	N/A	
005A	VE-1D 3 Purge Volume	Soil Vapor	13.47	26.88	ND	1	N/A	
006A	VE-1D 7 Purge Volume	Soil Vapor	13.31	26.54	ND	1	N/A	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	psia	psia	NA	NA
	Soil Vapor	psia	psia	10	µg/L

* leak check compound is reported in µg/L. The IPA reference is DTSC, Advisory-Active Soil Gas Investigations, January 28, 2003, page 10, section 2.4.2:

"Tracer compounds, such as ...isopropanol..., may be used as leak check compounds, if a detection limit of 10 ug/L or less can be achieved."
This implies that 10 µg/L is the cut off definition for a leak, which equals 10,000 µg/m³.
The other low IPA hits may be due to extremely small leaks or may be naturally occuring in soil gas, particularly at biologically active sites.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Endpoint	Client Project ID: Dublin Dry Cleaner	Date Sampled: 07/18/09
		Date Received: 07/18/09
1534 Plaza Lane #243	Client Contact: Ram Rao	Date Extracted: 07/23/09
Burlingame, CA 94010	Client P.O.:	Date Analyzed 07/23/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0907487

Lab ID	0907487-001A	Initial Pressure (psia)	13.3
Client ID	VE-1S 1 Purge Volume	Final Pressure (psia)	26.5
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	140	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	20	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	9.9	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	17	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	570	1.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	36	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	104	%SS2:	109
%SS3:	105		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: Dublin Dry Cleaner	Date Sampled: 07/18/09
		Date Received: 07/18/09
1534 Plaza Lane #243	Client Contact: Ram Rao	Date Extracted: 07/23/09
Burlingame, CA 94010	Client P.O.:	Date Analyzed 07/23/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0907487

Lab ID	0907487-002A	Initial Pressure (psia)	13.3
Client ID	VE-1S 3 Purge Volume	Final Pressure (psia)	26.5
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	15	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	13	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	1200	1.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	32	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	103	%SS2:	109
%SS3:	105		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Telephone: 877-252-9262 Fax: 925-252-9269

Endpoint	Client Project ID: Dublin Dry Cleaner	Date Sampled: 07/18/09
		Date Received: 07/18/09
1534 Plaza Lane #243	Client Contact: Ram Rao	Date Extracted: 07/23/09
Burlingame, CA 94010	Client P.O.:	Date Analyzed 07/23/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0907487

Lab ID	0907487-003A	Initial Pressure (psia)	13.2
Client ID	VE-1S 7 Purge Volume	Final Pressure (psia)	26.4
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	630	1.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	14	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	101	%SS2:	106
%SS3:	101		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Endpoint	Client Project ID: Dublin Dry Cleaner	Date Sampled: 07/18/09
		Date Received: 07/18/09
1534 Plaza Lane #243	Client Contact: Ram Rao	Date Extracted: 07/23/09
Burlingame, CA 94010	Client P.O.:	Date Analyzed 07/23/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0907487

Lab ID	0907487-004A	Initial Pressure (psia)	13.6
Client ID	VE-1D 1 Purge Volume	Final Pressure (psia)	27.1
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	39	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	8.4	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	45	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	9.9	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	95	1.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	40	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	101	%SS2:	110
%SS3:	105		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: Dublin Dry Cleaner	Date Sampled: 07/18/09
		Date Received: 07/18/09
1534 Plaza Lane #243	Client Contact: Ram Rao	Date Extracted: 07/23/09
Burlingame, CA 94010	Client P.O.:	Date Analyzed 07/23/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0907487

Lab ID	0907487-005A	Initial Pressure (psia)	13.5
Client ID	VE-1D 3 Purge Volume	Final Pressure (psia)	26.9
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	120	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	34	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	19	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	310	1.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	41	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	100	%SS2:	111
%SS3:	105		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: Dublin Dry Cleaner	Date Sampled: 07/18/09
		Date Received: 07/18/09
1534 Plaza Lane #243	Client Contact: Ram Rao	Date Extracted: 07/23/09
Burlingame, CA 94010	Client P.O.:	Date Analyzed 07/23/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0907487

Lab ID	0907487-006A	Initial Pressure (psia)	13.3
Client ID	VE-1D 7 Purge Volume	Final Pressure (psia)	26.5
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	130	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	25	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	16	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	420	1.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	39	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	102	%SS2:	114
%SS3:	108		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: Dublin Dry Cleaner	Date Sampled: 07/18/09
		Date Received: 07/18/09
1534 Plaza Lane #243	Client Contact: Ram Rao	Date Extracted: 07/23/09
Burlingame, CA 94010	Client P.O.:	Date Analyzed 07/23/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0907487

Lab ID	0907487-001A	Initial Pressure (psia)	13.3
Client ID	VE-1S 1 Purge Volume	Final Pressure (psia)	26.5
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	59	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	4.8	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	2.7	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	4.0	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	83	1.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	9.4	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	104	%SS2:	109
%SS3:	105		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: Dublin Dry Cleaner	Date Sampled: 07/18/09
		Date Received: 07/18/09
1534 Plaza Lane #243	Client Contact: Ram Rao	Date Extracted: 07/23/09
Burlingame, CA 94010	Client P.O.:	Date Analyzed 07/23/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0907487

Lab ID	0907487-002A	Initial Pressure (psia)	13.3
Client ID	VE-1S 3 Purge Volume	Final Pressure (psia)	26.5
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	3.6	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	3.1	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	170	1.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	8.5	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	103	%SS2:	109
%SS3:	105		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: Dublin Dry Cleaner	Date Sampled: 07/18/09
		Date Received: 07/18/09
1534 Plaza Lane #243	Client Contact: Ram Rao	Date Extracted: 07/23/09
Burlingame, CA 94010	Client P.O.:	Date Analyzed 07/23/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0907487

Lab ID	0907487-003A	Initial Pressure (psia)	13.2
Client ID	VE-1S 7 Purge Volume	Final Pressure (psia)	26.4
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	91	1.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	3.7	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	101	%SS2:	106
%SS3:	101		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: Dublin Dry Cleaner	Date Sampled: 07/18/09
		Date Received: 07/18/09
1534 Plaza Lane #243	Client Contact: Ram Rao	Date Extracted: 07/23/09
Burlingame, CA 94010	Client P.O.:	Date Analyzed 07/23/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0907487

Lab ID	0907487-004A	Initial Pressure (psia)	13.6
Client ID	VE-1D 1 Purge Volume	Final Pressure (psia)	27.1
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	9.4	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	2.3	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	12	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	2.3	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	14	1.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	11	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	101	%SS2:	110
%SS3:	105		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: Dublin Dry Cleaner	Date Sampled: 07/18/09
		Date Received: 07/18/09
1534 Plaza Lane #243	Client Contact: Ram Rao	Date Extracted: 07/23/09
Burlingame, CA 94010	Client P.O.:	Date Analyzed 07/23/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0907487

Lab ID	0907487-005A	Initial Pressure (psia)	13.5
Client ID	VE-1D 3 Purge Volume	Final Pressure (psia)	26.9
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	50	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	8.1	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	4.6	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	44	1.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	11	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	100	%SS2:	111
%SS3:	105		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: Dublin Dry Cleaner	Date Sampled: 07/18/09
		Date Received: 07/18/09
1534 Plaza Lane #243	Client Contact: Ram Rao	Date Extracted: 07/23/09
Burlingame, CA 94010	Client P.O.:	Date Analyzed 07/23/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0907487

Lab ID	0907487-006A	Initial Pressure (psia)	13.3
Client ID	VE-1D 7 Purge Volume	Final Pressure (psia)	26.5
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	53	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	6.0	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	3.9	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	60	1.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	10	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	102	%SS2:	114
%SS3:	108		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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QC SUMMARY REPORT FOR TO15

W.O. Sample Matrix: Soil Vapor QC Matrix: Soil Vapor BatchID: 44642 WorkOrder 0907487

EPA Method TO15 **Extraction TO15** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	nL/L	nL/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Acrylonitrile	N/A	25	N/A	N/A	N/A	88.9	88	1.10	N/A	N/A	70 - 130	30
tert-Amyl methyl ether (TAME)	N/A	25	N/A	N/A	N/A	93.5	92	1.57	N/A	N/A	70 - 130	30
Benzene	N/A	25	N/A	N/A	N/A	88.8	87.5	1.51	N/A	N/A	70 - 130	30
Benzyl chloride	N/A	25	N/A	N/A	N/A	102	101	0.553	N/A	N/A	70 - 130	30
Bromodichloromethane	N/A	25	N/A	N/A	N/A	97.6	96.2	1.46	N/A	N/A	70 - 130	30
Bromoform	N/A	25	N/A	N/A	N/A	111	110	0.523	N/A	N/A	70 - 130	30
Bromomethane	N/A	25	N/A	N/A	N/A	90.2	87.7	2.83	N/A	N/A	70 - 130	30
1,3-Butadiene	N/A	25	N/A	N/A	N/A	85.4	89.3	4.48	N/A	N/A	70 - 130	30
t-Butyl alcohol (TBA)	N/A	25	N/A	N/A	N/A	82.6	80.9	2.12	N/A	N/A	70 - 130	30
Carbon Disulfide	N/A	25	N/A	N/A	N/A	94.8	93.8	1.04	N/A	N/A	70 - 130	30
Carbon Tetrachloride	N/A	25	N/A	N/A	N/A	97.1	96.4	0.777	N/A	N/A	70 - 130	30
Chlorobenzene	N/A	25	N/A	N/A	N/A	93.7	92.8	0.935	N/A	N/A	70 - 130	30
Chloroethane	N/A	25	N/A	N/A	N/A	82.4	75.6	8.60	N/A	N/A	70 - 130	30
Chloroform	N/A	25	N/A	N/A	N/A	93.3	92.4	1.01	N/A	N/A	70 - 130	30
Chloromethane	N/A	25	N/A	N/A	N/A	79.9	79.7	0.341	N/A	N/A	70 - 130	30
Dibromochloromethane	N/A	25	N/A	N/A	N/A	104	103	1.07	N/A	N/A	70 - 130	30
1,2-Dibromo-3-chloropropane	N/A	25	N/A	N/A	N/A	81.1	82.2	1.40	N/A	N/A	70 - 130	30
1,2-Dibromoethane (EDB)	N/A	25	N/A	N/A	N/A	96.2	95.3	0.951	N/A	N/A	70 - 130	30
1,2-Dichlorobenzene	N/A	25	N/A	N/A	N/A	86.9	87.3	0.390	N/A	N/A	70 - 130	30
1,3-Dichlorobenzene	N/A	25	N/A	N/A	N/A	92.4	91.9	0.556	N/A	N/A	70 - 130	30
1,4-Dichlorobenzene	N/A	25	N/A	N/A	N/A	86.3	86.6	0.252	N/A	N/A	70 - 130	30
Dichlorodifluoromethane	N/A	25	N/A	N/A	N/A	77.8	77.3	0.712	N/A	N/A	70 - 130	30
1,1-Dichloroethane	N/A	25	N/A	N/A	N/A	93.2	91.9	1.34	N/A	N/A	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	N/A	25	N/A	N/A	N/A	93.3	93.2	0.0965	N/A	N/A	70 - 130	30
1,1-Dichloroethene	N/A	25	N/A	N/A	N/A	96.6	95.2	1.38	N/A	N/A	70 - 130	30
cis-1,2-Dichloroethene	N/A	25	N/A	N/A	N/A	97.6	96.6	1.05	N/A	N/A	70 - 130	30
trans-1,2-Dichloroethene	N/A	25	N/A	N/A	N/A	95.8	95.6	0.146	N/A	N/A	70 - 130	30
1,2-Dichloropropane	N/A	25	N/A	N/A	N/A	96	94.3	1.85	N/A	N/A	70 - 130	30
cis-1,3-Dichloropropene	N/A	25	N/A	N/A	N/A	106	105	0.887	N/A	N/A	70 - 130	30
trans-1,3-Dichloropropene	N/A	25	N/A	N/A	N/A	117	116	0.161	N/A	N/A	70 - 130	30
1,2-Dichloro-1,1,2,2-tetrafluoroetha	N/A	25	N/A	N/A	N/A	86.2	86	0.321	N/A	N/A	70 - 130	30

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR TO15

W.O. Sample Matrix: Soil Vapor QC Matrix: Soil Vapor BatchID: 44642 WorkOrder 0907487

EPA Method TO15 **Extraction TO15** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	nL/L	nL/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Diisopropyl ether (DIPE)	N/A	25	N/A	N/A	N/A	86.7	85.6	1.27	N/A	N/A	70 - 130	30
1,4-Dioxane	N/A	25	N/A	N/A	N/A	78.7	77.3	1.84	N/A	N/A	70 - 130	30
Ethyl acetate	N/A	25	N/A	N/A	N/A	93.8	93.1	0.762	N/A	N/A	70 - 130	30
Ethyl tert-butyl ether (ETBE)	N/A	25	N/A	N/A	N/A	94.7	93.8	0.959	N/A	N/A	70 - 130	30
Ethylbenzene	N/A	25	N/A	N/A	N/A	92.9	91.9	1.03	N/A	N/A	70 - 130	30
Freon 113	N/A	25	N/A	N/A	N/A	88.6	87.3	1.47	N/A	N/A	70 - 130	30
Hexachlorobutadiene	N/A	25	N/A	N/A	N/A	96	96.2	0.129	N/A	N/A	70 - 130	30
4-Methyl-2-pentanone (MIBK)	N/A	25	N/A	N/A	N/A	89.8	88.9	0.981	N/A	N/A	70 - 130	30
Methyl-t-butyl ether (MTBE)	N/A	25	N/A	N/A	N/A	93.4	92.3	1.13	N/A	N/A	70 - 130	30
Methylene chloride	N/A	25	N/A	N/A	N/A	81.4	80.5	1.09	N/A	N/A	70 - 130	30
Naphthalene	N/A	25	N/A	N/A	N/A	74.1	77.9	4.92	N/A	N/A	70 - 130	30
Styrene	N/A	25	N/A	N/A	N/A	118	117	1.05	N/A	N/A	70 - 130	30
1,1,1,2-Tetrachloroethane	N/A	25	N/A	N/A	N/A	96.9	95.3	1.65	N/A	N/A	70 - 130	30
1,1,2,2-Tetrachloroethane	N/A	25	N/A	N/A	N/A	84.9	84.5	0.463	N/A	N/A	70 - 130	30
Tetrachloroethene	N/A	25	N/A	N/A	N/A	93.7	92.5	1.25	N/A	N/A	70 - 130	30
Tetrahydrofuran	N/A	25	N/A	N/A	N/A	78.3	77.4	1.23	N/A	N/A	70 - 130	30
Toluene	N/A	25	N/A	N/A	N/A	94.5	93.8	0.795	N/A	N/A	70 - 130	30
1,2,4-Trichlorobenzene	N/A	25	N/A	N/A	N/A	77.2	78.3	1.36	N/A	N/A	70 - 130	30
1,1,1-Trichloroethane	N/A	25	N/A	N/A	N/A	94.2	93.4	0.902	N/A	N/A	70 - 130	30
1,1,2-Trichloroethane	N/A	25	N/A	N/A	N/A	93.8	92.2	1.74	N/A	N/A	70 - 130	30
Trichloroethene	N/A	25	N/A	N/A	N/A	92.8	91.2	1.74	N/A	N/A	70 - 130	30
1,2,4-Trimethylbenzene	N/A	25	N/A	N/A	N/A	90.9	91	0.150	N/A	N/A	70 - 130	30
1,3,5-Trimethylbenzene	N/A	25	N/A	N/A	N/A	87.6	87.2	0.535	N/A	N/A	70 - 130	30
Vinyl Chloride	N/A	25	N/A	N/A	N/A	88.7	92	3.64	N/A	N/A	70 - 130	30
Xylenes	N/A	75	N/A	N/A	N/A	90.1	89.4	0.782	N/A	N/A	70 - 130	30
%SS1:	N/A	500	N/A	N/A	N/A	94	93	0.771	N/A	N/A	70 - 130	30
%SS2:	N/A	500	N/A	N/A	N/A	99	98	0.594	N/A	N/A	70 - 130	30
%SS3:	N/A	500	N/A	N/A	N/A	98	98	0	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR TO15

W.O. Sample Matrix: Soil Vapor QC Matrix: Soil Vapor BatchID: 44642 WorkOrder 0907487

EPA Method TO15 **Extraction TO15** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	nL/L	nL/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD

BATCH 44642 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0907487-001A	07/18/09 9:30 AM	07/23/09	07/23/09 1:41 PM	0907487-002A	07/18/09 9:55 AM	07/23/09	07/23/09 2:23 PM
0907487-003A	07/18/09 10:25 AM	07/23/09	07/23/09 6:53 PM	0907487-004A	07/18/09 8:05 AM	07/23/09	07/23/09 7:42 PM
0907487-005A	07/18/09 8:30 AM	07/23/09	07/23/09 8:28 PM	0907487-006A	07/18/09 9:09 AM	07/23/09	07/23/09 9:14 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

Air Toxics LTD.
Laboratory Services Since 1989

8/25/2009

Mr. Mehrdad Javaherian
Endpoint Consulting Inc.
98 Battery Street
Suite 200
San Francisco CA 94111

Project Name:
Project #:
Workorder #: 0907666BR1

Dear Mr. Mehrdad Javaherian

The following report includes the data for the above referenced project for sample(s) received on 7/30/2009 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 (5&20 ppbv) are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kyle Vagadori
Project Manager

WORK ORDER #: 0907666BR1

Work Order Summary

CLIENT:	Mr. Mehrdad Javaherian Endpoint Consulting Inc. 98 Battery Street Suite 200 San Francisco, CA 94111	**BILL TO:**	Accounts Payable Endpoint Consulting Inc. 98 Batter Street Suite 200 San Francisco, CA 94111
PHONE:	415-706-8935	**P.O. #**	
FAX:		**PROJECT #**	
DATE RECEIVED:	07/30/2009	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	08/22/2009		
DATE REISSUED:	08/24/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	VM-4S Baseline	Modified TO-15 (5&20 ppbv)	2.0 "Hg	15 psi
01AA	VM-4S Baseline Lab Duplicate	Modified TO-15 (5&20 ppbv)	2.0 "Hg	15 psi
02A	VM-3S Baseline	Modified TO-15 (5&20 ppbv)	1.5 "Hg	15 psi
03A	VM-3D Baseline	Modified TO-15 (5&20 ppbv)	2.0 "Hg	15 psi
05A	VM-1D Baseline	Modified TO-15 (5&20 ppbv)	2.0 "Hg	15 psi
06A	VM-1S Baseline	Modified TO-15 (5&20 ppbv)	2.0 "Hg	15 psi
08A	VE-3D Baseline	Modified TO-15 (5&20 ppbv)	2.0 "Hg	15 psi
09A	VE-3S Baseline	Modified TO-15 (5&20 ppbv)	1.5 "Hg	15 psi
10A	VE-2D	Modified TO-15 (5&20 ppbv)	3.5 "Hg	15 psi
11A	VE3D	Modified TO-15 (5&20 ppbv)	2.5 "Hg	15 psi
12A	VE-3S	Modified TO-15 (5&20 ppbv)	2.0 "Hg	15 psi
12AA	VE-3S Lab Duplicate	Modified TO-15 (5&20 ppbv)	2.0 "Hg	15 psi
13A	VE-2S	Modified TO-15 (5&20 ppbv)	3.0 "Hg	15 psi
16A	Carbon EFF	Modified TO-15 (5&20 ppbv)	2.0 "Hg	15 psi
17A	Lab Blank	Modified TO-15 (5&20 ppbv)	NA	NA
17B	Lab Blank	Modified TO-15 (5&20 ppbv)	NA	NA
18A	CCV	Modified TO-15 (5&20 ppbv)	NA	NA

Continued on next page

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 0907666BR1

Work Order Summary

CLIENT:	Mr. Mehrdad Javaherian Endpoint Consulting Inc. 98 Battery Street Suite 200 San Francisco, CA 94111	**BILL TO:**	Accounts Payable Endpoint Consulting Inc. 98 Batter Street Suite 200 San Francisco, CA 94111
PHONE:	415-706-8935	**P.O. #**	
FAX:		**PROJECT #**	
DATE RECEIVED:	07/30/2009	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	08/22/2009		
DATE REISSUED:	08/24/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
18B	CCV	Modified TO-15 (5&20 ppbv)	NA	NA
19A	LCS	Modified TO-15 (5&20 ppbv)	NA	NA
19B	LCS	Modified TO-15 (5&20 ppbv)	NA	NA

CERTIFIED BY: Linda D. Fruman DATE: 08/24/09

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15 Soil Gas
Endpoint Consulting Inc.
Workorder# 0907666BR1

Twelve 1 Liter Summa Canister samples were received on July 30, 2009. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 50 mLs of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Daily CCV	+- 30% Difference	</= 30% Difference with two allowed out up to </=40%.; flag and narrate outliers
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

The Chain of Custody (COC) information for samples VM-4S Baseline, VM-2D Baseline and VE-3S Baseline did not match the entries on the sample tags with regard to sample identification. Therefore the information on the COC was used to process and report the samples.

Analytical Notes

All Quality Control Limit failures and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

As per project specific client request the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. Concentrations that are below the level at which the canister was certified may be false positives.

PER CLIENT REQUEST, THE WORK ORDER WAS RE-ISSUED ON AUGUST 24, 2009 TO CORRECT SAMPLE IDENTIFICATION FOR SAMPLES VM-3S BASELINE AND VM-3D BASELINE.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction no performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS

Client Sample ID: VE-3D Baseline

Lab ID#: 0907666BR1-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	43	4.6 J	100	11 J

Client Sample ID: VE-3S Baseline

Lab ID#: 0907666BR1-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Carbon Disulfide	11	1.8 J	33	5.5 J

Client Sample ID: VE-2D

Lab ID#: 0907666BR1-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	150	3300	360	7900
2-Butanone (Methyl Ethyl Ketone)	38	14000	110	42000
Tetrahydrofuran	38	31000	110	92000
Tetrachloroethene	38	160	260	1100

Client Sample ID: VE3D

Lab ID#: 0907666BR1-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	110	4100	260	9700
2-Butanone (Methyl Ethyl Ketone)	28	9300	81	27000
Tetrahydrofuran	28	24000	81	70000
Tetrachloroethene	28	560	190	3800

Client Sample ID: VE-3S

Lab ID#: 0907666BR1-12A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	43	730	100	1700
2-Butanone (Methyl Ethyl Ketone)	11	1500	32	4600
Tetrahydrofuran	11	3400	32	10000
Tetrachloroethene	11	300	73	2000

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS

Client Sample ID: VE-3S Lab Duplicate

Lab ID#: 0907666BR1-12AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	140	790	340	1900
2-Butanone (Methyl Ethyl Ketone)	36	1600	110	4800
Tetrahydrofuran	36	3800	110	11000
Tetrachloroethene	36	320	240	2200

Client Sample ID: VE-2S

Lab ID#: 0907666BR1-13A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	220	6300	530	15000
Methylene Chloride	56	20 J	190	69 J
2-Butanone (Methyl Ethyl Ketone)	56	17000	160	50000
Tetrahydrofuran	56	34000	160	100000
Tetrachloroethene	56	870	380	5900

Client Sample ID: Carbon EFF

Lab ID#: 0907666BR1-16A

No Detections Were Found.

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Client Sample ID: VM-4S Baseline

Lab ID#: 0907666BR1-01A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**w081008**	**Date of Collection: 7/29/09 6:00:00 AM**	
Dil. Factor:	**2.16**	**Date of Analysis: 8/10/09 02:19 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	11	Not Detected	28	Not Detected
1,1-Dichloroethene	11	Not Detected	43	Not Detected
trans-1,2-Dichloroethene	11	Not Detected	43	Not Detected
cis-1,2-Dichloroethene	11	Not Detected	43	Not Detected
Trichloroethene	11	4.5 J	58	24 J
Tetrachloroethene	11	1400	73	9800

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	93	70-130

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Client Sample ID: VM-4S Baseline Lab Duplicate

Lab ID#: 0907666BR1-01AA

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**w081009**	**Date of Collection: 7/29/09 6:00:00 AM**	
Dil. Factor:	**2.16**	**Date of Analysis: 8/10/09 03:17 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	11	Not Detected	28	Not Detected
1,1-Dichloroethene	11	Not Detected	43	Not Detected
trans-1,2-Dichloroethene	11	Not Detected	43	Not Detected
cis-1,2-Dichloroethene	11	Not Detected	43	Not Detected
Trichloroethene	11	6.0 J	58	32 J
Tetrachloroethene	11	1500	73	10000

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS

Client Sample ID: VM-4S Baseline

Lab ID#: 0907666BR1-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	11	4.5 J	58	24 J
Tetrachloroethene	11	1400	73	9800

Client Sample ID: VM-4S Baseline Lab Duplicate

Lab ID#: 0907666BR1-01AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	11	6.0 J	58	32 J
Tetrachloroethene	11	1500	73	10000

Client Sample ID: VM-3S Baseline

Lab ID#: 0907666BR1-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	11	1200	72	8100

Client Sample ID: VM-3D Baseline

Lab ID#: 0907666BR1-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	11	5.0 J	73	34 J

Client Sample ID: VM-1D Baseline

Lab ID#: 0907666BR1-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	11	24	73	160

Client Sample ID: VM-1S Baseline

Lab ID#: 0907666BR1-06A

No Detections Were Found.

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: VM-3S Baseline

Lab ID#: 0907666BR1-02A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**w081010**	**Date of Collection:**	**7/29/09 6:30:00 AM**
Dil. Factor:	**2.13**	**Date of Analysis:**	**8/10/09 03:35 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	11	Not Detected	27	Not Detected
1,1-Dichloroethene	11	Not Detected	42	Not Detected
trans-1,2-Dichloroethene	11	Not Detected	42	Not Detected
cis-1,2-Dichloroethene	11	Not Detected	42	Not Detected
Trichloroethene	11	Not Detected	57	Not Detected
Tetrachloroethene	11	1200	72	8100

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	94	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: VM-3D Baseline

Lab ID#: 0907666BR1-03A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**w081011**	**Date of Collection: 7/29/09 6:55:00 AM**	
Dil. Factor:	**2.16**	**Date of Analysis: 8/10/09 04:20 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	11	Not Detected	28	Not Detected
1,1-Dichloroethene	11	Not Detected	43	Not Detected
trans-1,2-Dichloroethene	11	Not Detected	43	Not Detected
cis-1,2-Dichloroethene	11	Not Detected	43	Not Detected
Trichloroethene	11	Not Detected	58	Not Detected
Tetrachloroethene	11	5.0 J	73	34 J

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	93	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: VM-1D Baseline

Lab ID#: 0907666BR1-05A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**w081012**	**Date of Collection: 7/29/09 8:45:00 AM**	
Dil. Factor:	**2.16**	**Date of Analysis: 8/10/09 04:41 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	11	Not Detected	28	Not Detected
1,1-Dichloroethene	11	Not Detected	43	Not Detected
trans-1,2-Dichloroethene	11	Not Detected	43	Not Detected
cis-1,2-Dichloroethene	11	Not Detected	43	Not Detected
Trichloroethene	11	Not Detected	58	Not Detected
Tetrachloroethene	11	24	73	160

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: VM-1S Baseline

Lab ID#: 0907666BR1-06A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**w081013**	**Date of Collection:**	**7/29/09 8:15:00 AM**
Dil. Factor:	**2.16**	**Date of Analysis:**	**8/10/09 05:02 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	11	Not Detected	28	Not Detected
1,1-Dichloroethene	11	Not Detected	43	Not Detected
trans-1,2-Dichloroethene	11	Not Detected	43	Not Detected
cis-1,2-Dichloroethene	11	Not Detected	43	Not Detected
Trichloroethene	11	Not Detected	58	Not Detected
Tetrachloroethene	11	Not Detected	73	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	94	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: VE-3D Baseline

Lab ID#: 0907666BR1-08A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b081709**	**Date of Collection: 7/29/09 7:55:00 AM**	
Dil. Factor:	**2.16**	**Date of Analysis: 8/17/09 11:54 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	11	Not Detected	53	Not Detected
Freon 114	11	Not Detected	76	Not Detected
Chloromethane	43	Not Detected	89	Not Detected
Vinyl Chloride	11	Not Detected	28	Not Detected
1,3-Butadiene	11	Not Detected	24	Not Detected
Bromomethane	11	Not Detected	42	Not Detected
Chloroethane	11	Not Detected	28	Not Detected
Freon 11	11	Not Detected	61	Not Detected
Ethanol	43	Not Detected	81	Not Detected
Freon 113	11	Not Detected	83	Not Detected
1,1-Dichloroethene	11	Not Detected	43	Not Detected
Acetone	43	4.6 J	100	11 J
2-Propanol	43	Not Detected	110	Not Detected
Carbon Disulfide	11	Not Detected	34	Not Detected
3-Chloropropene	43	Not Detected	140	Not Detected
Methylene Chloride	11	Not Detected	38	Not Detected
Methyl tert-butyl ether	11	Not Detected	39	Not Detected
trans-1,2-Dichloroethene	11	Not Detected	43	Not Detected
Hexane	11	Not Detected	38	Not Detected
1,1-Dichloroethane	11	Not Detected	44	Not Detected
2-Butanone (Methyl Ethyl Ketone)	11	Not Detected	32	Not Detected
cis-1,2-Dichloroethene	11	Not Detected	43	Not Detected
Tetrahydrofuran	11	Not Detected	32	Not Detected
Chloroform	11	Not Detected	53	Not Detected
1,1,1-Trichloroethane	11	Not Detected	59	Not Detected
Cyclohexane	11	Not Detected	37	Not Detected
Carbon Tetrachloride	11	Not Detected	68	Not Detected
2,2,4-Trimethylpentane	11	Not Detected	50	Not Detected
Benzene	11	Not Detected	34	Not Detected
1,2-Dichloroethane	11	Not Detected	44	Not Detected
Heptane	11	Not Detected	44	Not Detected
Trichloroethene	11	Not Detected	58	Not Detected
1,2-Dichloropropane	11	Not Detected	50	Not Detected
1,4-Dioxane	43	Not Detected	160	Not Detected
Bromodichloromethane	11	Not Detected	72	Not Detected
cis-1,3-Dichloropropene	11	Not Detected	49	Not Detected
4-Methyl-2-pentanone	11	Not Detected	44	Not Detected
Toluene	11	Not Detected	41	Not Detected
trans-1,3-Dichloropropene	11	Not Detected	49	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: VE-3D Baseline

Lab ID#: 0907666BR1-08A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b081709**	**Date of Collection: 7/29/09 7:55:00 AM**	
Dil. Factor:	**2.16**	**Date of Analysis: 8/17/09 11:54 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,2-Trichloroethane	11	Not Detected	59	Not Detected
Tetrachloroethene	11	Not Detected	73	Not Detected
2-Hexanone	43	Not Detected	180	Not Detected
Dibromochloromethane	11	Not Detected	92	Not Detected
1,2-Dibromoethane (EDB)	11	Not Detected	83	Not Detected
Chlorobenzene	11	Not Detected	50	Not Detected
Ethyl Benzene	11	Not Detected	47	Not Detected
m,p-Xylene	11	Not Detected	47	Not Detected
o-Xylene	11	Not Detected	47	Not Detected
Styrene	11	Not Detected	46	Not Detected
Bromoform	11	Not Detected	110	Not Detected
Cumene	11	Not Detected	53	Not Detected
1,1,2,2-Tetrachloroethane	11	Not Detected	74	Not Detected
Propylbenzene	11	Not Detected	53	Not Detected
4-Ethyltoluene	11	Not Detected	53	Not Detected
1,3,5-Trimethylbenzene	11	Not Detected	53	Not Detected
1,2,4-Trimethylbenzene	11	Not Detected	53	Not Detected
1,3-Dichlorobenzene	11	Not Detected	65	Not Detected
1,4-Dichlorobenzene	11	Not Detected	65	Not Detected
alpha-Chlorotoluene	11	Not Detected	56	Not Detected
1,2-Dichlorobenzene	11	Not Detected	65	Not Detected
1,2,4-Trichlorobenzene	43	Not Detected	320	Not Detected
Hexachlorobutadiene	43	Not Detected	460	Not Detected

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: VE-3S Baseline

Lab ID#: 0907666BR1-09A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b081710**	**Date of Collection: 7/29/09 7:20:00 AM**	
Dil. Factor:	**2.13**	**Date of Analysis: 8/17/09 12:12 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	11	Not Detected	53	Not Detected
Freon 114	11	Not Detected	74	Not Detected
Chloromethane	43	Not Detected	88	Not Detected
Vinyl Chloride	11	Not Detected	27	Not Detected
1,3-Butadiene	11	Not Detected	24	Not Detected
Bromomethane	11	Not Detected	41	Not Detected
Chloroethane	11	Not Detected	28	Not Detected
Freon 11	11	Not Detected	60	Not Detected
Ethanol	43	Not Detected	80	Not Detected
Freon 113	11	Not Detected	82	Not Detected
1,1-Dichloroethene	11	Not Detected	42	Not Detected
Acetone	43	Not Detected	100	Not Detected
2-Propanol	43	Not Detected	100	Not Detected
Carbon Disulfide	11	1.8 J	33	5.5 J
3-Chloropropene	43	Not Detected	130	Not Detected
Methylene Chloride	11	Not Detected	37	Not Detected
Methyl tert-butyl ether	11	Not Detected	38	Not Detected
trans-1,2-Dichloroethene	11	Not Detected	42	Not Detected
Hexane	11	Not Detected	38	Not Detected
1,1-Dichloroethane	11	Not Detected	43	Not Detected
2-Butanone (Methyl Ethyl Ketone)	11	Not Detected	31	Not Detected
cis-1,2-Dichloroethene	11	Not Detected	42	Not Detected
Tetrahydrofuran	11	Not Detected	31	Not Detected
Chloroform	11	Not Detected	52	Not Detected
1,1,1-Trichloroethane	11	Not Detected	58	Not Detected
Cyclohexane	11	Not Detected	37	Not Detected
Carbon Tetrachloride	11	Not Detected	67	Not Detected
2,2,4-Trimethylpentane	11	Not Detected	50	Not Detected
Benzene	11	Not Detected	34	Not Detected
1,2-Dichloroethane	11	Not Detected	43	Not Detected
Heptane	11	Not Detected	44	Not Detected
Trichloroethene	11	Not Detected	57	Not Detected
1,2-Dichloropropane	11	Not Detected	49	Not Detected
1,4-Dioxane	43	Not Detected	150	Not Detected
Bromodichloromethane	11	Not Detected	71	Not Detected
cis-1,3-Dichloropropene	11	Not Detected	48	Not Detected
4-Methyl-2-pentanone	11	Not Detected	44	Not Detected
Toluene	11	Not Detected	40	Not Detected
trans-1,3-Dichloropropene	11	Not Detected	48	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: VE-3S Baseline

Lab ID#: 0907666BR1-09A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b081710**	**Date of Collection: 7/29/09 7:20:00 AM**	
Dil. Factor:	**2.13**	**Date of Analysis: 8/17/09 12:12 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,2-Trichloroethane	11	Not Detected	58	Not Detected
Tetrachloroethene	11	Not Detected	72	Not Detected
2-Hexanone	43	Not Detected	170	Not Detected
Dibromochloromethane	11	Not Detected	91	Not Detected
1,2-Dibromoethane (EDB)	11	Not Detected	82	Not Detected
Chlorobenzene	11	Not Detected	49	Not Detected
Ethyl Benzene	11	Not Detected	46	Not Detected
m,p-Xylene	11	Not Detected	46	Not Detected
o-Xylene	11	Not Detected	46	Not Detected
Styrene	11	Not Detected	45	Not Detected
Bromoform	11	Not Detected	110	Not Detected
Cumene	11	Not Detected	52	Not Detected
1,1,2,2-Tetrachloroethane	11	Not Detected	73	Not Detected
Propylbenzene	11	Not Detected	52	Not Detected
4-Ethyltoluene	11	Not Detected	52	Not Detected
1,3,5-Trimethylbenzene	11	Not Detected	52	Not Detected
1,2,4-Trimethylbenzene	11	Not Detected	52	Not Detected
1,3-Dichlorobenzene	11	Not Detected	64	Not Detected
1,4-Dichlorobenzene	11	Not Detected	64	Not Detected
alpha-Chlorotoluene	11	Not Detected	55	Not Detected
1,2-Dichlorobenzene	11	Not Detected	64	Not Detected
1,2,4-Trichlorobenzene	43	Not Detected	320	Not Detected
Hexachlorobutadiene	43	Not Detected	450	Not Detected

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: VE-2D

Lab ID#: 0907666BR1-10A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b081714**	**Date of Collection:**	**7/30/09 12:15:00 PM**
Dil. Factor:	**7.63**	**Date of Analysis:**	**8/17/09 01:37 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	38	Not Detected	190	Not Detected
Freon 114	38	Not Detected	270	Not Detected
Chloromethane	150	Not Detected	320	Not Detected
Vinyl Chloride	38	Not Detected	98	Not Detected
1,3-Butadiene	38	Not Detected	84	Not Detected
Bromomethane	38	Not Detected	150	Not Detected
Chloroethane	38	Not Detected	100	Not Detected
Freon 11	38	Not Detected	210	Not Detected
Ethanol	150	Not Detected	290	Not Detected
Freon 113	38	Not Detected	290	Not Detected
1,1-Dichloroethene	38	Not Detected	150	Not Detected
Acetone	150	3300	360	7900
2-Propanol	150	Not Detected	380	Not Detected
Carbon Disulfide	38	Not Detected	120	Not Detected
3-Chloropropene	150	Not Detected	480	Not Detected
Methylene Chloride	38	Not Detected	130	Not Detected
Methyl tert-butyl ether	38	Not Detected	140	Not Detected
trans-1,2-Dichloroethene	38	Not Detected	150	Not Detected
Hexane	38	Not Detected	130	Not Detected
1,1-Dichloroethane	38	Not Detected	150	Not Detected
2-Butanone (Methyl Ethyl Ketone)	38	14000	110	42000
cis-1,2-Dichloroethene	38	Not Detected	150	Not Detected
Tetrahydrofuran	38	31000	110	92000
Chloroform	38	Not Detected	190	Not Detected
1,1,1-Trichloroethane	38	Not Detected	210	Not Detected
Cyclohexane	38	Not Detected	130	Not Detected
Carbon Tetrachloride	38	Not Detected	240	Not Detected
2,2,4-Trimethylpentane	38	Not Detected	180	Not Detected
Benzene	38	Not Detected	120	Not Detected
1,2-Dichloroethane	38	Not Detected	150	Not Detected
Heptane	38	Not Detected	160	Not Detected
Trichloroethene	38	Not Detected	200	Not Detected
1,2-Dichloropropane	38	Not Detected	180	Not Detected
1,4-Dioxane	150	Not Detected	550	Not Detected
Bromodichloromethane	38	Not Detected	260	Not Detected
cis-1,3-Dichloropropene	38	Not Detected	170	Not Detected
4-Methyl-2-pentanone	38	Not Detected	160	Not Detected
Toluene	38	Not Detected	140	Not Detected
trans-1,3-Dichloropropene	38	Not Detected	170	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: VE-2D

Lab ID#: 0907666BR1-10A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b081714**	**Date of Collection: 7/30/09 12:15:00 PM**	
Dil. Factor:	**7.63**	**Date of Analysis: 8/17/09 01:37 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,2-Trichloroethane	38	Not Detected	210	Not Detected
Tetrachloroethene	38	160	260	1100
2-Hexanone	150	Not Detected	620	Not Detected
Dibromochloromethane	38	Not Detected	320	Not Detected
1,2-Dibromoethane (EDB)	38	Not Detected	290	Not Detected
Chlorobenzene	38	Not Detected	180	Not Detected
Ethyl Benzene	38	Not Detected	160	Not Detected
m,p-Xylene	38	Not Detected	160	Not Detected
o-Xylene	38	Not Detected	160	Not Detected
Styrene	38	Not Detected	160	Not Detected
Bromoform	38	Not Detected	390	Not Detected
Cumene	38	Not Detected	190	Not Detected
1,1,2,2-Tetrachloroethane	38	Not Detected	260	Not Detected
Propylbenzene	38	Not Detected	190	Not Detected
4-Ethyltoluene	38	Not Detected	190	Not Detected
1,3,5-Trimethylbenzene	38	Not Detected	190	Not Detected
1,2,4-Trimethylbenzene	38	Not Detected	190	Not Detected
1,3-Dichlorobenzene	38	Not Detected	230	Not Detected
1,4-Dichlorobenzene	38	Not Detected	230	Not Detected
alpha-Chlorotoluene	38	Not Detected	200	Not Detected
1,2-Dichlorobenzene	38	Not Detected	230	Not Detected
1,2,4-Trichlorobenzene	150	Not Detected	1100	Not Detected
Hexachlorobutadiene	150	Not Detected	1600	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: VE3D

Lab ID#: 0907666BR1-11A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b081716**	**Date of Collection:**	**7/30/09 12:20:00 PM**
Dil. Factor:	**5.50**	**Date of Analysis:**	**8/17/09 02:20 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	28	Not Detected	140	Not Detected
Freon 114	28	Not Detected	190	Not Detected
Chloromethane	110	Not Detected	230	Not Detected
Vinyl Chloride	28	Not Detected	70	Not Detected
1,3-Butadiene	28	Not Detected	61	Not Detected
Bromomethane	28	Not Detected	110	Not Detected
Chloroethane	28	Not Detected	72	Not Detected
Freon 11	28	Not Detected	150	Not Detected
Ethanol	110	Not Detected	210	Not Detected
Freon 113	28	Not Detected	210	Not Detected
1,1-Dichloroethene	28	Not Detected	110	Not Detected
Acetone	110	4100	260	9700
2-Propanol	110	Not Detected	270	Not Detected
Carbon Disulfide	28	Not Detected	86	Not Detected
3-Chloropropene	110	Not Detected	340	Not Detected
Methylene Chloride	28	Not Detected	96	Not Detected
Methyl tert-butyl ether	28	Not Detected	99	Not Detected
trans-1,2-Dichloroethene	28	Not Detected	110	Not Detected
Hexane	28	Not Detected	97	Not Detected
1,1-Dichloroethane	28	Not Detected	110	Not Detected
2-Butanone (Methyl Ethyl Ketone)	28	9300	81	27000
cis-1,2-Dichloroethene	28	Not Detected	110	Not Detected
Tetrahydrofuran	28	24000	81	70000
Chloroform	28	Not Detected	130	Not Detected
1,1,1-Trichloroethane	28	Not Detected	150	Not Detected
Cyclohexane	28	Not Detected	95	Not Detected
Carbon Tetrachloride	28	Not Detected	170	Not Detected
2,2,4-Trimethylpentane	28	Not Detected	130	Not Detected
Benzene	28	Not Detected	88	Not Detected
1,2-Dichloroethane	28	Not Detected	110	Not Detected
Heptane	28	Not Detected	110	Not Detected
Trichloroethene	28	Not Detected	150	Not Detected
1,2-Dichloropropane	28	Not Detected	130	Not Detected
1,4-Dioxane	110	Not Detected	400	Not Detected
Bromodichloromethane	28	Not Detected	180	Not Detected
cis-1,3-Dichloropropene	28	Not Detected	120	Not Detected
4-Methyl-2-pentanone	28	Not Detected	110	Not Detected
Toluene	28	Not Detected	100	Not Detected
trans-1,3-Dichloropropene	28	Not Detected	120	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: VE3D

Lab ID#: 0907666BR1-11A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b081716**	**Date of Collection: 7/30/09 12:20:00 PM**	
Dil. Factor:	**5.50**	**Date of Analysis: 8/17/09 02:20 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,2-Trichloroethane	28	Not Detected	150	Not Detected
Tetrachloroethene	28	560	190	3800
2-Hexanone	110	Not Detected	450	Not Detected
Dibromochloromethane	28	Not Detected	230	Not Detected
1,2-Dibromoethane (EDB)	28	Not Detected	210	Not Detected
Chlorobenzene	28	Not Detected	130	Not Detected
Ethyl Benzene	28	Not Detected	120	Not Detected
m,p-Xylene	28	Not Detected	120	Not Detected
o-Xylene	28	Not Detected	120	Not Detected
Styrene	28	Not Detected	120	Not Detected
Bromoform	28	Not Detected	280	Not Detected
Cumene	28	Not Detected	140	Not Detected
1,1,2,2-Tetrachloroethane	28	Not Detected	190	Not Detected
Propylbenzene	28	Not Detected	140	Not Detected
4-Ethyltoluene	28	Not Detected	140	Not Detected
1,3,5-Trimethylbenzene	28	Not Detected	140	Not Detected
1,2,4-Trimethylbenzene	28	Not Detected	140	Not Detected
1,3-Dichlorobenzene	28	Not Detected	160	Not Detected
1,4-Dichlorobenzene	28	Not Detected	160	Not Detected
alpha-Chlorotoluene	28	Not Detected	140	Not Detected
1,2-Dichlorobenzene	28	Not Detected	160	Not Detected
1,2,4-Trichlorobenzene	110	Not Detected	820	Not Detected
Hexachlorobutadiene	110	Not Detected	1200	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: VE-3S

Lab ID#: 0907666BR1-12A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b081712**	**Date of Collection: 7/30/09 12:50:00 PM**	
Dil. Factor:	**2.16**	**Date of Analysis: 8/17/09 12:50 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	11	Not Detected	53	Not Detected
Freon 114	11	Not Detected	76	Not Detected
Chloromethane	43	Not Detected	89	Not Detected
Vinyl Chloride	11	Not Detected	28	Not Detected
1,3-Butadiene	11	Not Detected	24	Not Detected
Bromomethane	11	Not Detected	42	Not Detected
Chloroethane	11	Not Detected	28	Not Detected
Freon 11	11	Not Detected	61	Not Detected
Ethanol	43	Not Detected	81	Not Detected
Freon 113	11	Not Detected	83	Not Detected
1,1-Dichloroethene	11	Not Detected	43	Not Detected
Acetone	43	730	100	1700
2-Propanol	43	Not Detected	110	Not Detected
Carbon Disulfide	11	Not Detected	34	Not Detected
3-Chloropropene	43	Not Detected	140	Not Detected
Methylene Chloride	11	Not Detected	38	Not Detected
Methyl tert-butyl ether	11	Not Detected	39	Not Detected
trans-1,2-Dichloroethene	11	Not Detected	43	Not Detected
Hexane	11	Not Detected	38	Not Detected
1,1-Dichloroethane	11	Not Detected	44	Not Detected
2-Butanone (Methyl Ethyl Ketone)	11	1500	32	4600
cis-1,2-Dichloroethene	11	Not Detected	43	Not Detected
Tetrahydrofuran	11	3400	32	10000
Chloroform	11	Not Detected	53	Not Detected
1,1,1-Trichloroethane	11	Not Detected	59	Not Detected
Cyclohexane	11	Not Detected	37	Not Detected
Carbon Tetrachloride	11	Not Detected	68	Not Detected
2,2,4-Trimethylpentane	11	Not Detected	50	Not Detected
Benzene	11	Not Detected	34	Not Detected
1,2-Dichloroethane	11	Not Detected	44	Not Detected
Heptane	11	Not Detected	44	Not Detected
Trichloroethene	11	Not Detected	58	Not Detected
1,2-Dichloropropane	11	Not Detected	50	Not Detected
1,4-Dioxane	43	Not Detected	160	Not Detected
Bromodichloromethane	11	Not Detected	72	Not Detected
cis-1,3-Dichloropropene	11	Not Detected	49	Not Detected
4-Methyl-2-pentanone	11	Not Detected	44	Not Detected
Toluene	11	Not Detected	41	Not Detected
trans-1,3-Dichloropropene	11	Not Detected	49	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: VE-3S

Lab ID#: 0907666BR1-12A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b081712**	**Date of Collection: 7/30/09 12:50:00 PM**	
Dil. Factor:	**2.16**	**Date of Analysis: 8/17/09 12:50 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,2-Trichloroethane	11	Not Detected	59	Not Detected
Tetrachloroethene	11	300	73	2000
2-Hexanone	43	Not Detected	180	Not Detected
Dibromochloromethane	11	Not Detected	92	Not Detected
1,2-Dibromoethane (EDB)	11	Not Detected	83	Not Detected
Chlorobenzene	11	Not Detected	50	Not Detected
Ethyl Benzene	11	Not Detected	47	Not Detected
m,p-Xylene	11	Not Detected	47	Not Detected
o-Xylene	11	Not Detected	47	Not Detected
Styrene	11	Not Detected	46	Not Detected
Bromoform	11	Not Detected	110	Not Detected
Cumene	11	Not Detected	53	Not Detected
1,1,2,2-Tetrachloroethane	11	Not Detected	74	Not Detected
Propylbenzene	11	Not Detected	53	Not Detected
4-Ethyltoluene	11	Not Detected	53	Not Detected
1,3,5-Trimethylbenzene	11	Not Detected	53	Not Detected
1,2,4-Trimethylbenzene	11	Not Detected	53	Not Detected
1,3-Dichlorobenzene	11	Not Detected	65	Not Detected
1,4-Dichlorobenzene	11	Not Detected	65	Not Detected
alpha-Chlorotoluene	11	Not Detected	56	Not Detected
1,2-Dichlorobenzene	11	Not Detected	65	Not Detected
1,2,4-Trichlorobenzene	43	Not Detected	320	Not Detected
Hexachlorobutadiene	43	Not Detected	460	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: VE-3S Lab Duplicate

Lab ID#: 0907666BR1-12AA

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b081711**	**Date of Collection: 7/30/09 12:50:00 PM**	
Dil. Factor:	**7.20**	**Date of Analysis: 8/17/09 12:30 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	36	Not Detected	180	Not Detected
Freon 114	36	Not Detected	250	Not Detected
Chloromethane	140	Not Detected	300	Not Detected
Vinyl Chloride	36	Not Detected	92	Not Detected
1,3-Butadiene	36	Not Detected	80	Not Detected
Bromomethane	36	Not Detected	140	Not Detected
Chloroethane	36	Not Detected	95	Not Detected
Freon 11	36	Not Detected	200	Not Detected
Ethanol	140	Not Detected	270	Not Detected
Freon 113	36	Not Detected	280	Not Detected
1,1-Dichloroethene	36	Not Detected	140	Not Detected
Acetone	140	790	340	1900
2-Propanol	140	Not Detected	350	Not Detected
Carbon Disulfide	36	Not Detected	110	Not Detected
3-Chloropropene	140	Not Detected	450	Not Detected
Methylene Chloride	36	Not Detected	120	Not Detected
Methyl tert-butyl ether	36	Not Detected	130	Not Detected
trans-1,2-Dichloroethene	36	Not Detected	140	Not Detected
Hexane	36	Not Detected	130	Not Detected
1,1-Dichloroethane	36	Not Detected	140	Not Detected
2-Butanone (Methyl Ethyl Ketone)	36	1600	110	4800
cis-1,2-Dichloroethene	36	Not Detected	140	Not Detected
Tetrahydrofuran	36	3800	110	11000
Chloroform	36	Not Detected	180	Not Detected
1,1,1-Trichloroethane	36	Not Detected	200	Not Detected
Cyclohexane	36	Not Detected	120	Not Detected
Carbon Tetrachloride	36	Not Detected	230	Not Detected
2,2,4-Trimethylpentane	36	Not Detected	170	Not Detected
Benzene	36	Not Detected	120	Not Detected
1,2-Dichloroethane	36	Not Detected	140	Not Detected
Heptane	36	Not Detected	150	Not Detected
Trichloroethene	36	Not Detected	190	Not Detected
1,2-Dichloropropane	36	Not Detected	170	Not Detected
1,4-Dioxane	140	Not Detected	520	Not Detected
Bromodichloromethane	36	Not Detected	240	Not Detected
cis-1,3-Dichloropropene	36	Not Detected	160	Not Detected
4-Methyl-2-pentanone	36	Not Detected	150	Not Detected
Toluene	36	Not Detected	140	Not Detected
trans-1,3-Dichloropropene	36	Not Detected	160	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: VE-3S Lab Duplicate

Lab ID#: 0907666BR1-12AA

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b081711**	**Date of Collection: 7/30/09 12:50:00 PM**	
Dil. Factor:	**7.20**	**Date of Analysis: 8/17/09 12:30 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,2-Trichloroethane	36	Not Detected	200	Not Detected
Tetrachloroethene	36	320	240	2200
2-Hexanone	140	Not Detected	590	Not Detected
Dibromochloromethane	36	Not Detected	310	Not Detected
1,2-Dibromoethane (EDB)	36	Not Detected	280	Not Detected
Chlorobenzene	36	Not Detected	160	Not Detected
Ethyl Benzene	36	Not Detected	160	Not Detected
m,p-Xylene	36	Not Detected	160	Not Detected
o-Xylene	36	Not Detected	160	Not Detected
Styrene	36	Not Detected	150	Not Detected
Bromoform	36	Not Detected	370	Not Detected
Cumene	36	Not Detected	180	Not Detected
1,1,2,2-Tetrachloroethane	36	Not Detected	250	Not Detected
Propylbenzene	36	Not Detected	180	Not Detected
4-Ethyltoluene	36	Not Detected	180	Not Detected
1,3,5-Trimethylbenzene	36	Not Detected	180	Not Detected
1,2,4-Trimethylbenzene	36	Not Detected	180	Not Detected
1,3-Dichlorobenzene	36	Not Detected	220	Not Detected
1,4-Dichlorobenzene	36	Not Detected	220	Not Detected
alpha-Chlorotoluene	36	Not Detected	190	Not Detected
1,2-Dichlorobenzene	36	Not Detected	220	Not Detected
1,2,4-Trichlorobenzene	140	Not Detected	1100	Not Detected
Hexachlorobutadiene	140	Not Detected	1500	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: VE-2S

Lab ID#: 0907666BR1-13A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b081718**	**Date of Collection: 7/30/09 1:00:00 PM**	
Dil. Factor:	**11.2**	**Date of Analysis: 8/17/09 03:04 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	56	Not Detected	280	Not Detected
Freon 114	56	Not Detected	390	Not Detected
Chloromethane	220	Not Detected	460	Not Detected
Vinyl Chloride	56	Not Detected	140	Not Detected
1,3-Butadiene	56	Not Detected	120	Not Detected
Bromomethane	56	Not Detected	220	Not Detected
Chloroethane	56	Not Detected	150	Not Detected
Freon 11	56	Not Detected	310	Not Detected
Ethanol	220	Not Detected	420	Not Detected
Freon 113	56	Not Detected	430	Not Detected
1,1-Dichloroethene	56	Not Detected	220	Not Detected
Acetone	220	6300	530	15000
2-Propanol	220	Not Detected	550	Not Detected
Carbon Disulfide	56	Not Detected	170	Not Detected
3-Chloropropene	220	Not Detected	700	Not Detected
Methylene Chloride	56	20 J	190	69 J
Methyl tert-butyl ether	56	Not Detected	200	Not Detected
trans-1,2-Dichloroethene	56	Not Detected	220	Not Detected
Hexane	56	Not Detected	200	Not Detected
1,1-Dichloroethane	56	Not Detected	230	Not Detected
2-Butanone (Methyl Ethyl Ketone)	56	17000	160	50000
cis-1,2-Dichloroethene	56	Not Detected	220	Not Detected
Tetrahydrofuran	56	34000	160	100000
Chloroform	56	Not Detected	270	Not Detected
1,1,1-Trichloroethane	56	Not Detected	300	Not Detected
Cyclohexane	56	Not Detected	190	Not Detected
Carbon Tetrachloride	56	Not Detected	350	Not Detected
2,2,4-Trimethylpentane	56	Not Detected	260	Not Detected
Benzene	56	Not Detected	180	Not Detected
1,2-Dichloroethane	56	Not Detected	230	Not Detected
Heptane	56	Not Detected	230	Not Detected
Trichloroethene	56	Not Detected	300	Not Detected
1,2-Dichloropropane	56	Not Detected	260	Not Detected
1,4-Dioxane	220	Not Detected	810	Not Detected
Bromodichloromethane	56	Not Detected	380	Not Detected
cis-1,3-Dichloropropene	56	Not Detected	250	Not Detected
4-Methyl-2-pentanone	56	Not Detected	230	Not Detected
Toluene	56	Not Detected	210	Not Detected
trans-1,3-Dichloropropene	56	Not Detected	250	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: VE-2S

Lab ID#: 0907666BR1-13A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b081718**	**Date of Collection: 7/30/09 1:00:00 PM**	
Dil. Factor:	**11.2**	**Date of Analysis: 8/17/09 03:04 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,2-Trichloroethane	56	Not Detected	300	Not Detected
Tetrachloroethene	56	870	380	5900
2-Hexanone	220	Not Detected	920	Not Detected
Dibromochloromethane	56	Not Detected	480	Not Detected
1,2-Dibromoethane (EDB)	56	Not Detected	430	Not Detected
Chlorobenzene	56	Not Detected	260	Not Detected
Ethyl Benzene	56	Not Detected	240	Not Detected
m,p-Xylene	56	Not Detected	240	Not Detected
o-Xylene	56	Not Detected	240	Not Detected
Styrene	56	Not Detected	240	Not Detected
Bromoform	56	Not Detected	580	Not Detected
Cumene	56	Not Detected	280	Not Detected
1,1,2,2-Tetrachloroethane	56	Not Detected	380	Not Detected
Propylbenzene	56	Not Detected	280	Not Detected
4-Ethyltoluene	56	Not Detected	280	Not Detected
1,3,5-Trimethylbenzene	56	Not Detected	280	Not Detected
1,2,4-Trimethylbenzene	56	Not Detected	280	Not Detected
1,3-Dichlorobenzene	56	Not Detected	340	Not Detected
1,4-Dichlorobenzene	56	Not Detected	340	Not Detected
alpha-Chlorotoluene	56	Not Detected	290	Not Detected
1,2-Dichlorobenzene	56	Not Detected	340	Not Detected
1,2,4-Trichlorobenzene	220	Not Detected	1700	Not Detected
Hexachlorobutadiene	220	Not Detected	2400	Not Detected

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Carbon EFF

Lab ID#: 0907666BR1-16A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**w081014**	**Date of Collection: 7/30/09 1:20:00 PM**	
Dil. Factor:	**2.16**	**Date of Analysis: 8/10/09 05:20 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	11	Not Detected	28	Not Detected
1,1-Dichloroethene	11	Not Detected	43	Not Detected
trans-1,2-Dichloroethene	11	Not Detected	43	Not Detected
cis-1,2-Dichloroethene	11	Not Detected	43	Not Detected
Trichloroethene	11	Not Detected	58	Not Detected
Tetrachloroethene	11	Not Detected	73	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	94	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0907666BR1-17A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**w081005a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/10/09 12:18 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	5.0	Not Detected	13	Not Detected
1,1-Dichloroethene	5.0	Not Detected	20	Not Detected
trans-1,2-Dichloroethene	5.0	Not Detected	20	Not Detected
cis-1,2-Dichloroethene	5.0	Not Detected	20	Not Detected
Trichloroethene	5.0	Not Detected	27	Not Detected
Tetrachloroethene	5.0	Not Detected	34	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0907666BR1-17B

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b081707a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/17/09 10:53 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	5.0	Not Detected	25	Not Detected
Freon 114	5.0	Not Detected	35	Not Detected
Chloromethane	20	Not Detected	41	Not Detected
Vinyl Chloride	5.0	Not Detected	13	Not Detected
1,3-Butadiene	5.0	Not Detected	11	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	5.0	Not Detected	13	Not Detected
Freon 11	5.0	Not Detected	28	Not Detected
Ethanol	20	3.0 J	38	5.6 J
Freon 113	5.0	Not Detected	38	Not Detected
1,1-Dichloroethene	5.0	Not Detected	20	Not Detected
Acetone	20	Not Detected	48	Not Detected
2-Propanol	20	Not Detected	49	Not Detected
Carbon Disulfide	5.0	Not Detected	16	Not Detected
3-Chloropropene	20	Not Detected	63	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	5.0	Not Detected	18	Not Detected
trans-1,2-Dichloroethene	5.0	Not Detected	20	Not Detected
Hexane	5.0	Not Detected	18	Not Detected
1,1-Dichloroethane	5.0	Not Detected	20	Not Detected
2-Butanone (Methyl Ethyl Ketone)	5.0	Not Detected	15	Not Detected
cis-1,2-Dichloroethene	5.0	Not Detected	20	Not Detected
Tetrahydrofuran	5.0	Not Detected	15	Not Detected
Chloroform	5.0	Not Detected	24	Not Detected
1,1,1-Trichloroethane	5.0	Not Detected	27	Not Detected
Cyclohexane	5.0	Not Detected	17	Not Detected
Carbon Tetrachloride	5.0	Not Detected	31	Not Detected
2,2,4-Trimethylpentane	5.0	Not Detected	23	Not Detected
Benzene	5.0	Not Detected	16	Not Detected
1,2-Dichloroethane	5.0	Not Detected	20	Not Detected
Heptane	5.0	Not Detected	20	Not Detected
Trichloroethene	5.0	Not Detected	27	Not Detected
1,2-Dichloropropane	5.0	Not Detected	23	Not Detected
1,4-Dioxane	20	Not Detected	72	Not Detected
Bromodichloromethane	5.0	Not Detected	34	Not Detected
cis-1,3-Dichloropropene	5.0	Not Detected	23	Not Detected
4-Methyl-2-pentanone	5.0	Not Detected	20	Not Detected
Toluene	5.0	Not Detected	19	Not Detected
trans-1,3-Dichloropropene	5.0	Not Detected	23	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0907666BR1-17B

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b081707a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/17/09 10:53 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,2-Trichloroethane	5.0	Not Detected	27	Not Detected
Tetrachloroethene	5.0	Not Detected	34	Not Detected
2-Hexanone	20	Not Detected	82	Not Detected
Dibromochloromethane	5.0	Not Detected	42	Not Detected
1,2-Dibromoethane (EDB)	5.0	Not Detected	38	Not Detected
Chlorobenzene	5.0	Not Detected	23	Not Detected
Ethyl Benzene	5.0	Not Detected	22	Not Detected
m,p-Xylene	5.0	Not Detected	22	Not Detected
o-Xylene	5.0	Not Detected	22	Not Detected
Styrene	5.0	Not Detected	21	Not Detected
Bromoform	5.0	Not Detected	52	Not Detected
Cumene	5.0	Not Detected	24	Not Detected
1,1,2,2-Tetrachloroethane	5.0	Not Detected	34	Not Detected
Propylbenzene	5.0	Not Detected	24	Not Detected
4-Ethyltoluene	5.0	Not Detected	24	Not Detected
1,3,5-Trimethylbenzene	5.0	Not Detected	24	Not Detected
1,2,4-Trimethylbenzene	5.0	Not Detected	24	Not Detected
1,3-Dichlorobenzene	5.0	Not Detected	30	Not Detected
1,4-Dichlorobenzene	5.0	Not Detected	30	Not Detected
alpha-Chlorotoluene	5.0	Not Detected	26	Not Detected
1,2-Dichlorobenzene	5.0	Not Detected	30	Not Detected
1,2,4-Trichlorobenzene	20	Not Detected	150	Not Detected
Hexachlorobutadiene	20	Not Detected	210	Not Detected

J = Estimated value.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0907666BR1-18A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**w081002**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/10/09 10:49 AM**	

Compound	%Recovery
Vinyl Chloride	114
1,1-Dichloroethene	91
trans-1,2-Dichloroethene	91
cis-1,2-Dichloroethene	100
Trichloroethene	94
Tetrachloroethene	92

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0907666BR1-18B

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b081702**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/17/09 06:41 AM**	

Compound	%Recovery
Freon 12	113
Freon 114	110
Chloromethane	109
Vinyl Chloride	112
1,3-Butadiene	109
Bromomethane	104
Chloroethane	111
Freon 11	112
Ethanol	131 Q
Freon 113	107
1,1-Dichloroethene	106
Acetone	106
2-Propanol	110
Carbon Disulfide	107
3-Chloropropene	104
Methylene Chloride	106
Methyl tert-butyl ether	104
trans-1,2-Dichloroethene	104
Hexane	107
1,1-Dichloroethane	108
2-Butanone (Methyl Ethyl Ketone)	107
cis-1,2-Dichloroethene	107
Tetrahydrofuran	106
Chloroform	109
1,1,1-Trichloroethane	109
Cyclohexane	106
Carbon Tetrachloride	110
2,2,4-Trimethylpentane	107
Benzene	105
1,2-Dichloroethane	108
Heptane	108
Trichloroethene	108
1,2-Dichloropropane	107
1,4-Dioxane	107
Bromodichloromethane	106
cis-1,3-Dichloropropene	109
4-Methyl-2-pentanone	108
Toluene	110
trans-1,3-Dichloropropene	110

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0907666BR1-18B

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b081702**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/17/09 06:41 AM**	

Compound	**%Recovery**
1,1,2-Trichloroethane	110
Tetrachloroethene	111
2-Hexanone	107
Dibromochloromethane	108
1,2-Dibromoethane (EDB)	112
Chlorobenzene	110
Ethyl Benzene	111
m,p-Xylene	110
o-Xylene	110
Styrene	122
Bromoform	121
Cumene	114
1,1,2,2-Tetrachloroethane	120
Propylbenzene	115
4-Ethyltoluene	120
1,3,5-Trimethylbenzene	116
1,2,4-Trimethylbenzene	119
1,3-Dichlorobenzene	123
1,4-Dichlorobenzene	121
alpha-Chlorotoluene	149 Q
1,2-Dichlorobenzene	125
1,2,4-Trichlorobenzene	102
Hexachlorobutadiene	99

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0907666BR1-19A

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**w081003**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/10/09 11:19 AM**	

Compound	%Recovery
Vinyl Chloride	99
1,1-Dichloroethene	100
trans-1,2-Dichloroethene	89
cis-1,2-Dichloroethene	95
Trichloroethene	92
Tetrachloroethene	89

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0907666BR1-19B

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b081703**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/17/09 07:05 AM**	

Compound	%Recovery
Freon 12	112
Freon 114	110
Chloromethane	108
Vinyl Chloride	110
1,3-Butadiene	106
Bromomethane	109
Chloroethane	110
Freon 11	110
Ethanol	85
Freon 113	121
1,1-Dichloroethene	118
Acetone	108
2-Propanol	116
Carbon Disulfide	106
3-Chloropropene	110
Methylene Chloride	113
Methyl tert-butyl ether	105
trans-1,2-Dichloroethene	106
Hexane	107
1,1-Dichloroethane	112
2-Butanone (Methyl Ethyl Ketone)	107
cis-1,2-Dichloroethene	107
Tetrahydrofuran	105
Chloroform	110
1,1,1-Trichloroethane	109
Cyclohexane	106
Carbon Tetrachloride	112
2,2,4-Trimethylpentane	107
Benzene	107
1,2-Dichloroethane	109
Heptane	109
Trichloroethene	107
1,2-Dichloropropane	106
1,4-Dioxane	106
Bromodichloromethane	108
cis-1,3-Dichloropropene	109
4-Methyl-2-pentanone	113
Toluene	114
trans-1,3-Dichloropropene	111

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0907666BR1-19B

MODIFIED EPA METHOD TO-15 GC/MS

File Name:	**b081703**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/17/09 07:05 AM**	

Compound	**%Recovery**
1,1,2-Trichloroethane	109
Tetrachloroethene	112
2-Hexanone	109
Dibromochloromethane	110
1,2-Dibromoethane (EDB)	108
Chlorobenzene	107
Ethyl Benzene	107
m,p-Xylene	107
o-Xylene	108
Styrene	117
Bromoform	117
Cumene	113
1,1,2,2-Tetrachloroethane	114
Propylbenzene	109
4-Ethyltoluene	112
1,3,5-Trimethylbenzene	106
1,2,4-Trimethylbenzene	106
1,3-Dichlorobenzene	107
1,4-Dichlorobenzene	105
alpha-Chlorotoluene	132 Q
1,2-Dichlorobenzene	103
1,2,4-Trichlorobenzene	57 Q
Hexachlorobutadiene	58 Q

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	98	70-130

@ Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager: Rami Rao
Collected by: (Print and Sign) Kenny Bucha [signature]
Company ______ Email: Rami@[illegible]POINT
Address ______ City ______ State ____ Zip ______
Phone: 916-718-4127 Fax ______

Project Info:
P.O. # ______
Project # ______
Project Name ______

Turn Around Time:
☒ Normal
☐ Rush
______ *specify*

Lab Use Only
Pressurized by:
Date:
Pressurization Gas:
N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
	VM-4S Baseline	1177	7/29/09	600	[illegible]	30	3.5		
	VM-2S Baseline	6163		630	[illegible] 15 [illegible]				
	VM-2D Baseline	1035		655	MOD [illegible]				
	VE-2S Baseline	34082		905	TPH 15 MOD				
	VM-1D Baseline	34[illegible]		845	TPH 15 MOD				
	VM-1S Baseline	3[illegible]		~~[illegible]~~	MOD				
	VE-2D Baseline	3605		9:45	MOD				
	VE-3D Baseline	21068		755	TPH 15 [illegible]				
	VE-3S Baseline	2164		720 ~~[illegible]~~	TPH 15 [illegible]				

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
[signature]	7/30/09 530	[signature] ATL	7/30/09 1730
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
					Yes No None	

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page ____ of ____

Project Manager ~~Ken [illegible]~~ Ram Rao

Collected by: (Print and Sign) ____

Company Endpoint Inc Email ram@endpoint-inc.com

Address 98 Battery St Ste 200 City SF State CA Zip 94111

Phone ____ Fax ____

Project Info:
P.O. # ____
Project # ____
Project Name ____

Turn Around Time:
☐ Normal
☐ Rush
____ specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas:
N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
	VE-2D	34032	7/30/09	1215	TO-15 / full 2-propanol	30	4		
	VE 3D	34615		1225					
	VE-3S	1734		1250					
	VE-2S	3909		1300					
	VE-1D	33410		13:10	TO-15 MOD full list				
	VE 1S	33105		1315	TO-15 MOD full list				
	Carbon [illegible]	1357		1320					

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
[signature]	7/30/09 530	[signature] ATL	7/30/09 1730

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
					Yes No None	

Form 1293 rev.11

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Endpoint 98 Battery Street, Suite 200 San Francisco, CA 94111	Client Project ID: Dublin	Date Sampled: 09/01/09
		Date Received: 09/01/09
	Client Contact: Mehrdad	Date Reported: 09/10/09
	Client P.O.:	Date Completed: 09/04/09

WorkOrder: 0909041

September 11, 2009

Enclosed within are:

1) The results of the **8** analyzed samples from your project: **Dublin,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

0909041

McCAMPBELL ANALYTICAL INC.

1534 Willow Pass Road
Pittsburg, CA 94565-1701
www.main@mccampbell.com
Telephone: (925) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Mehrdad Bill To: 98 Battery #20 SF CA 94111

Company: END POINT - INC

E-Mail: mehrdad@ENDPOINT-INC.COM

Tele: (415) 706-8935 Fax: (650) 689-5517

Project #: Project Name:

Project Location: Dublin

Sampler Signature:

Lab Use Only

Pressurized By	Date	Pressurization Gas N2	Pressurization Gas He

Notes: EDD

Field Sample ID (Location)	Collection Date	Collection Time	Canister SN#	Sampler Kit SN#	Analysis Requested	Indoor Air	Soil Gas	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
Carbon eff	9/1/09	900	2712-555		TOC-15		X	29	3.0		
Carbon inlu.		9:05	SN# 3651		TOC-15		X	29	3.5		
VE-1S		9:10	2588-550		TOC-15		X	29	3.5		
VE-1D		9:30	SN# 2733		TOC-15		X	29	3.0		
VE-2S		1000	24182-650		TOC-15		X	28.5	2.5		
VE-2D		950	4742-653		TOC-15		X	29	3		
VE-3D		10:19	SN# 4705		TOC-15		X	29.5	3.0		
VE-3S		1040	4712-641		TOC-15		X	30	2.5		

Relinquished By:	Date:	Time:	Received By:
[signature]	9/1/09	1635	[signature]
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

Temp (°C): _____ Work Order #: _____

Condition: _____

Custody Seals Intact?: Yes ____ No ____ None ____

Shipped Via: _____

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0909041 **ClientCode: EPB**

☐ WaterTrax ☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Mehrdad
Endpoint
98 Battery Street, Suite 200
San Francisco, CA 94111
415-706-8935 FAX

Email:
cc:
PO:
ProjectNo: Dublin

Bill to:
Accounts Payable
Endpoint
98 Battery Street, Suite 200
San Francisco, CA 94111
cage2usa@aol.com

Requested TAT: 5 days

Date Received: **09/01/2009**
Date Printed: **09/04/2009**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0909041-001	Carbon eff	Soil Vapor	9/1/2009 9:00	☐	A											
0909041-002	Carbon Influ.	Soil Vapor	9/1/2009 9:05	☐	A											
0909041-003	VE-1S	Soil Vapor	9/1/2009 9:10	☐	A											
0909041-004	VE-1D	Soil Vapor	9/1/2009 9:30	☐	A											
0909041-005	VE-2S	Soil Vapor	9/1/2009 10:00	☐	A											
0909041-006	VE-2D	Soil Vapor	9/1/2009 9:50	☐	A											
0909041-007	VE-3D	Soil Vapor	9/1/2009 10:19	☐	A											
0909041-008	VE-3S	Soil Vapor	9/1/2009 10:40	☐	A											

Test Legend:

1	TO15_SOIL(UG/M3)	2		3		4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A contain testgroup.

Prepared by: Melissa Valles

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **Endpoint**
Date and Time Received: **9/1/2009 4:35:00 PM**

Project Name: **Dublin**
Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0909041** Matrix Soil Vapor
Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☐	No ☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp:		NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☐	No ☑	

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Endpoint	Client Project ID: Dublin	Date Sampled: 09/01/09
		Date Received: 09/01/09
98 Battery Street, Suite 200	Client Contact: Mehrdad	Date Extracted: 09/03/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/03/09

Leak Check Compound*

Extraction method: TO15 Analytical methods: TO15 Work Order: 0909041

Lab ID	Client ID	Matrix	Initial Pressure	Final Pressure	Isopropyl Alcohol	DF	% SS	Comments
001A	Carbon eff	Soil Vapor	12.2	24.32	ND	1	N/A	
002A	Carbon Influ.	Soil Vapor	12.69	25.34	ND	1	N/A	
003A	VE-1S	Soil Vapor	12.43	24.8	ND	1	N/A	
004A	VE-1D	Soil Vapor	12.89	25.68	ND	1	N/A	
005A	VE-2S	Soil Vapor	13.17	26.3	ND	1	N/A	
006A	VE-2D	Soil Vapor	12.56	25.04	ND	1	N/A	
007A	VE-3D	Soil Vapor	13.02	25.94	ND	1	N/A	
008A	VE-3S	Soil Vapor	12.62	25.16	ND	1	N/A	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	psia	psia	NA	NA
	Soil Vapor	psia	psia	10	µg/L

* leak check compound is reported in µg/L. The IPA reference is DTSC, Advisory-Active Soil Gas Investigations, January 28, 2003, page 10, section 2.4.2:

"Tracer compounds, such as ...isopropanol..., may be used as leak check compounds, if a detection limit of 10 ug/L or less can be achieved."
This implies that 10 µg/L is the cut off definition for a leak, which equals 10,000 µg/m³.
The other low IPA hits may be due to extremely small leaks or may be naturally occuring in soil gas, particularly at biologically active sites.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Endpoint	Client Project ID: Dublin	Date Sampled: 09/01/09
		Date Received: 09/01/09
98 Battery Street, Suite 200	Client Contact: Mehrdad	Date Extracted: 09/03/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed 09/03/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909041

Lab ID	0909041-001A	Initial Pressure (psia)	12.2
Client ID	Carbon eff	Final Pressure (psia)	24.3
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	ND	1.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	99	%SS2:	102
%SS3:	107		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

McCampbell Analytical, Inc.
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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Endpoint	Client Project ID: Dublin	Date Sampled: 09/01/09
		Date Received: 09/01/09
98 Battery Street, Suite 200	Client Contact: Mehrdad	Date Extracted: 09/03/09-09/11/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed 09/03/09-09/11/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909041

Lab ID	0909041-002A	Initial Pressure (psia)	12.7
Client ID	Carbon Influ.	Final Pressure (psia)	25.3
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	560	1.0	14	Tetrahydrofuran	750	2.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	95	%SS2:	102
%SS3:	107		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Endpoint	Client Project ID: Dublin	Date Sampled: 09/01/09
		Date Received: 09/01/09
98 Battery Street, Suite 200	Client Contact: Mehrdad	Date Extracted: 09/03/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed 09/03/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909041

Lab ID	0909041-003A	Initial Pressure (psia)	12.4
Client ID	VE-1S	Final Pressure (psia)	24.8
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	23	1.0	14	Tetrahydrofuran	37	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	98	%SS2:	102
%SS3:	106		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Endpoint	Client Project ID: Dublin	Date Sampled: 09/01/09
		Date Received: 09/01/09
98 Battery Street, Suite 200	Client Contact: Mehrdad	Date Extracted: 09/03/09-09/11/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed 09/03/09-09/11/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909041

Lab ID	0909041-004A	Initial Pressure (psia)	12.9
Client ID	VE-1D	Final Pressure (psia)	25.7
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	300	1.0	14	Tetrahydrofuran	1000	4.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	96	%SS2:	102
%SS3:	106		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Telephone: 877-252-9262 Fax: 925-252-9269

Endpoint	Client Project ID: Dublin	Date Sampled: 09/01/09
		Date Received: 09/01/09
98 Battery Street, Suite 200	Client Contact: Mehrdad	Date Extracted: 09/03/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed 09/03/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909041

Lab ID	0909041-005A	Initial Pressure (psia)	13.2
Client ID	VE-2S	Final Pressure (psia)	26.3
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	ND	1.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	98	%SS2:	103
%SS3:	108		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: Dublin	Date Sampled: 09/01/09
		Date Received: 09/01/09
98 Battery Street, Suite 200	Client Contact: Mehrdad	Date Extracted: 09/03/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed 09/03/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909041

Lab ID	0909041-006A	Initial Pressure (psia)	12.6
Client ID	VE-2D	Final Pressure (psia)	25.0
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	ND	1.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	98	%SS2:	102
%SS3:	107		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: Dublin	Date Sampled: 09/01/09
		Date Received: 09/01/09
98 Battery Street, Suite 200	Client Contact: Mehrdad	Date Extracted: 09/03/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed 09/03/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909041

Lab ID	0909041-007A	Initial Pressure (psia)	13.0
Client ID	VE-3D	Final Pressure (psia)	25.9
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	24	1.0	14	Tetrahydrofuran	66	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	97	%SS2:	102
%SS3:	107		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

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Endpoint	Client Project ID: Dublin	Date Sampled: 09/01/09
		Date Received: 09/01/09
98 Battery Street, Suite 200	Client Contact: Mehrdad	Date Extracted: 09/03/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed 09/03/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909041

Lab ID	0909041-008A	Initial Pressure (psia)	12.6
Client ID	VE-3S	Final Pressure (psia)	25.2
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	30	1.0	14	Tetrahydrofuran	54	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	100	%SS2:	104
%SS3:	108		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: Dublin	Date Sampled: 09/01/09
		Date Received: 09/01/09
98 Battery Street, Suite 200	Client Contact: Mehrdad	Date Extracted: 09/03/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed 09/03/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909041

Lab ID	0909041-001A	Initial Pressure (psia)	12.2
Client ID	Carbon eff	Final Pressure (psia)	24.3
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	ND	1.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	99	%SS2:	102
%SS3:	107		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: Dublin	Date Sampled: 09/01/09
		Date Received: 09/01/09
98 Battery Street, Suite 200	Client Contact: Mehrdad	Date Extracted: 09/03/09-09/11/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed 09/03/09-09/11/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909041

Lab ID	0909041-002A	Initial Pressure (psia)	12.7
Client ID	Carbon Influ.	Final Pressure (psia)	25.3
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	81	1.0	2.0	Tetrahydrofuran	250	2.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	95	%SS2:	102
%SS3:	107		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: Dublin	Date Sampled: 09/01/09
		Date Received: 09/01/09
98 Battery Street, Suite 200	Client Contact: Mehrdad	Date Extracted: 09/03/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed 09/03/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909041

Lab ID	0909041-003A	Initial Pressure (psia)	12.4
Client ID	VE-1S	Final Pressure (psia)	24.8
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	3.3	1.0	2.0	Tetrahydrofuran	12	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	98	%SS2:	102
%SS3:	106		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: Dublin	Date Sampled: 09/01/09
		Date Received: 09/01/09
98 Battery Street, Suite 200	Client Contact: Mehrdad	Date Extracted: 09/03/09-09/11/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed 09/03/09-09/11/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909041

Lab ID	0909041-004A	Initial Pressure (psia)	12.9
Client ID	VE-1D	Final Pressure (psia)	25.7
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	43	1.0	2.0	Tetrahydrofuran	340	4.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	96	%SS2:	102
%SS3:	106		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: Dublin	Date Sampled: 09/01/09
		Date Received: 09/01/09
98 Battery Street, Suite 200	Client Contact: Mehrdad	Date Extracted: 09/03/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed 09/03/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909041

Lab ID	0909041-005A	Initial Pressure (psia)	13.2
Client ID	VE-2S	Final Pressure (psia)	26.3
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	ND	1.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	98	%SS2:	103
%SS3:	108		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: Dublin	Date Sampled: 09/01/09
		Date Received: 09/01/09
98 Battery Street, Suite 200	Client Contact: Mehrdad	Date Extracted: 09/03/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed 09/03/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909041

Lab ID	0909041-006A	Initial Pressure (psia)	12.6
Client ID	VE-2D	Final Pressure (psia)	25.0
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	ND	1.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	98	%SS2:	102
%SS3:	107		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: Dublin	Date Sampled: 09/01/09
		Date Received: 09/01/09
98 Battery Street, Suite 200	Client Contact: Mehrdad	Date Extracted: 09/03/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed 09/03/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909041

Lab ID	0909041-007A	Initial Pressure (psia)	13.0
Client ID	VE-3D	Final Pressure (psia)	25.9
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	3.5	1.0	2.0	Tetrahydrofuran	22	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	97	%SS2:	102
%SS3:	107		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: Dublin	Date Sampled: 09/01/09
		Date Received: 09/01/09
98 Battery Street, Suite 200	Client Contact: Mehrdad	Date Extracted: 09/03/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed 09/03/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909041

Lab ID	0909041-008A	Initial Pressure (psia)	12.6
Client ID	VE-3S	Final Pressure (psia)	25.2
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	4.4	1.0	2.0	Tetrahydrofuran	18	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	100	%SS2:	104
%SS3:	108		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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QC SUMMARY REPORT FOR TO15

W.O. Sample Matrix: Soil Vapor QC Matrix: Soil Vapor BatchID: 45468 WorkOrder 0909041

EPA Method TO15 **Extraction TO15** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	nL/L	nL/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Acrylonitrile	N/A	25	N/A	N/A	N/A	112	110	2.16	N/A	N/A	70 - 130	30
tert-Amyl methyl ether (TAME)	N/A	25	N/A	N/A	N/A	109	106	1.93	N/A	N/A	70 - 130	30
Benzene	N/A	25	N/A	N/A	N/A	109	107	1.54	N/A	N/A	70 - 130	30
Benzyl chloride	N/A	25	N/A	N/A	N/A	94.2	94.6	0.436	N/A	N/A	70 - 130	30
Bromodichloromethane	N/A	25	N/A	N/A	N/A	117	115	1.60	N/A	N/A	70 - 130	30
Bromoform	N/A	25	N/A	N/A	N/A	105	106	0.717	N/A	N/A	70 - 130	30
Bromomethane	N/A	25	N/A	N/A	N/A	110	112	2.32	N/A	N/A	70 - 130	30
1,3-Butadiene	N/A	25	N/A	N/A	N/A	98.4	104	5.17	N/A	N/A	70 - 130	30
t-Butyl alcohol (TBA)	N/A	25	N/A	N/A	N/A	100	101	0.788	N/A	N/A	70 - 130	30
Carbon Disulfide	N/A	25	N/A	N/A	N/A	109	109	0	N/A	N/A	70 - 130	30
Carbon Tetrachloride	N/A	25	N/A	N/A	N/A	121	120	0.776	N/A	N/A	70 - 130	30
Chlorobenzene	N/A	25	N/A	N/A	N/A	113	113	0	N/A	N/A	70 - 130	30
Chloroethane	N/A	25	N/A	N/A	N/A	104	105	1.43	N/A	N/A	70 - 130	30
Chloroform	N/A	25	N/A	N/A	N/A	112	111	0.895	N/A	N/A	70 - 130	30
Chloromethane	N/A	25	N/A	N/A	N/A	89.9	95.1	5.62	N/A	N/A	70 - 130	30
Dibromochloromethane	N/A	25	N/A	N/A	N/A	96.1	95.9	0.246	N/A	N/A	70 - 130	30
1,2-Dibromo-3-chloropropane	N/A	25	N/A	N/A	N/A	92.9	92.1	0.822	N/A	N/A	70 - 130	30
1,2-Dibromoethane (EDB)	N/A	25	N/A	N/A	N/A	103	103	0	N/A	N/A	70 - 130	30
1,2-Dichlorobenzene	N/A	25	N/A	N/A	N/A	96.8	96.9	0.147	N/A	N/A	70 - 130	30
1,3-Dichlorobenzene	N/A	25	N/A	N/A	N/A	110	110	0	N/A	N/A	70 - 130	30
1,4-Dichlorobenzene	N/A	25	N/A	N/A	N/A	101	101	0	N/A	N/A	70 - 130	30
Dichlorodifluoromethane	N/A	25	N/A	N/A	N/A	80.5	87.3	8.14	N/A	N/A	70 - 130	30
1,1-Dichloroethane	N/A	25	N/A	N/A	N/A	110	110	0	N/A	N/A	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	N/A	25	N/A	N/A	N/A	116	115	1.45	N/A	N/A	70 - 130	30
1,1-Dichloroethene	N/A	25	N/A	N/A	N/A	109	110	0.652	N/A	N/A	70 - 130	30
cis-1,2-Dichloroethene	N/A	25	N/A	N/A	N/A	115	113	1.30	N/A	N/A	70 - 130	30
trans-1,2-Dichloroethene	N/A	25	N/A	N/A	N/A	107	107	0	N/A	N/A	70 - 130	30
1,2-Dichloropropane	N/A	25	N/A	N/A	N/A	103	102	0.987	N/A	N/A	70 - 130	30
cis-1,3-Dichloropropene	N/A	25	N/A	N/A	N/A	97	97.4	0.379	N/A	N/A	70 - 130	30
trans-1,3-Dichloropropene	N/A	25	N/A	N/A	N/A	105	105	0	N/A	N/A	70 - 130	30
1,2-Dichloro-1,1,2,2-tetrafluoroetha	N/A	25	N/A	N/A	N/A	99.4	102	2.81	N/A	N/A	70 - 130	30

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR TO15

W.O. Sample Matrix: Soil Vapor QC Matrix: Soil Vapor BatchID: 45468 WorkOrder 0909041

EPA Method TO15 **Extraction TO15** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	nL/L	nL/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Diisopropyl ether (DIPE)	N/A	25	N/A	N/A	N/A	112	111	0.723	N/A	N/A	70 - 130	30
1,4-Dioxane	N/A	25	N/A	N/A	N/A	93.2	92.2	1.16	N/A	N/A	70 - 130	30
Ethyl acetate	N/A	25	N/A	N/A	N/A	118	116	1.34	N/A	N/A	70 - 130	30
Ethyl tert-butyl ether (ETBE)	N/A	25	N/A	N/A	N/A	112	110	1.52	N/A	N/A	70 - 130	30
Ethylbenzene	N/A	25	N/A	N/A	N/A	109	109	0	N/A	N/A	70 - 130	30
Freon 113	N/A	25	N/A	N/A	N/A	107	108	0.998	N/A	N/A	70 - 130	30
Hexachlorobutadiene	N/A	25	N/A	N/A	N/A	109	110	0.235	N/A	N/A	70 - 130	30
4-Methyl-2-pentanone (MIBK)	N/A	25	N/A	N/A	N/A	116	116	0	N/A	N/A	70 - 130	30
Methyl-t-butyl ether (MTBE)	N/A	25	N/A	N/A	N/A	113	113	0	N/A	N/A	70 - 130	30
Methylene chloride	N/A	25	N/A	N/A	N/A	96	94.5	1.55	N/A	N/A	70 - 130	30
Naphthalene	N/A	25	N/A	N/A	N/A	103	101	1.94	N/A	N/A	70 - 130	30
Styrene	N/A	25	N/A	N/A	N/A	96.2	96.5	0.363	N/A	N/A	70 - 130	30
1,1,1,2-Tetrachloroethane	N/A	25	N/A	N/A	N/A	113	113	0	N/A	N/A	70 - 130	30
1,1,2,2-Tetrachloroethane	N/A	25	N/A	N/A	N/A	107	107	0	N/A	N/A	70 - 130	30
Tetrachloroethene	N/A	25	N/A	N/A	N/A	114	114	0	N/A	N/A	70 - 130	30
Tetrahydrofuran	N/A	25	N/A	N/A	N/A	92.1	91.1	1.11	N/A	N/A	70 - 130	30
Toluene	N/A	25	N/A	N/A	N/A	114	114	0	N/A	N/A	70 - 130	30
1,2,4-Trichlorobenzene	N/A	25	N/A	N/A	N/A	101	99.6	1.58	N/A	N/A	70 - 130	30
1,1,1-Trichloroethane	N/A	25	N/A	N/A	N/A	113	112	0.959	N/A	N/A	70 - 130	30
1,1,2-Trichloroethane	N/A	25	N/A	N/A	N/A	113	114	0.848	N/A	N/A	70 - 130	30
Trichloroethene	N/A	25	N/A	N/A	N/A	107	106	0.897	N/A	N/A	70 - 130	30
1,2,4-Trimethylbenzene	N/A	25	N/A	N/A	N/A	108	108	0	N/A	N/A	70 - 130	30
1,3,5-Trimethylbenzene	N/A	25	N/A	N/A	N/A	107	107	0	N/A	N/A	70 - 130	30
Vinyl Chloride	N/A	25	N/A	N/A	N/A	106	96.6	9.56	N/A	N/A	70 - 130	30
Xylenes	N/A	75	N/A	N/A	N/A	113	113	0	N/A	N/A	70 - 130	30
%SS1:	N/A	500	N/A	N/A	N/A	103	102	1.29	N/A	N/A	70 - 130	30
%SS2:	N/A	500	N/A	N/A	N/A	105	104	0.488	N/A	N/A	70 - 130	30
%SS3:	N/A	500	N/A	N/A	N/A	105	105	0	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

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"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR TO15

W.O. Sample Matrix: Soil Vapor QC Matrix: Soil Vapor BatchID: 45468 WorkOrder 0909041

EPA Method TO15 **Extraction TO15** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	nL/L	nL/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD

BATCH 45468 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0909041-001A	09/01/09 9:00 AM	09/03/09	09/03/09 9:42 PM	0909041-002A	09/01/09 9:05 AM	09/03/09	09/03/09 6:45 PM
0909041-002A	09/01/09 9:05 AM	09/11/09	09/11/09 9:34 AM	0909041-003A	09/01/09 9:10 AM	09/03/09	09/03/09 10:30 PM
0909041-004A	09/01/09 9:30 AM	09/03/09	09/03/09 7:26 PM	0909041-004A	09/01/09 9:30 AM	09/11/09	09/11/09 10:14 AM
0909041-005A	09/01/09 10:00 AM	09/03/09	09/03/09 11:59 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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DHS ELAP Certification 1644

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR TO15

W.O. Sample Matrix: Soil Vapor QC Matrix: Soil Vapor BatchID: 45551 WorkOrder 0909041

EPA Method TO15 **Extraction TO15** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	nL/L	nL/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Acrylonitrile	N/A	25	N/A	N/A	N/A	102	106	3.86	N/A	N/A	70 - 130	30
tert-Amyl methyl ether (TAME)	N/A	25	N/A	N/A	N/A	99.9	104	3.53	N/A	N/A	70 - 130	30
Benzene	N/A	25	N/A	N/A	N/A	99	103	3.56	N/A	N/A	70 - 130	30
Benzyl chloride	N/A	25	N/A	N/A	N/A	97.4	101	3.58	N/A	N/A	70 - 130	30
Bromodichloromethane	N/A	25	N/A	N/A	N/A	108	112	4.03	N/A	N/A	70 - 130	30
Bromoform	N/A	25	N/A	N/A	N/A	106	109	3.16	N/A	N/A	70 - 130	30
Bromomethane	N/A	25	N/A	N/A	N/A	71.3	71.2	0.183	N/A	N/A	70 - 130	30
t-Butyl alcohol (TBA)	N/A	25	N/A	N/A	N/A	100	106	5.40	N/A	N/A	70 - 130	30
Carbon Disulfide	N/A	25	N/A	N/A	N/A	111	113	1.26	N/A	N/A	70 - 130	30
Carbon Tetrachloride	N/A	25	N/A	N/A	N/A	112	116	3.14	N/A	N/A	70 - 130	30
Chlorobenzene	N/A	25	N/A	N/A	N/A	117	122	3.94	N/A	N/A	70 - 130	30
Chloroethane	N/A	25	N/A	N/A	N/A	70	70.9	1.26	N/A	N/A	70 - 130	30
Chloroform	N/A	25	N/A	N/A	N/A	108	112	3.46	N/A	N/A	70 - 130	30
Chloromethane	N/A	25	N/A	N/A	N/A	87.3	85.3	2.33	N/A	N/A	70 - 130	30
Dibromochloromethane	N/A	25	N/A	N/A	N/A	97.7	102	4.42	N/A	N/A	70 - 130	30
1,2-Dibromo-3-chloropropane	N/A	25	N/A	N/A	N/A	103	106	2.60	N/A	N/A	70 - 130	30
1,2-Dibromoethane (EDB)	N/A	25	N/A	N/A	N/A	122	127	4.12	N/A	N/A	70 - 130	30
1,2-Dichlorobenzene	N/A	25	N/A	N/A	N/A	103	106	3.24	N/A	N/A	70 - 130	30
1,3-Dichlorobenzene	N/A	25	N/A	N/A	N/A	115	120	4.00	N/A	N/A	70 - 130	30
1,4-Dichlorobenzene	N/A	25	N/A	N/A	N/A	106	110	3.96	N/A	N/A	70 - 130	30
Dichlorodifluoromethane	N/A	25	N/A	N/A	N/A	92.4	88.3	4.54	N/A	N/A	70 - 130	30
1,1-Dichloroethane	N/A	25	N/A	N/A	N/A	105	108	2.73	N/A	N/A	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	N/A	25	N/A	N/A	N/A	112	116	3.61	N/A	N/A	70 - 130	30
1,1-Dichloroethene	N/A	25	N/A	N/A	N/A	116	118	1.98	N/A	N/A	70 - 130	30
cis-1,2-Dichloroethene	N/A	25	N/A	N/A	N/A	115	119	3.54	N/A	N/A	70 - 130	30
trans-1,2-Dichloroethene	N/A	25	N/A	N/A	N/A	106	108	2.05	N/A	N/A	70 - 130	30
1,2-Dichloropropane	N/A	25	N/A	N/A	N/A	94.4	97.8	3.55	N/A	N/A	70 - 130	30
cis-1,3-Dichloropropene	N/A	25	N/A	N/A	N/A	96.9	101	4.12	N/A	N/A	70 - 130	30
trans-1,3-Dichloropropene	N/A	25	N/A	N/A	N/A	124	128	3.77	N/A	N/A	70 - 130	30
1,2-Dichloro-1,1,2,2-tetrafluoroetha	N/A	25	N/A	N/A	N/A	97.2	96.6	0.659	N/A	N/A	70 - 130	30
Diisopropyl ether (DIPE)	N/A	25	N/A	N/A	N/A	96	99.2	3.29	N/A	N/A	70 - 130	30

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

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QC SUMMARY REPORT FOR TO15

W.O. Sample Matrix: Soil Vapor QC Matrix: Soil Vapor BatchID: 45551 WorkOrder 0909041

EPA Method TO15 **Extraction TO15** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	nL/L	nL/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
1,4-Dioxane	N/A	25	N/A	N/A	N/A	93.7	97.2	3.60	N/A	N/A	70 - 130	30
Ethyl acetate	N/A	25	N/A	N/A	N/A	106	109	2.96	N/A	N/A	70 - 130	30
Ethyl tert-butyl ether (ETBE)	N/A	25	N/A	N/A	N/A	105	108	3.15	N/A	N/A	70 - 130	30
Ethylbenzene	N/A	25	N/A	N/A	N/A	107	111	3.69	N/A	N/A	70 - 130	30
Freon 113	N/A	25	N/A	N/A	N/A	104	106	1.79	N/A	N/A	70 - 130	30
Hexachlorobutadiene	N/A	25	N/A	N/A	N/A	111	116	4.47	N/A	N/A	70 - 130	30
4-Methyl-2-pentanone (MIBK)	N/A	25	N/A	N/A	N/A	107	111	4.06	N/A	N/A	70 - 130	30
Methyl-t-butyl ether (MTBE)	N/A	25	N/A	N/A	N/A	107	110	2.72	N/A	N/A	70 - 130	30
Methylene chloride	N/A	25	N/A	N/A	N/A	94.7	98.2	3.68	N/A	N/A	70 - 130	30
Naphthalene	N/A	25	N/A	N/A	N/A	115	120	4.38	N/A	N/A	70 - 130	30
Styrene	N/A	25	N/A	N/A	N/A	121	125	3.84	N/A	N/A	70 - 130	30
1,1,1,2-Tetrachloroethane	N/A	25	N/A	N/A	N/A	118	123	3.94	N/A	N/A	70 - 130	30
1,1,2,2-Tetrachloroethane	N/A	25	N/A	N/A	N/A	104	108	4.01	N/A	N/A	70 - 130	30
Tetrachloroethene	N/A	25	N/A	N/A	N/A	119	123	3.82	N/A	N/A	70 - 130	30
Tetrahydrofuran	N/A	25	N/A	N/A	N/A	84.8	88.3	4.03	N/A	N/A	70 - 130	30
Toluene	N/A	25	N/A	N/A	N/A	116	120	3.45	N/A	N/A	70 - 130	30
1,2,4-Trichlorobenzene	N/A	25	N/A	N/A	N/A	108	112	3.93	N/A	N/A	70 - 130	30
1,1,1-Trichloroethane	N/A	25	N/A	N/A	N/A	107	111	3.47	N/A	N/A	70 - 130	30
1,1,2-Trichloroethane	N/A	25	N/A	N/A	N/A	115	121	4.53	N/A	N/A	70 - 130	30
Trichloroethene	N/A	25	N/A	N/A	N/A	106	110	3.86	N/A	N/A	70 - 130	30
1,2,4-Trimethylbenzene	N/A	25	N/A	N/A	N/A	108	112	3.94	N/A	N/A	70 - 130	30
1,3,5-Trimethylbenzene	N/A	25	N/A	N/A	N/A	106	107	0.708	N/A	N/A	70 - 130	30
Vinyl Chloride	N/A	25	N/A	N/A	N/A	82.9	82.5	0.435	N/A	N/A	70 - 130	30
Xylenes	N/A	75	N/A	N/A	N/A	113	117	4.24	N/A	N/A	70 - 130	30
%SS1:	N/A	500	N/A	N/A	N/A	96	100	4.13	N/A	N/A	70 - 130	30
%SS2:	N/A	500	N/A	N/A	N/A	100	104	4.21	N/A	N/A	70 - 130	30
%SS3:	N/A	500	N/A	N/A	N/A	106	110	4.02	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

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QC SUMMARY REPORT FOR TO15

W.O. Sample Matrix: Soil Vapor QC Matrix: Soil Vapor BatchID: 45551 WorkOrder 0909041

EPA Method TO15 **Extraction TO15** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	nL/L	nL/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD

BATCH 45551 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0909041-006A	09/01/09 9:50 AM	09/03/09	09/03/09 11:13 PM	0909041-007A	09/01/09 10:19 AM	09/03/09	09/03/09 8:57 PM
0909041-008A	09/01/09 10:40 AM	09/03/09	09/03/09 8:08 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

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Telephone: 877-252-9262 Fax: 925-252-9269

Endpoint 98 Battery Street, Suite 200 San Francisco, CA 94111	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
	Client Contact: Mehrdad Javaher	Date Reported: 10/05/09
	Client P.O.:	Date Completed: 10/02/09

WorkOrder: 0909838

October 05, 2009

Dear Mehrdad:

Enclosed within are:

1) The results of the **13** analyzed samples from your project: **#B1-090928; Crow Canyon Dry Clea**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

Confluence Environmental, Inc.
3308 El Camino Ave, Suite 300 #148
Sacramento, CA 95821
916-760-7641 - main
916-473-8617 - fax
www.confluence-env.com

C
CONFLUENCE

Chain of Custody

Project Name: Crow Canyon Dry Cleaners

Job Number: 171-090928

TAT: (STANDARD) 5 DAY 2 DAY 24 HOUR OTHER: 0909838

Lab: **McCampbell**	Site Address: 7272 San Ramon Rd, Dublin	Confluence PM: Jason Brown
Address: 1534 Willow Pass Rd, Pittsburg	California Global ID No.:	Phone / Fax: 916-760-7641 / 916-473-8617
Contact:	Include EDF w/ Report: (Yes) No	Confluence Log Code: **CESC**
Phone/ Fax: 925-252-9262	Consultant / PM: Endpoint / Jing Heisler	Report to: Jing Heisler & Mehrdad Javaherian
	Phone / Fax: 650-343-4633	Invoice to: Endpoint

	Sample ID	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Preservative: Summa	Requested Analysis: ~~PCE~~ TO-15										Notes and Comments
	VE-1S	1052	9/28			X		1						X	X										
	VE-1D	1058				X		1						X	X										
	VE-2S	1115				X		1						X	X										
	VE-2D	1110				X		1						X	X										
	VE-3S	1015				X		1						X	X										
	VE-3D	1030				X		1						X	X										
	VM-4S	1005				X		1						X	X										
	VM-1S	1137				X		1						X	X										
	VM-1D	1044				X		1						X	X										
	VM-3S	1104				X		1						X	X										

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: J Brown						
Sampler's Company: Confluence Environmental	J Brown	9/29	1430	Enviratech RC	9/29	1430
Shipment Date:	Enviratech RCBW	20:30	9/29	[signature]	9/29	8:30pm
Shipment Method:						

Special Instructions:

ICE/t° ✓
GOOD CONDITION ✓ APPROPRIATE
HEAD SPACE ABSENT ____ CONTAINERS ✓
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION ____ VOAS | O & G | METALS | OTHER

Confluence Environmental, Inc.
3308 El Camino Ave, Suite 300 #148
Sacramento, CA 95821
916-760-7641 - main
916-473-8617 - fax
www.confluence-env.com

Chain of Custody

Project Name: Crow Canyon Dry Cleaners

Job Number: 31-070922

TAT: (STANDARD) 5 DAY 2 DAY 24 HOUR OTHER:

Lab: **McCampbell**	Site Address: 7272 San Ramon Rd, Dublin	Confluence PM: Jason Brown
Address: 1534 Willow Pass Rd, Pittsburg	California Global ID No.:	Phone / Fax: 916-760-7641 / 916-473-8617
Contact:	Include EDF w/ Report: (Yes) No	Confluence Log Code: **CESC**
Phone/ Fax: 925-252-9262	Consultant / PM: Endpoint / Jing Heisler	Report to: Jing Heisler & Mehrdad Javaherian
	Phone / Fax: 650-343-4633	Invoice to: Endpoint

	Sample ID	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Preservative: Summa	Requested Analysis: ~~pcE~~ TOC-15	Requested Analysis	Requested Analysis	Requested Analysis	Requested Analysis	Requested Analysis	Requested Analysis	Requested Analysis	Requested Analysis	Notes and Comments
	VM-3D	1120	9/28			X		1						X	X									
	Inf	1123				X		1						X	X									
	Eff	1145				X		1						X	X									

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: J Brown						
Sampler's Company: Confluence Environmental		9/29	1430	Enviroteck RC	9/29	1430
Shipment Date:	Enviroteck RC BLW	20:30	9/29		9/29	8:30PM
Shipment Method:						

Special Instructions:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0909838 **ClientCode: EPB**

☐ WaterTrax ☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Mehrdad Javaher
Endpoint
98 Battery Street, Suite 200
San Francisco, CA 94111
415-706-8935 FAX

Email: mehrdad@endpoint-inc.com
cc: jing@endpoint-inc.com
PO:
ProjectNo: #B1-090928; Crow Canyon Dry Cleaners

Bill to:
Accounts Payable
Endpoint
98 Battery Street, Suite 200
San Francisco, CA 94111
cage2usa@aol.com

Requested TAT: 5 days

Date Received: **09/29/2009**
Date Printed: **09/30/2009**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0909838-001	VE-1S	Soil Vapor	9/28/2009 10:52	☐	A											
0909838-002	VE-1D	Soil Vapor	9/28/2009 10:58	☐	A											
0909838-003	VE-2S	Soil Vapor	9/28/2009 11:15	☐	A											
0909838-004	VE-2D	Soil Vapor	9/28/2009 11:10	☐	A											
0909838-005	VE-3S	Soil Vapor	9/28/2009 10:15	☐	A											
0909838-006	VE-3D	Soil Vapor	9/28/2009 10:30	☐	A											
0909838-007	VM-4S	Soil Vapor	9/28/2009 10:05	☐	A											
0909838-008	VM-1S	Soil Vapor	9/28/2009 11:39	☐	A											
0909838-009	VM-1D	Soil Vapor	9/28/2009 10:44	☐	A											
0909838-010	VM-3S	Soil Vapor	9/28/2009 11:04	☐	A											
0909838-011	VM-3D	Soil Vapor	9/28/2009 11:20	☐	A											
0909838-012	Inf	Soil Vapor	9/28/2009 11:23	☐	A											
0909838-013	Eff	Soil Vapor	9/28/2009 11:45	☐	A											

Test Legend:

1	TO15_SOIL(UG/M3)	2		3		4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A, 009A, 010A, 011A, 012A, 013A contain testgroup.

Prepared by: Melissa Valles

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **Endpoint**

Date and Time Received: **9/29/2009 8:30:00 AM**

Project Name: **#B1-090928; Crow Canyon Dry Cleaners**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0909838** Matrix Soil Vapor

Carrier: EnviroTech (RC)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp:		NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☐	No ☑	

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 09/30/09-10/01/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/30/09-10/01/09

Leak Check Compound*

Extraction method: TO15 Analytical methods: TO15 Work Order: 0909838

Lab ID	Client ID	Matrix	Initial Pressure	Final Pressure	Isopropyl Alcohol	DF	% SS	Comments
001A	VE-1S	Soil Vapor	12.69	25.32	ND	1	N/A	
002A	VE-1D	Soil Vapor	12.48	24.94	ND	1	N/A	
003A	VE-2S	Soil Vapor	12.59	25.08	ND	1	N/A	
004A	VE-2D	Soil Vapor	12.33	24.66	ND	1	N/A	
005A	VE-3S	Soil Vapor	12.17	24.24	ND	1	N/A	
006A	VE-3D	Soil Vapor	12.42	24.76	ND	1	N/A	
007A	VM-4S	Soil Vapor	11.96	23.88	ND	1	N/A	
008A	VM-1S	Soil Vapor	12.33	24.62	ND	1	N/A	
009A	VM-1D	Soil Vapor	12.22	24.38	ND	1	N/A	
010A	VM-3S	Soil Vapor	12.82	25.56	ND	1	N/A	
011A	VM-3D	Soil Vapor	12.72	25.38	ND	1	N/A	
012A	Inf	Soil Vapor	11.88	23.66	ND	1	N/A	
013A	Eff	Soil Vapor	11.62	23.18	ND	1	N/A	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	psia	psia	NA	NA
	Soil Vapor	psia	psia	10	µg/L

* leak check compound is reported in µg/L. The IPA reference is DTSC, Advisory-Active Soil Gas Investigations, January 28, 2003, page 10, section 2.4.2:

"Tracer compounds, such as ...isopropanol..., may be used as leak check compounds, if a detection limit of 10 ug/L or less can be achieved."
This implies that 10 µg/L is the cut off definition for a leak, which equals 10,000 µg/m³.
The other low IPA hits may be due to extremely small leaks or may be naturally occuring in soil gas, particularly at biologically active sites.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 09/30/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/30/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-001A	Initial Pressure (psia)	12.7
Client ID	VE-1S	Final Pressure (psia)	25.3
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	29	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	ND	1.0	14	Tetrahydrofuran	6.0	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	97	%SS2:	102
%SS3:	104		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Telephone: 877-252-9262 Fax: 925-252-9269

Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 09/30/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/30/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-002A	Initial Pressure (psia)	12.5
Client ID	VE-1D	Final Pressure (psia)	24.9
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	ND	1.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	99	%SS2:	105
%SS3:	108		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 09/30/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/30/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-003A	Initial Pressure (psia)	12.6
Client ID	VE-2S	Final Pressure (psia)	25.1
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	200	1.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	97	%SS2:	103
%SS3:	105		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 09/30/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/30/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-004A	Initial Pressure (psia)	12.3
Client ID	VE-2D	Final Pressure (psia)	24.7
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	ND	1.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	97	%SS2:	103
%SS3:	106		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Telephone: 877-252-9262 Fax: 925-252-9269

Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 09/30/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/30/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-005A	Initial Pressure (psia)	12.2
Client ID	VE-3S	Final Pressure (psia)	24.2
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	13	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	38	1.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	98	%SS2:	104
%SS3:	108		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 09/30/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/30/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-006A	Initial Pressure (psia)	12.4
Client ID	VE-3D	Final Pressure (psia)	24.8
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	8.4	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	51	1.0	14	Tetrahydrofuran	18	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	99	%SS2:	104
%SS3:	107		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 09/30/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/30/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-007A	Initial Pressure (psia)	12
Client ID	VM-4S	Final Pressure (psia)	23.9
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	180	1.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	99	%SS2:	104
%SS3:	108		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 10/01/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 10/01/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-008A	Initial Pressure (psia)	12.3
Client ID	VM-1S	Final Pressure (psia)	24.6
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	ND	1.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	98	%SS2:	103
%SS3:	106		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

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Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 10/01/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 10/01/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-009A	Initial Pressure (psia)	12.2
Client ID	VM-1D	Final Pressure (psia)	24.4
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	16	1.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	98	%SS2:	103
%SS3:	106		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Telephone: 877-252-9262 Fax: 925-252-9269

Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 10/01/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 10/01/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-010A	Initial Pressure (psia)	12.8
Client ID	VM-3S	Final Pressure (psia)	25.6
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	9.0	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	55	1.0	14	Tetrahydrofuran	25	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	97	%SS2:	102
%SS3:	106		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 10/01/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 10/01/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-011A	Initial Pressure (psia)	12.7
Client ID	VM-3D	Final Pressure (psia)	25.4
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	ND	1.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	98	%SS2:	103
%SS3:	105		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

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Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 10/01/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 10/01/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-012A	Initial Pressure (psia)	11.9
Client ID	Inf	Final Pressure (psia)	23.7
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	280	1.0	14	Tetrahydrofuran	150	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	97	%SS2:	102
%SS3:	105		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 10/01/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 10/01/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-013A	Initial Pressure (psia)	11.6
Client ID	Eff	Final Pressure (psia)	23.2
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	Bromomethane	ND	1.0	7.9
1,3-Butadiene	ND	1.0	4.5	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroethane	ND	1.0	5.4	Chloroform	ND	1.0	9.9
Chloromethane	ND	1.0	4.2	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	ND	1.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	99	%SS2:	104
%SS3:	107		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

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Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 09/30/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/30/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-001A	Initial Pressure (psia)	12.7
Client ID	VE-1S	Final Pressure (psia)	25.3
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	7.8	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	ND	1.0	2.0	Tetrahydrofuran	2.0	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	97	%SS2:	102
%SS3:	104		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 09/30/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/30/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-002A	Initial Pressure (psia)	12.5
Client ID	VE-1D	Final Pressure (psia)	24.9
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	ND	1.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	99	%SS2:	105
%SS3:	108		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 09/30/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/30/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-003A	Initial Pressure (psia)	12.6
Client ID	VE-2S	Final Pressure (psia)	25.1
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	29	1.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	97	%SS2:	103
%SS3:	105		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 09/30/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/30/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-004A	Initial Pressure (psia)	12.3
Client ID	VE-2D	Final Pressure (psia)	24.7
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	ND	1.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	97	%SS2:	103
%SS3:	106		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 09/30/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/30/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-005A	Initial Pressure (psia)	12.2
Client ID	VE-3S	Final Pressure (psia)	24.2
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	4.0	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	5.5	1.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	98	%SS2:	104
%SS3:	108		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

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Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 09/30/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/30/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-006A	Initial Pressure (psia)	12.4
Client ID	VE-3D	Final Pressure (psia)	24.8
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	2.6	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	7.3	1.0	2.0	Tetrahydrofuran	6.1	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	99	%SS2:	104
%SS3:	107		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 09/30/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 09/30/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-007A	Initial Pressure (psia)	12
Client ID	VM-4S	Final Pressure (psia)	23.9
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	26	1.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	99	%SS2:	104
%SS3:	108		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 10/01/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 10/01/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-008A	Initial Pressure (psia)	12.3
Client ID	VM-1S	Final Pressure (psia)	24.6
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	ND	1.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	98	%SS2:	103
%SS3:	106		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 10/01/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 10/01/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-009A	Initial Pressure (psia)	12.2
Client ID	VM-1D	Final Pressure (psia)	24.4
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	2.3	1.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	98	%SS2:	103
%SS3:	106		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 10/01/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 10/01/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-010A	Initial Pressure (psia)	12.8
Client ID	VM-3S	Final Pressure (psia)	25.6
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	2.8	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	8.0	1.0	2.0	Tetrahydrofuran	8.3	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	97	%SS2:	102
%SS3:	106		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 10/01/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 10/01/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-011A	Initial Pressure (psia)	12.7
Client ID	VM-3D	Final Pressure (psia)	25.4
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	ND	1.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	98	%SS2:	103
%SS3:	105		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Telephone: 877-252-9262 Fax: 925-252-9269

Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 10/01/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 10/01/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-012A	Initial Pressure (psia)	11.9
Client ID	Inf	Final Pressure (psia)	23.7
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	41	1.0	2.0	Tetrahydrofuran	50	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	97	%SS2:	102
%SS3:	105		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-090928; Crow Canyon Dry Cleaners	Date Sampled: 09/28/09
		Date Received: 09/29/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 10/01/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 10/01/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0909838

Lab ID	0909838-013A	Initial Pressure (psia)	11.6
Client ID	Eff	Final Pressure (psia)	23.2
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	Bromomethane	ND	1.0	2.0
1,3-Butadiene	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroethane	ND	1.0	2.0	Chloroform	ND	1.0	2.0
Chloromethane	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	ND	1.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	99	%SS2:	104
%SS3:	107		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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QC SUMMARY REPORT FOR TO15

W.O. Sample Matrix: Soil Vapor QC Matrix: Soil Vapor BatchID: 46135 WorkOrder: 0909838

EPA Method TO15 **Extraction TO15** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	nL/L	nL/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Acrylonitrile	N/A	25	N/A	N/A	N/A	109	108	0.795	N/A	N/A	70 - 130	30
tert-Amyl methyl ether (TAME)	N/A	25	N/A	N/A	N/A	105	104	0.742	N/A	N/A	70 - 130	30
Benzene	N/A	25	N/A	N/A	N/A	106	105	1.35	N/A	N/A	70 - 130	30
Benzyl chloride	N/A	25	N/A	N/A	N/A	94.2	97.4	3.32	N/A	N/A	70 - 130	30
Bromodichloromethane	N/A	25	N/A	N/A	N/A	113	112	0.438	N/A	N/A	70 - 130	30
Bromoform	N/A	25	N/A	N/A	N/A	107	107	0	N/A	N/A	70 - 130	30
Bromomethane	N/A	25	N/A	N/A	N/A	101	99.8	1.13	N/A	N/A	70 - 130	30
1,3-Butadiene	N/A	25	N/A	N/A	N/A	94.7	94.4	0.379	N/A	N/A	70 - 130	30
t-Butyl alcohol (TBA)	N/A	25	N/A	N/A	N/A	97.9	99.1	1.23	N/A	N/A	70 - 130	30
Carbon Disulfide	N/A	25	N/A	N/A	N/A	108	108	0	N/A	N/A	70 - 130	30
Carbon Tetrachloride	N/A	25	N/A	N/A	N/A	120	119	0.770	N/A	N/A	70 - 130	30
Chlorobenzene	N/A	25	N/A	N/A	N/A	115	115	0	N/A	N/A	70 - 130	30
Chloroethane	N/A	25	N/A	N/A	N/A	86.3	85.7	0.730	N/A	N/A	70 - 130	30
Chloroform	N/A	25	N/A	N/A	N/A	110	109	0.529	N/A	N/A	70 - 130	30
Chloromethane	N/A	25	N/A	N/A	N/A	94.7	96	1.45	N/A	N/A	70 - 130	30
1,2-Dibromo-3-chloropropane	N/A	25	N/A	N/A	N/A	96.7	100	3.45	N/A	N/A	70 - 130	30
1,2-Dibromoethane (EDB)	N/A	25	N/A	N/A	N/A	118	118	0	N/A	N/A	70 - 130	30
1,2-Dichlorobenzene	N/A	25	N/A	N/A	N/A	97.7	102	4.47	N/A	N/A	70 - 130	30
1,3-Dichlorobenzene	N/A	25	N/A	N/A	N/A	112	115	3.17	N/A	N/A	70 - 130	30
1,4-Dichlorobenzene	N/A	25	N/A	N/A	N/A	103	106	3.55	N/A	N/A	70 - 130	30
Dichlorodifluoromethane	N/A	25	N/A	N/A	N/A	91.7	91.3	0.402	N/A	N/A	70 - 130	30
1,1-Dichloroethane	N/A	25	N/A	N/A	N/A	107	107	0	N/A	N/A	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	N/A	25	N/A	N/A	N/A	114	114	0	N/A	N/A	70 - 130	30
1,1-Dichloroethene	N/A	25	N/A	N/A	N/A	113	113	0	N/A	N/A	70 - 130	30
cis-1,2-Dichloroethene	N/A	25	N/A	N/A	N/A	113	115	1.05	N/A	N/A	70 - 130	30
trans-1,2-Dichloroethene	N/A	25	N/A	N/A	N/A	108	107	0.911	N/A	N/A	70 - 130	30
1,2-Dichloropropane	N/A	25	N/A	N/A	N/A	98.1	97.6	0.513	N/A	N/A	70 - 130	30
cis-1,3-Dichloropropene	N/A	25	N/A	N/A	N/A	94.8	94.9	0.169	N/A	N/A	70 - 130	30
trans-1,3-Dichloropropene	N/A	25	N/A	N/A	N/A	124	126	1.06	N/A	N/A	70 - 130	30
1,2-Dichloro-1,1,2,2-tetrafluoroetha	N/A	25	N/A	N/A	N/A	103	104	0.342	N/A	N/A	70 - 130	30
Diisopropyl ether (DIPE)	N/A	25	N/A	N/A	N/A	109	109	0	N/A	N/A	70 - 130	30

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR TO15

W.O. Sample Matrix: Soil Vapor QC Matrix: Soil Vapor BatchID: 46135 WorkOrder: 0909838

EPA Method TO15 **Extraction TO15** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	nL/L	nL/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
1,4-Dioxane	N/A	25	N/A	N/A	N/A	93.1	91.9	1.24	N/A	N/A	70 - 130	30
Ethyl acetate	N/A	25	N/A	N/A	N/A	114	113	0.796	N/A	N/A	70 - 130	30
Ethyl tert-butyl ether (ETBE)	N/A	25	N/A	N/A	N/A	109	109	0	N/A	N/A	70 - 130	30
Ethylbenzene	N/A	25	N/A	N/A	N/A	109	109	0	N/A	N/A	70 - 130	30
Freon 113	N/A	25	N/A	N/A	N/A	109	109	0	N/A	N/A	70 - 130	30
Hexachlorobutadiene	N/A	25	N/A	N/A	N/A	105	117	10.9	N/A	N/A	70 - 130	30
4-Methyl-2-pentanone (MIBK)	N/A	25	N/A	N/A	N/A	112	112	0	N/A	N/A	70 - 130	30
Methyl-t-butyl ether (MTBE)	N/A	25	N/A	N/A	N/A	112	112	0	N/A	N/A	70 - 130	30
Methylene chloride	N/A	25	N/A	N/A	N/A	95.2	95.1	0.0441	N/A	N/A	70 - 130	30
Naphthalene	N/A	25	N/A	N/A	N/A	113	120	6.24	N/A	N/A	70 - 130	30
Styrene	N/A	25	N/A	N/A	N/A	120	120	0	N/A	N/A	70 - 130	30
1,1,1,2-Tetrachloroethane	N/A	25	N/A	N/A	N/A	116	116	0	N/A	N/A	70 - 130	30
1,1,2,2-Tetrachloroethane	N/A	25	N/A	N/A	N/A	104	106	1.24	N/A	N/A	70 - 130	30
Tetrachloroethene	N/A	25	N/A	N/A	N/A	119	119	0	N/A	N/A	70 - 130	30
Tetrahydrofuran	N/A	25	N/A	N/A	N/A	88.3	88	0.288	N/A	N/A	70 - 130	30
Toluene	N/A	25	N/A	N/A	N/A	114	115	0.157	N/A	N/A	70 - 130	30
1,2,4-Trichlorobenzene	N/A	25	N/A	N/A	N/A	104	113	8.45	N/A	N/A	70 - 130	30
1,1,1-Trichloroethane	N/A	25	N/A	N/A	N/A	111	110	1.15	N/A	N/A	70 - 130	30
1,1,2-Trichloroethane	N/A	25	N/A	N/A	N/A	113	113	0	N/A	N/A	70 - 130	30
Trichloroethene	N/A	25	N/A	N/A	N/A	107	106	0.400	N/A	N/A	70 - 130	30
1,2,4-Trimethylbenzene	N/A	25	N/A	N/A	N/A	107	112	4.59	N/A	N/A	70 - 130	30
1,3,5-Trimethylbenzene	N/A	25	N/A	N/A	N/A	103	106	3.51	N/A	N/A	70 - 130	30
Vinyl Chloride	N/A	25	N/A	N/A	N/A	114	117	2.27	N/A	N/A	70 - 130	30
Xylenes	N/A	75	N/A	N/A	N/A	114	114	0	N/A	N/A	70 - 130	30
%SS1:	N/A	500	N/A	N/A	N/A	100	99	1.09	N/A	N/A	70 - 130	30
%SS2:	N/A	500	N/A	N/A	N/A	103	103	0	N/A	N/A	70 - 130	30
%SS3:	N/A	500	N/A	N/A	N/A	105	106	1.12	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR TO15

W.O. Sample Matrix: Soil Vapor QC Matrix: Soil Vapor BatchID: 46135 WorkOrder: 0909838

EPA Method TO15 **Extraction TO15** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	nL/L	nL/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD

BATCH 46135 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0909838-001A	09/28/09 10:52 AM	09/30/09	09/30/09 6:50 PM	0909838-002A	09/28/09 10:58 AM	09/30/09	09/30/09 7:33 PM
0909838-003A	09/28/09 11:15 AM	09/30/09	09/30/09 8:14 PM	0909838-004A	09/28/09 11:10 AM	09/30/09	09/30/09 9:00 PM
0909838-005A	09/28/09 10:15 AM	09/30/09	09/30/09 9:49 PM	0909838-006A	09/28/09 10:30 AM	09/30/09	09/30/09 10:35 PM
0909838-007A	09/28/09 10:05 AM	09/30/09	09/30/09 11:25 PM	0909838-008A	09/28/09 11:39 AM	10/01/09	10/01/09 12:06 AM
0909838-009A	09/28/09 10:44 AM	10/01/09	10/01/09 12:51 AM	0909838-010A	09/28/09 11:04 AM	10/01/09	10/01/09 1:32 AM
0909838-011A	09/28/09 11:20 AM	10/01/09	10/01/09 12:08 PM	0909838-012A	09/28/09 11:23 AM	10/01/09	10/01/09 12:49 PM
0909838-013A	09/28/09 11:45 AM	10/01/09	10/01/09 1:35 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644


QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Endpoint 98 Battery Street, Suite 200 San Francisco, CA 94111	Client Project ID: #B1-091004; Crow Canyon Dry Cleaners	Date Sampled: 11/04/09
		Date Received: 11/05/09
	Client Contact: Mehrdad Javaher	Date Reported: 11/10/09
	Client P.O.:	Date Completed: 11/10/09

WorkOrder: 0911156

November 10, 2009

Dear Mehrdad:

Enclosed within are:

1) The results of the **11** analyzed samples from your project: **#B1-091004; Crow Canyon Dry Clea**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

Confluence Environmental, Inc.
3308 El Camino Ave, Suite 300 #148
Sacramento, CA 95821
916-760-7641 - main
916-473-8617 - fax
www.confluence-env.com

Chain of Custody

0911156

Project Name: Crow Canyon Dry Cleaners

Job Number: 31-091004

TAT: (STANDARD) 5 DAY 2 DAY 24 HOUR OTHER:

Lab: **McCampbell**	Site Address: 7272 San Ramon Rd, Dublin	Confluence PM: Jason Brown
Address: 1534 Willow Pass Rd, Pittsburg	California Global ID No.:	Phone / Fax: 916-760-7641 / 916-473-8617
Contact:	Include EDF w/ Report: (Yes) No	Confluence Log Code: **CESC**
Phone/ Fax: 925-252-9262	Consultant / PM: Endpoint / Jing Heisler	Report to: Jing Heisler & Mehrdad Javaherian
	Phone / Fax: 650-343-4633	Invoice to: Endpoint

	Sample ID	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Requested Analysis: PCE	Notes and Comments
	VE-1S	945	11/4/09			X		1						X	
	VE-1D	955				X								X	
	VE-2S	1030				X								X	
	VE-2D	1035				X								X	
	VE-3S	855				X								X	
	VE-3D	910				X								X	
	VM-4S	840				X								X	
	VM-1S	930				X								X	
	VM-1D	920				X								X	
	VM-3S	1000				X								X	

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Jason Brown		11/5	5pm	Envirotech RC BW	11/5	5pm
Sampler's Company: Confluence Environmental	Envirotech RC BW	11/5	18:10	ENVIROTECH	11/5	18:10
Shipment Date:	ENVIROTECH	11/5	1940	MAI	11/5	1940
Shipment Method:						

Special Instructions:

ICE/T [illegible]
GOOD CONDITION ✓ APPROPRIATE
HEAD SPACE ABSENT ___ CONTAINERS ✓
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___
PRESERVATION VOAS | O & G | METALS | OTHER

Confluence Environmental, Inc.
3308 El Camino Ave, Suite 300 #148
Sacramento, CA 95821
916-760-7641 - main
916-473-8617 - fax
www.confluence-env.com

Chain of Custody

Project Name: Crow Canyon Dry Cleaners

Job Number: 31-071004

TAT: (STANDARD) 5 DAY 2 DAY 24 HOUR OTHER:

Lab: **McCampbell**	Site Address: 7272 San Ramon Rd, Dublin	Confluence PM: Jason Brown
Address: 1534 Willow Pass Rd, Pittsburg	California Global ID No.:	Phone / Fax: 916-760-7641 / 916-473-8617
Contact:	Include EDF w/ Report: (Yes) No	Confluence Log Code: **CESC**
Phone/ Fax: 925-252-9262	Consultant / PM: Endpoint / Jing Heisler	Report to: Jing Heisler & Mehrdad Javaherian
	Phone / Fax: 650-343-4633	Invoice to: Endpoint

	Sample ID	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Requested Analysis: PCE	Notes and Comments
	VM-3D	1015	11/4/09		*	X		1						X	

Sampler's Name: Jason Brown	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Confluence Environmental		11/5	5PM	EnviroTech RC BW	11/5	5PM
Shipment Date:	EnviroTech RC BW	11/5	18:10	ENVIROTECH	11/5	18:10
Shipment Method:	ENVIROTECH	11/5	19:46		11/5	

Special Instructions:

MAI

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0911156 **ClientCode: EPB**

☐ WaterTrax ☐ WriteOn ☑ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Mehrdad Javaher
Endpoint
98 Battery Street, Suite 200
San Francisco, CA 94111
415-706-8935 FAX

Email: mehrdad@endpoint-inc.com
cc: jing@endpoint-inc.com
PO:
ProjectNo: #B1-091004; Crow Canyon Dry Cleaners

Bill to:
Accounts Payable
Endpoint
98 Battery Street, Suite 200
San Francisco, CA 94111
cage2usa@aol.com

Requested TAT: 5 days

Date Received: **11/05/2009**
Date Printed: **11/06/2009**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0911156-001	VE-1S	Soil Vapor	11/4/2009	☐	A	A										
0911156-002	VE-1D	Soil Vapor	11/4/2009 9:55	☐		A										
0911156-003	VE-2S	Soil Vapor	10/4/2009 10:30	☐		A										
0911156-004	VE-2D	Soil Vapor	11/4/2009 10:35	☐		A										
0911156-005	VE-3S	Soil Vapor	11/4/2009 8:55	☐		A										
0911156-006	VE-3D	Soil Vapor	11/4/2009 9:10	☐		A										
0911156-007	VM-4S	Soil Vapor	11/4/2009 8:40	☐		A										
0911156-008	VM-1S	Soil Vapor	11/4/2009 9:30	☐		A										
0911156-009	VM-1D	Soil Vapor	11/4/2009 9:20	☐		A										
0911156-010	VM-3S	Soil Vapor	11/4/2009 10:00	☐		A										
0911156-011	VM-3D	Soil Vapor	11/4/2009 10:15	☐		A										

Test Legend:

1	PREDF REPORT	2	TO15_SOIL(UG/M3)	3		4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A, 009A, 010A, 011A contain testgroup.

Prepared by: Melissa Valles

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **Endpoint**

Date and Time Received: **11/5/2009 7:40:00 PM**

Project Name: **#B1-091004; Crow Canyon Dry Cleaners**

Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0911156** Matrix Soil Vapor

Carrier: EnviroTech (RC)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp:		NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☐	No ☑	

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Telephone: 877-252-9262 Fax: 925-252-9269

Endpoint	Client Project ID: #B1-091004; Crow Canyon Dry Cleaners	Date Sampled: 11/04/09
		Date Received: 11/05/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 11/06/09-11/09/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 11/06/09-11/09/09

Leak Check Compound*

Extraction method: TO15 Analytical methods: TO15 Work Order: 0911156

Lab ID	Client ID	Matrix	Initial Pressure	Final Pressure	Isopropyl Alcohol	DF	% SS	Comments
001A	VE-1S	Soil Vapor	12.59	25.12	ND	4	N/A	
002A	VE-1D	Soil Vapor	12.33	24.56	ND	4	N/A	
003A	VE-2S	Soil Vapor	13.3	26.52	ND	4	N/A	
004A	VE-2D	Soil Vapor	12.83	25.56	ND	4	N/A	
005A	VE-3S	Soil Vapor	12.07	24.06	ND	1	N/A	
006A	VE-3D	Soil Vapor	12.99	25.88	ND	1	N/A	
007A	VM-4S	Soil Vapor	12.56	25.02	ND	1	N/A	
008A	VM-1S	Soil Vapor	12.34	24.6	ND	1	N/A	
009A	VM-1D	Soil Vapor	12.39	24.7	ND	1	N/A	
010A	VM-3S	Soil Vapor	12.51	25	ND	1	N/A	
011A	VM-3D	Soil Vapor	12.52	25	ND	4	N/A	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	psia	psia	NA	NA
	Soil Vapor	psia	psia	10	µg/L

* leak check compound is reported in µg/L. The IPA reference is DTSC, Advisory-Active Soil Gas Investigations, January 28, 2003, page 10, section 2.4.2:

"Tracer compounds, such as ...isopropanol..., may be used as leak check compounds, if a detection limit of 10 ug/L or less can be achieved."
This implies that 10 µg/L is the cut off definition for a leak, which equals 10,000 µg/m³.
The other low IPA hits may be due to extremely small leaks or may be naturally occuring in soil gas, particularly at biologically active sites.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Telephone: 877-252-9262 Fax: 925-252-9269

Endpoint	Client Project ID: #B1-091004; Crow Canyon Dry Cleaners	Date Sampled: 11/04/09
		Date Received: 11/05/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 11/06/09-11/14/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 11/06/09-11/14/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0911156

Lab ID	0911156-001A	Initial Pressure (psia)	12.59
Client ID	VE-1S	Final Pressure (psia)	25.12
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroform	ND	1.0	9.9	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	970	4.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	96	%SS2:	102
%SS3:	107		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-091004; Crow Canyon Dry Cleaners	Date Sampled: 11/04/09
		Date Received: 11/05/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 11/06/09-11/14/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 11/06/09-11/14/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0911156

Lab ID	0911156-002A	Initial Pressure (psia)	12.33
Client ID	VE-1D	Final Pressure (psia)	24.56
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroform	ND	1.0	9.9	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	16	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	770	4.0	14	Tetrahydrofuran	290	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	96	%SS2:	89
%SS3:	93		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Telephone: 877-252-9262 Fax: 925-252-9269

Endpoint	Client Project ID: #B1-091004; Crow Canyon Dry Cleaners	Date Sampled: 11/04/09
		Date Received: 11/05/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 11/06/09-11/14/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 11/06/09-11/14/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0911156

Lab ID	0911156-003A	Initial Pressure (psia)	13.3
Client ID	VE-2S	Final Pressure (psia)	26.52
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroform	ND	1.0	9.9	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	500	4.0	14	Tetrahydrofuran	14	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	96	%SS2:	99
%SS3:	103		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-091004; Crow Canyon Dry Cleaners	Date Sampled: 11/04/09
		Date Received: 11/05/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 11/06/09-11/14/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 11/06/09-11/14/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0911156

Lab ID	0911156-004A	Initial Pressure (psia)	12.83
Client ID	VE-2D	Final Pressure (psia)	25.56
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroform	ND	1.0	9.9	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	350	4.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	97	%SS2:	101
%SS3:	105		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-091004; Crow Canyon Dry Cleaners	Date Sampled: 11/04/09
		Date Received: 11/05/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 11/09/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 11/09/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0911156

Lab ID	0911156-005A	Initial Pressure (psia)	12.07
Client ID	VE-3S	Final Pressure (psia)	24.06
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroform	ND	1.0	9.9	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	ND	1.0	14	Tetrahydrofuran	130	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	94	%SS2:	99
%SS3:	105		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-091004; Crow Canyon Dry Cleaners	Date Sampled: 11/04/09
		Date Received: 11/05/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 11/09/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 11/09/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0911156

Lab ID	0911156-006A	Initial Pressure (psia)	12.99
Client ID	VE-3D	Final Pressure (psia)	25.88
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroform	ND	1.0	9.9	Cyclohexane	360	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	46	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	290	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	ND	1.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	101	%SS2:	101
%SS3:	108		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Endpoint	Client Project ID: #B1-091004; Crow Canyon Dry Cleaners	Date Sampled: 11/04/09
		Date Received: 11/05/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 11/09/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 11/09/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0911156

Lab ID	0911156-007A	Initial Pressure (psia)	12.56
Client ID	VM-4S	Final Pressure (psia)	25.02
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroform	ND	1.0	9.9	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	11	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	310	1.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	95	%SS2:	100
%SS3:	107		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Endpoint	Client Project ID: #B1-091004; Crow Canyon Dry Cleaners	Date Sampled: 11/04/09
		Date Received: 11/05/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 11/09/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 11/09/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0911156

Lab ID	0911156-008A	Initial Pressure (psia)	12.34
Client ID	VM-1S	Final Pressure (psia)	24.6
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroform	ND	1.0	9.9	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	20	1.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	93	%SS2:	98
%SS3:	106		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Telephone: 877-252-9262 Fax: 925-252-9269

Endpoint	Client Project ID: #B1-091004; Crow Canyon Dry Cleaners	Date Sampled: 11/04/09
		Date Received: 11/05/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 11/09/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 11/09/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0911156

Lab ID	0911156-009A	Initial Pressure (psia)	12.39
Client ID	VM-1D	Final Pressure (psia)	24.7
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	6.9	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroform	ND	1.0	9.9	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	140	1.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	95	%SS2:	100
%SS3:	105		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-091004; Crow Canyon Dry Cleaners	Date Sampled: 11/04/09
		Date Received: 11/05/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 11/09/09-11/19/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 11/09/09-11/19/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0911156

Lab ID	0911156-010A	Initial Pressure (psia)	12.51
Client ID	VM-3S	Final Pressure (psia)	25
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	130	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroform	ND	1.0	9.9	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	81	1.0	14	Tetrahydrofuran	12,000	20	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	97	%SS2:	102
%SS3:	110		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-091004; Crow Canyon Dry Cleaners	Date Sampled: 11/04/09
		Date Received: 11/05/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 11/09/09-11/19/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 11/09/09-11/19/09

Volatile Organic Compounds in µg/m³*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0911156

Lab ID	0911156-011A	Initial Pressure (psia)	12.52
Client ID	VM-3D	Final Pressure (psia)	25
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	120	Acrylonitrile	ND	1.0	4.4
tert-Amyl methyl ether (TAME)	ND	1.0	8.5	Benzene	ND	1.0	6.5
Benzyl chloride	ND	1.0	11	Bromodichloromethane	ND	1.0	14
Bromoform	ND	1.0	21	2-Butanone (MEK)	ND	1.0	150
t-Butyl alcohol (TBA)	ND	1.0	62	Carbon Disulfide	ND	1.0	6.3
Carbon Tetrachloride	ND	1.0	13	Chlorobenzene	ND	1.0	9.4
Chloroform	ND	1.0	9.9	Cyclohexane	ND	1.0	180
Dibromochloromethane	ND	1.0	17	1,2-Dibromo-3-chloropropane	ND	1.0	20
1,2-Dibromoethane (EDB)	ND	1.0	16	1,2-Dichlorobenzene	ND	1.0	12
1,3-Dichlorobenzene	ND	1.0	12	1,4-Dichlorobenzene	ND	1.0	12
Dichlorodifluoromethane	ND	1.0	10	1,1-Dichloroethane	ND	1.0	8.2
1,2-Dichloroethane (1,2-DCA)	ND	1.0	8.2	1,1-Dichloroethene	ND	1.0	8.1
cis-1,2-Dichloroethene	ND	1.0	8.1	trans-1,2-Dichloroethene	ND	1.0	8.1
1,2-Dichloropropane	ND	1.0	9.4	cis-1,3-Dichloropropene	ND	1.0	9.2
trans-1,3-Dichloropropene	ND	1.0	9.2	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	14
Diisopropyl ether (DIPE)	ND	1.0	8.5	1,4-Dioxane	ND	1.0	7.3
Ethanol	ND	1.0	96	Ethyl acetate	ND	1.0	7.3
Ethyl tert-butyl ether (ETBE)	ND	1.0	8.5	Ethylbenzene	ND	1.0	8.8
4-Ethyltoluene	ND	1.0	10	Freon 113	ND	1.0	16
Heptane	ND	1.0	210	Hexachlorobutadiene	ND	1.0	22
Hexane	ND	1.0	180	2-Hexanone	ND	1.0	210
4-Methyl-2-pentanone (MIBK)	ND	1.0	8.3	Methyl-t-butyl ether (MTBE)	ND	1.0	7.3
Methylene chloride	ND	1.0	7.1	Naphthalene	ND	1.0	11
Propene	ND	1.0	88	Styrene	ND	1.0	8.6
1,1,1,2-Tetrachloroethane	ND	1.0	14	1,1,2,2-Tetrachloroethane	ND	1.0	14
Tetrachloroethene	300	4.0	14	Tetrahydrofuran	ND	1.0	6.0
Toluene	ND	1.0	7.7	1,2,4-Trichlorobenzene	ND	1.0	15
1,1,1-Trichloroethane	ND	1.0	11	1,1,2-Trichloroethane	ND	1.0	11
Trichloroethene	ND	1.0	11	Trichlorofluoromethane	ND	1.0	11
1,2,4-Trimethylbenzene	ND	1.0	10	1,3,5-Trimethylbenzene	ND	1.0	10
Vinyl Acetate	ND	1.0	180	Vinyl Chloride	ND	1.0	5.2
Xylenes	ND	1.0	27				

Surrogate Recoveries (%)

%SS1:	98	%SS2:	104
%SS3:	108		

Comments:

*vapor samples are reported in µg/m³.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Endpoint	Client Project ID: #B1-091004; Crow Canyon Dry Cleaners	Date Sampled: 11/04/09
		Date Received: 11/05/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 11/06/09-11/14/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 11/06/09-11/14/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0911156

Lab ID	0911156-001A	Initial Pressure (psia)	12.59
Client ID	VE-1S	Final Pressure (psia)	25.12
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroform	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	140	4.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	96	%SS2:	102
%SS3:	107		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-091004; Crow Canyon Dry Cleaners	Date Sampled: 11/04/09
		Date Received: 11/05/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 11/06/09-11/14/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 11/06/09-11/14/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0911156

Lab ID	0911156-002A	Initial Pressure (psia)	12.33
Client ID	VE-1D	Final Pressure (psia)	24.56
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroform	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	3.7	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	110	4.0	2.0	Tetrahydrofuran	97	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	96	%SS2:	89
%SS3:	93		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-091004; Crow Canyon Dry Cleaners	Date Sampled: 11/04/09
		Date Received: 11/05/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 11/06/09-11/14/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 11/06/09-11/14/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0911156

Lab ID	0911156-003A	Initial Pressure (psia)	13.3
Client ID	VE-2S	Final Pressure (psia)	26.52
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroform	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	72	4.0	2.0	Tetrahydrofuran	4.5	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	96	%SS2:	99
%SS3:	103		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-091004; Crow Canyon Dry Cleaners	Date Sampled: 11/04/09
		Date Received: 11/05/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 11/06/09-11/14/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 11/06/09-11/14/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0911156

Lab ID	0911156-004A	Initial Pressure (psia)	12.83
Client ID	VE-2D	Final Pressure (psia)	25.56
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroform	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	51	4.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	97	%SS2:	101
%SS3:	105		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-091004; Crow Canyon Dry Cleaners	Date Sampled: 11/04/09
		Date Received: 11/05/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 11/09/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 11/09/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0911156

Lab ID	0911156-005A	Initial Pressure (psia)	12.07
Client ID	VE-3S	Final Pressure (psia)	24.06
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroform	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	ND	1.0	2.0	Tetrahydrofuran	45	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	94	%SS2:	99
%SS3:	105		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-091004; Crow Canyon Dry Cleaners	Date Sampled: 11/04/09
		Date Received: 11/05/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 11/09/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 11/09/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0911156

Lab ID	0911156-006A	Initial Pressure (psia)	12.99
Client ID	VE-3D	Final Pressure (psia)	25.88
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroform	ND	1.0	2.0	Cyclohexane	100	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	10	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	81	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	ND	1.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	101	%SS2:	101
%SS3:	108		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-091004; Crow Canyon Dry Cleaners	Date Sampled: 11/04/09
		Date Received: 11/05/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 11/09/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 11/09/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0911156

Lab ID	0911156-007A	Initial Pressure (psia)	12.56
Client ID	VM-4S	Final Pressure (psia)	25.02
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroform	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	2.4	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	46	1.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	95	%SS2:	100
%SS3:	107		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-091004; Crow Canyon Dry Cleaners	Date Sampled: 11/04/09
		Date Received: 11/05/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 11/09/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 11/09/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0911156

Lab ID	0911156-008A	Initial Pressure (psia)	12.34
Client ID	VM-1S	Final Pressure (psia)	24.6
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroform	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	2.9	1.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	93	%SS2:	98
%SS3:	106		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Telephone: 877-252-9262 Fax: 925-252-9269

Endpoint	Client Project ID: #B1-091004; Crow Canyon Dry Cleaners	Date Sampled: 11/04/09
		Date Received: 11/05/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 11/09/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 11/09/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0911156

Lab ID	0911156-009A	Initial Pressure (psia)	12.39
Client ID	VM-1D	Final Pressure (psia)	24.7
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	2.2	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroform	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	21	1.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	95	%SS2:	100
%SS3:	105		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-091004; Crow Canyon Dry Cleaners	Date Sampled: 11/04/09
		Date Received: 11/05/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 11/09/09-11/19/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 11/09/09-11/19/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0911156

Lab ID	0911156-010A	Initial Pressure (psia)	12.51
Client ID	VM-3S	Final Pressure (psia)	25
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	53	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroform	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	12	1.0	2.0	Tetrahydrofuran	3800	20	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	97	%SS2:	102
%SS3:	110		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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Endpoint	Client Project ID: #B1-091004; Crow Canyon Dry Cleaners	Date Sampled: 11/04/09
		Date Received: 11/05/09
98 Battery Street, Suite 200	Client Contact: Mehrdad Javaher	Date Extracted: 11/09/09-11/19/09
San Francisco, CA 94111	Client P.O.:	Date Analyzed: 11/09/09-11/19/09

Volatile Organic Compounds in nL/L*

Extraction Method: TO15 Analytical Method: TO15 Work Order: 0911156

Lab ID	0911156-011A	Initial Pressure (psia)	12.52
Client ID	VM-3D	Final Pressure (psia)	25
Matrix	Soil Vapor		

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrylonitrile	ND	1.0	2.0
tert-Amyl methyl ether (TAME)	ND	1.0	2.0	Benzene	ND	1.0	2.0
Benzyl chloride	ND	1.0	2.0	Bromodichloromethane	ND	1.0	2.0
Bromoform	ND	1.0	2.0	2-Butanone (MEK)	ND	1.0	50
t-Butyl alcohol (TBA)	ND	1.0	20	Carbon Disulfide	ND	1.0	2.0
Carbon Tetrachloride	ND	1.0	2.0	Chlorobenzene	ND	1.0	2.0
Chloroform	ND	1.0	2.0	Cyclohexane	ND	1.0	50
Dibromochloromethane	ND	1.0	2.0	1,2-Dibromo-3-chloropropane	ND	1.0	2.0
1,2-Dibromoethane (EDB)	ND	1.0	2.0	1,2-Dichlorobenzene	ND	1.0	2.0
1,3-Dichlorobenzene	ND	1.0	2.0	1,4-Dichlorobenzene	ND	1.0	2.0
Dichlorodifluoromethane	ND	1.0	2.0	1,1-Dichloroethane	ND	1.0	2.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	2.0	1,1-Dichloroethene	ND	1.0	2.0
cis-1,2-Dichloroethene	ND	1.0	2.0	trans-1,2-Dichloroethene	ND	1.0	2.0
1,2-Dichloropropane	ND	1.0	2.0	cis-1,3-Dichloropropene	ND	1.0	2.0
trans-1,3-Dichloropropene	ND	1.0	2.0	1,2-Dichloro-1,1,2,2-tetrafluoroethan	ND	1.0	2.0
Diisopropyl ether (DIPE)	ND	1.0	2.0	1,4-Dioxane	ND	1.0	2.0
Ethanol	ND	1.0	50	Ethyl acetate	ND	1.0	2.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	2.0	Ethylbenzene	ND	1.0	2.0
4-Ethyltoluene	ND	1.0	2.0	Freon 113	ND	1.0	2.0
Heptane	ND	1.0	50	Hexachlorobutadiene	ND	1.0	2.0
Hexane	ND	1.0	50	2-Hexanone	ND	1.0	50
4-Methyl-2-pentanone (MIBK)	ND	1.0	2.0	Methyl-t-butyl ether (MTBE)	ND	1.0	2.0
Methylene chloride	ND	1.0	2.0	Naphthalene	ND	1.0	2.0
Propene	ND	1.0	50	Styrene	ND	1.0	2.0
1,1,1,2-Tetrachloroethane	ND	1.0	2.0	1,1,2,2-Tetrachloroethane	ND	1.0	2.0
Tetrachloroethene	44	4.0	2.0	Tetrahydrofuran	ND	1.0	2.0
Toluene	ND	1.0	2.0	1,2,4-Trichlorobenzene	ND	1.0	2.0
1,1,1-Trichloroethane	ND	1.0	2.0	1,1,2-Trichloroethane	ND	1.0	2.0
Trichloroethene	ND	1.0	2.0	Trichlorofluoromethane	ND	1.0	2.0
1,2,4-Trimethylbenzene	ND	1.0	2.0	1,3,5-Trimethylbenzene	ND	1.0	2.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	2.0
Xylenes	ND	1.0	6.0				

Surrogate Recoveries (%)

%SS1:	98	%SS2:	104
%SS3:	108		

Comments:

*vapor samples are reported in nL/L.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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QC SUMMARY REPORT FOR TO15

W.O. Sample Matrix: Soil Vapor QC Matrix: Soil Vapor BatchID: 46967 WorkOrder 0911156

EPA Method TO15 **Extraction TO15** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	nL/L	nL/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Acrylonitrile	N/A	25	N/A	N/A	N/A	104	108	4.41	N/A	N/A	70 - 130	30
tert-Amyl methyl ether (TAME)	N/A	25	N/A	N/A	N/A	106	109	3.25	N/A	N/A	70 - 130	30
Benzene	N/A	25	N/A	N/A	N/A	102	105	3.18	N/A	N/A	70 - 130	30
Benzyl chloride	N/A	25	N/A	N/A	N/A	112	114	2.05	N/A	N/A	70 - 130	30
Bromodichloromethane	N/A	25	N/A	N/A	N/A	112	116	3.31	N/A	N/A	70 - 130	30
Bromoform	N/A	25	N/A	N/A	N/A	94.3	97.1	2.97	N/A	N/A	70 - 130	30
1,3-Butadiene	N/A	25	N/A	N/A	N/A	105	110	4.41	N/A	N/A	70 - 130	30
t-Butyl alcohol (TBA)	N/A	25	N/A	N/A	N/A	96	98.8	2.85	N/A	N/A	70 - 130	30
Carbon Disulfide	N/A	25	N/A	N/A	N/A	96.6	99.6	3.00	N/A	N/A	70 - 130	30
Carbon Tetrachloride	N/A	25	N/A	N/A	N/A	119	123	3.28	N/A	N/A	70 - 130	30
Chlorobenzene	N/A	25	N/A	N/A	N/A	96.4	99.2	2.88	N/A	N/A	70 - 130	30
Chloroethane	N/A	25	N/A	N/A	N/A	83.9	85.7	2.09	N/A	N/A	70 - 130	30
Chloroform	N/A	25	N/A	N/A	N/A	96.4	99.1	2.84	N/A	N/A	70 - 130	30
Chloromethane	N/A	25	N/A	N/A	N/A	109	106	2.75	N/A	N/A	70 - 130	30
Dibromochloromethane	N/A	25	N/A	N/A	N/A	106	108	2.51	N/A	N/A	70 - 130	30
1,2-Dibromo-3-chloropropane	N/A	25	N/A	N/A	N/A	86.7	88	1.52	N/A	N/A	70 - 130	30
1,2-Dibromoethane (EDB)	N/A	25	N/A	N/A	N/A	103	106	3.27	N/A	N/A	70 - 130	30
1,3-Dichlorobenzene	N/A	25	N/A	N/A	N/A	96.1	99.8	3.79	N/A	N/A	70 - 130	30
1,4-Dichlorobenzene	N/A	25	N/A	N/A	N/A	83.8	86.2	2.82	N/A	N/A	70 - 130	30
Dichlorodifluoromethane	N/A	25	N/A	N/A	N/A	111	98.4	12.2	N/A	N/A	70 - 130	30
1,1-Dichloroethane	N/A	25	N/A	N/A	N/A	102	104	2.23	N/A	N/A	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	N/A	25	N/A	N/A	N/A	108	111	2.54	N/A	N/A	70 - 130	30
cis-1,2-Dichloroethene	N/A	25	N/A	N/A	N/A	99.7	102	2.01	N/A	N/A	70 - 130	30
trans-1,2-Dichloroethene	N/A	25	N/A	N/A	N/A	98.7	101	2.33	N/A	N/A	70 - 130	30
1,2-Dichloropropane	N/A	25	N/A	N/A	N/A	99.1	103	3.45	N/A	N/A	70 - 130	30
cis-1,3-Dichloropropene	N/A	25	N/A	N/A	N/A	118	121	2.60	N/A	N/A	70 - 130	30
trans-1,3-Dichloropropene	N/A	25	N/A	N/A	N/A	102	105	2.76	N/A	N/A	70 - 130	30
1,2-Dichloro-1,1,2,2-tetrafluoroetha	N/A	25	N/A	N/A	N/A	107	108	1.44	N/A	N/A	70 - 130	30
Diisopropyl ether (DIPE)	N/A	25	N/A	N/A	N/A	109	111	1.96	N/A	N/A	70 - 130	30
1,4-Dioxane	N/A	25	N/A	N/A	N/A	92.2	95.7	3.69	N/A	N/A	70 - 130	30
Ethyl acetate	N/A	25	N/A	N/A	N/A	122	125	2.74	N/A	N/A	70 - 130	30

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR TO15

W.O. Sample Matrix: Soil Vapor QC Matrix: Soil Vapor BatchID: 46967 WorkOrder 0911156

EPA Method TO15 **Extraction TO15** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	nL/L	nL/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Ethyl tert-butyl ether (ETBE)	N/A	25	N/A	N/A	N/A	106	109	2.77	N/A	N/A	70 - 130	30
Ethylbenzene	N/A	25	N/A	N/A	N/A	95.7	98.4	2.77	N/A	N/A	70 - 130	30
Freon 113	N/A	25	N/A	N/A	N/A	97.5	99.5	2.03	N/A	N/A	70 - 130	30
Hexachlorobutadiene	N/A	25	N/A	N/A	N/A	81.4	81.1	0.441	N/A	N/A	70 - 130	30
4-Methyl-2-pentanone (MIBK)	N/A	25	N/A	N/A	N/A	112	115	2.87	N/A	N/A	70 - 130	30
Methyl-t-butyl ether (MTBE)	N/A	25	N/A	N/A	N/A	104	106	2.33	N/A	N/A	70 - 130	30
Methylene chloride	N/A	25	N/A	N/A	N/A	102	102	0	N/A	N/A	70 - 130	30
Naphthalene	N/A	25	N/A	N/A	N/A	70.4	70.8	0.592	N/A	N/A	70 - 130	30
Styrene	N/A	25	N/A	N/A	N/A	113	116	2.61	N/A	N/A	70 - 130	30
1,1,1,2-Tetrachloroethane	N/A	25	N/A	N/A	N/A	95.1	98.3	3.29	N/A	N/A	70 - 130	30
1,1,2,2-Tetrachloroethane	N/A	25	N/A	N/A	N/A	93.6	96.4	2.88	N/A	N/A	70 - 130	30
Tetrachloroethene	N/A	25	N/A	N/A	N/A	93.9	95.8	2.03	N/A	N/A	70 - 130	30
Tetrahydrofuran	N/A	25	N/A	N/A	N/A	113	113	0	N/A	N/A	70 - 130	30
Toluene	N/A	25	N/A	N/A	N/A	98	101	2.66	N/A	N/A	70 - 130	30
1,2,4-Trichlorobenzene	N/A	25	N/A	N/A	N/A	71	71.1	0.161	N/A	N/A	70 - 130	30
1,1,1-Trichloroethane	N/A	25	N/A	N/A	N/A	106	109	3.14	N/A	N/A	70 - 130	30
1,1,2-Trichloroethane	N/A	25	N/A	N/A	N/A	95.4	98.2	2.86	N/A	N/A	70 - 130	30
Trichloroethene	N/A	25	N/A	N/A	N/A	96.8	99.3	2.57	N/A	N/A	70 - 130	30
1,2,4-Trimethylbenzene	N/A	25	N/A	N/A	N/A	92.6	94.9	2.53	N/A	N/A	70 - 130	30
1,3,5-Trimethylbenzene	N/A	25	N/A	N/A	N/A	96.5	101	4.17	N/A	N/A	70 - 130	30
Vinyl Chloride	N/A	25	N/A	N/A	N/A	113	90.2	22.6	N/A	N/A	70 - 130	30
Xylenes	N/A	75	N/A	N/A	N/A	95.4	98.1	2.82	N/A	N/A	70 - 130	30
%SS1:	N/A	500	N/A	N/A	N/A	106	109	2.63	N/A	N/A	70 - 130	30
%SS2:	N/A	500	N/A	N/A	N/A	97	100	2.91	N/A	N/A	70 - 130	30
%SS3:	N/A	500	N/A	N/A	N/A	99	103	3.78	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

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QC SUMMARY REPORT FOR TO15

W.O. Sample Matrix: Soil Vapor QC Matrix: Soil Vapor BatchID: 46967 WorkOrder 0911156

EPA Method TO15 **Extraction TO15** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	nL/L	nL/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD

BATCH 46967 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0911156-001A	11/04/09 9:45 AM	11/06/09	11/06/09 8:00 PM	0911156-001A	11/04/09 9:45 AM	11/14/09	11/14/09 3:50 AM
0911156-002A	11/04/09 9:55 AM	11/06/09	11/06/09 8:40 PM	0911156-002A	11/04/09 9:55 AM	11/14/09	11/14/09 4:30 AM
0911156-003A	11/04/09 10:30 AM	11/06/09	11/06/09 9:20 PM	0911156-003A	11/04/09 10:30 AM	11/14/09	11/14/09 5:16 AM
0911156-004A	11/04/09 10:35 AM	11/06/09	11/06/09 10:00 PM	0911156-004A	11/04/09 10:35 AM	11/14/09	11/14/09 6:03 AM
0911156-005A	11/04/09 8:55 AM	11/09/09	11/09/09 3:31 PM	0911156-006A	11/04/09 9:10 AM	11/09/09	11/09/09 4:19 PM
0911156-007A	11/04/09 8:40 AM	11/09/09	11/09/09 5:08 PM	0911156-008A	11/04/09 9:30 AM	11/09/09	11/09/09 5:57 PM
0911156-009A	11/04/09 9:20 AM	11/09/09	11/09/09 6:45 PM	0911156-010A	11/04/09 10:00 AM	11/09/09	11/09/09 7:34 PM
0911156-010A	11/04/09 10:00 AM	11/19/09	11/19/09 1:29 PM	0911156-011A	11/04/09 10:15 AM	11/09/09	11/09/09 2:42 PM
0911156-011A	11/04/09 10:15 AM	11/19/09	11/19/09 2:10 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

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QA/QC Officer