December 18, 2015

Ms. Karel Detterman
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, CA 9502-6577

Subject: Crow Canyon Dry Cleaners
7272 San Ramon Road Dublin, CA
RO# 000283

Dear Ms Detterman:

This enclosed report has been prepared by Endpoint Consulting, Inc. on behalf of the Burrows Company, Dwight & Carleton Perry, Gabriel H. Chui & Lai H. Trust, the Lee Family, Nam Sun and Seung Hee Park, and the Raphel-Roessler Retail Group.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge. If you have any questions, please contact Mr. Mehrdad Javaherian of Endpoint at 415-706-8935.

Sincerely,

James Roessler
Roessler Investment Group

Endpoint.
Strategy. Science. Sustainability

December 17, 2015

Ms. Karel Detterman, P.G.
Alameda County Health Care Services Agency (County)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Subject: **Indoor Air Quality Sampling**
Crow Canyon Dry Cleaners
7272 San Ramon Road, Dublin, California
(RO # 0002863)

Dear Ms. Detterman:

This letter summarizes the results of an indoor air sample collected by Endpoint Consulting, Inc. (Endpoint) at the location of onsite vapor monitoring well VM-9SS, which represents the sole monitoring location at the site where subsurface vapor concentrations, despite significant declines since implementation of soil vapor extraction remediation efforts, remain at above the cleanup goal established for tetrachloroethylene (PCE) in the Corrective Action Plan (CAP) for the site. This sampling was performed in lieu of additional theoretical vapor intrusion modeling and significant model sensitivity analysis requirements set forth by the County in its emails dated October 15th and October 29th, 2015. The option for performing indoor air sampling in lieu of theoretical, albeit conservative, vapor intrusion modeling was originally set forth by the County in a meeting dated April 14th, 2015, representing the most direct measurement of potential indoor air quality as opposed to theoretical model estimations . The modeling option was initially chosen by Endpoint without the understanding of the rigorous sensitivity analysis and other related requirements subsequently requested by the County via their October 15, 2015 email.

On December 3rd, 2015, Endpoint collected an indoor air sample using the standard operating procedures (SOPs) included herein as Attachment I. These SOPs have been approved by the Department of Toxic Substances Control (DTSC) on other projects implemented by Endpoint staff. As referenced above, the 8-hour indoor air sample was collected at the exact location of vapor monitoring well VM-9SS, representing the sole location where sub-surface vapor concentrations of PCE remain above the PCE screening level adopted in the CAP for the site. Moreover, the backdoor to the building near SM-9SS (see Figure 1) was closed throughout the entire 8-hr duration of the sampling, conservatively minimizing air exchange with outdoor air and the associated concentration dilution which would be expected with an open door during the sampling. The door is otherwise open on a daily basis. Consistent with the subsurface vapor sample analysis performed historically at the site, the indoor air sample was analyzed using Method TO-15 and reporting the 8010 list.

Per the SOPs, the weather conditions during sampling were noted as summarized in the matrix below. No substantial changes to these conditions were observed before or after the sampling event.

Weather Conditions during Sampling

Variable	Start of Test	End of Test
Indoor air temperature	63 F	68 F
Outdoor air temperature	53 F	75 F
Barometric pressure	29.97 In of mercury (Hg)	
Outdoor weather conditions	Cloudy, dry	Sunny, dry

The matrix below summarizes the results of the indoor air samples for chemicals potentially related to dry cleaning operations, including PCE and its daughter products. The laboratory analytical report is included as Attachment 2. As indicated in the matrix below, low levels of PCE and TCE were detected in indoor air, but at levels well below both residential and commercial/industrial indoor air quality screening levels adopted by the DTSC and US EPA. The presence of PCE and TCE at these low levels is consistent with contributions of these chemical from ambient outdoor air, as both are commonly detected chemicals in outdoor air (see DTSC, 2012)[1].

.

Chemicals Potentially Related to Dry Cleaning Operations

Sample ID	PCE	TCE	Cis-1,2-DCE	Trans-1,2-DCE	1,1,1-TCA	1,1-DCE	1,1-DCA	Vinyl Chloride
AA-1	0.13	0.038	<0.4	<0.4	<0.55	<0.1	<0.41	<0.013
Residential Indoor Air Screening Level (DTSC and USEPA Region 9)*	0.41	0.48	7.3	73	1,040	73	1.8	0.031
Commercial Indoor Air Screening Level (DTSC and USEPA Region 9)*	2.08	3.00	31	310	4,400	310	7.7	0.16

All concentrations in ug/m3

- DTSC: Human Health Risk Assessment Note Number 3, July 2014

- USEPA Region 9: USEPA Region 9 RSLs, November 2014

* For Trans-1,2-DCE, indoor air screening levels from upcoming update of Note 3 were utilized per DTSC input.

Importantly, none of the PCE/TCE daughter products were detected in the indoor air sample (see matrix above).

As expected, the TO15 analysis identified the presence of various other chemicals unrelated to dry cleaning operations; again, consistent with the presence of these other chemicals in ambient outdoor air, and the routine and consistent interaction between ambient outdoor air and indoor air. The matrix below summarizes the detection of chemicals unrelated to dry cleaning operations, but present in the indoor air sample collected at the site.

Chemicals Unrelated to Dry Cleaning Operations

	Bromodichloro methane	Bromo methane	Carbon Tetrachloride	Chlroform	Chloromethane	1,2-Dibromo ethane	1,4-Dichloro benzene	Dichlorofluoro methane	1,2-Dichloroethane	1,2-Dichloropropane	Trichlorofluoro-methane
AA-1	0.018	0.43	0.57	0.13	0.7	0.0094	0.094	2.8	0.072	0.028	1.5
Residential Indoor Air Screening Level (DTSC and USEPA Region 9)*	0.076	0.52	0.47	0.12	9.4	0.0047	0.260	NA	0.110	0.280	73.000
Commercial Indoor Air Screening Level (DTSC and USEPA Region 9)*	0.33	2.20	2.0	0.53	39	0.020	1.100	NA	0.470	1.20	310.000

All concentrations in ug/m3

- DTSC: Human Health Risk Assessment Note Number 3, July 2014

- USEPA Region 9: USEPA Region 9 RSLs, November 2014

[1] https://www.dtsc.ca.gov/SiteCleanup/upload/Palace_Dry_Cleaner_FS_Environmental_Investigation.pdf

As indicated in the matrix above, none of the chemicals were detected at levels exceeding the commercial/industrial indoor air quality criteria. Three chemicals, all commonly detected in ambient outdoor air, were detected at levels slightly exceeding residential indoor air screening levels.

Based on the results of the indoor air sampling conducted at the site, Endpoint is of the opinion that the subsurface vapor concentrations detected at VM-9SS do not pose an unacceptable vapor intrusion risk at the site. Based on these results, together with the results of the past vapor remediation and monitoring efforts at the site previously documented in the Vapor Monitoring and Request for Site Closure Report (Endpoint, 2014)[2], Endpoint recommends that the site be considered for closure.

CLOSING

As always, Endpoint greatly appreciates the County's continued assistance with this project. If you have any questions, please contact Mehrdad Javaherian at 415-706-8935, or at mehrdad@endpoint-inc.com.

Sincerely,
Endpoint Consulting, Inc.

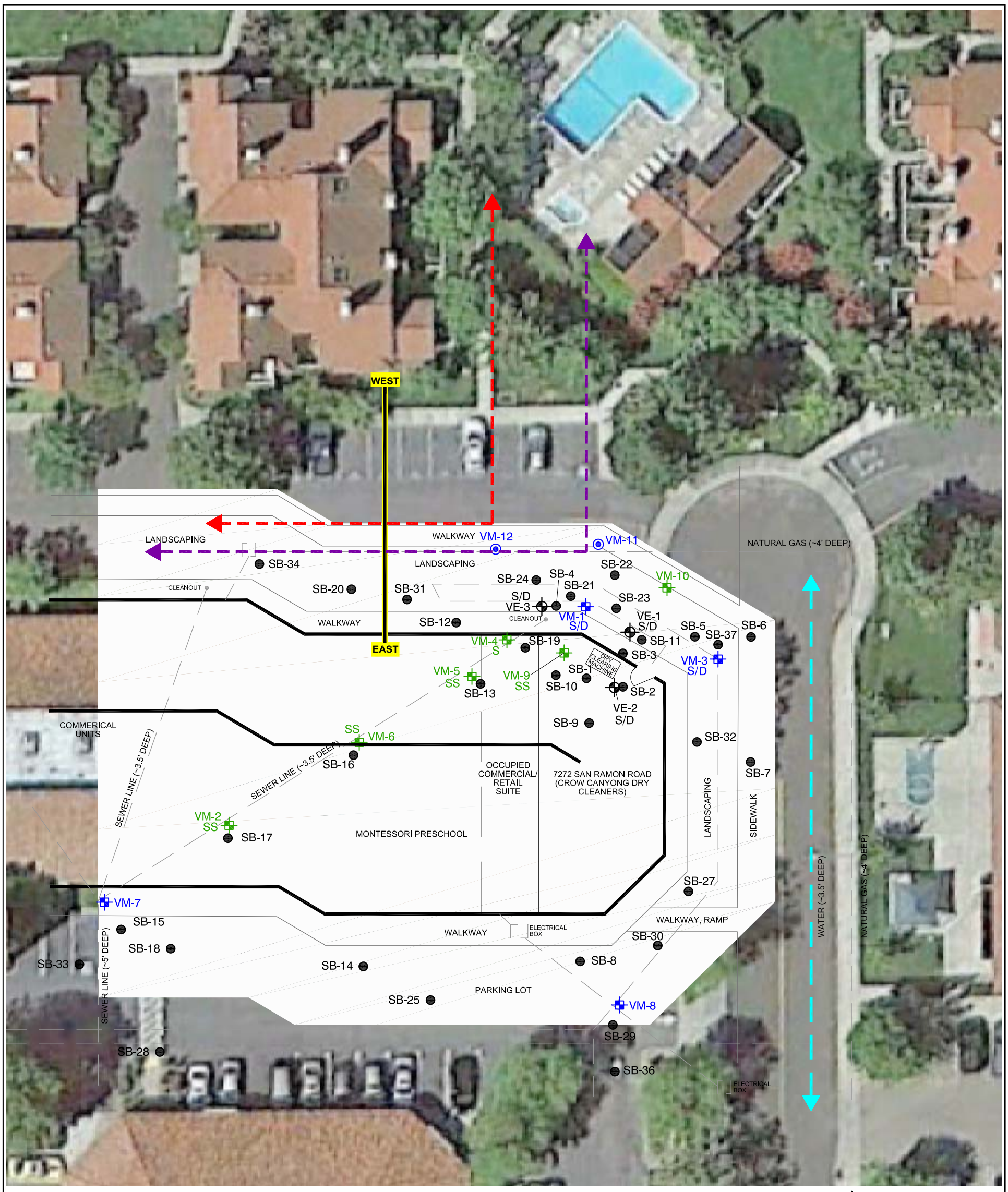
Mehrdad Javaherian, Ph.D., MPH, PE, LEED®GA
Program Manager

Enclosures:

Figure 1: Site Layout

Attachment 1: Standard Operating Procedures for Indoor Air Sampling
Attachment 2: Laboratory Analytical Report

[2] Endpoint, 2014. Post Remediation Vapor Monitoring and Request for Closure Report, Crow Canyon Dry Cleaners, September 29th.



LEGEND:

VM-11	Vapor Monitoring Well (June/August 2014)
VM-4	Vapor Monitoring Well
VM-2SS	Sub-Slab Vapor Monitoring Well (2010)
VE-1	Soil Vapor Extraction Well Locations
SB-1	Historical Soil Vapor Boring Locations (2006- 2008))
S/D	Shallow Well Screen/Deep Well Screen
SS	Sub-Slab Well Screen
	Utility Line
	Water (3.5 feet deep)
	Gas (~3.5 feet deep)
	Storm (~3 feet deep)
WEST — EAST	Ground Surface Elevation Cross-Section

N

0 15 30

Scale (feet)

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

Site Layout

CROW CANYON DRY CLEANERS
7272 SAN RAMON ROAD
DUBLIN, CALIFORNIA

Endpoint. Strategy. Science. Sustainability.

Date: 7/18/2015

Figure: 1

Attachment 1

ATTACHMENT 1

Standard Operating Procedures
Indoor Air Sampling

Indoor and ambient outdoor air sampling will be conducted in accordance to the procedures summarized herein. Prior to initiation of this sampling, the following steps will be taken:

- Sampling personnel will avoid activities immediately before and during the sampling that may impact the results of the sample, including using markers, fueling vehicles, etc.);

- Every effort shall be made to remove likely background sources of indoor air contamination from the building several days prior to the indoor air sampling;

- Weather information (i.e, temperature, barometric pressure, relative humidity, wind speed, and wind direction) and indoor temperature and humidity at the beginning of the sampling event will be recorded. Similarly, substantial changes to these conditions that may have occurred over the past 24 to 48 hours and that do occur during the course of sampling will be noted.

In implementing the sampling, the following procedures will be implemented:

- An evacuated and calibrated Summa canister provided by McCampbell Analytical Laboratories will be used to collect each sample.

- The flow controller on the canister will be pre-calibrated by the laboratory for the desired flow rate of less than 0.2 liter per minute (lpm) and duration of sample collection (8 hours).

- The indoor air sample will be collected from breathing height (e.g., 3 to 5 feet above ground), with the canister mounted on a stable platform.

- Weather conditions previously described herein for the sub-slab samples will be adhered to during the ambient and indoor air sampling.

- As the pre-calibrated flow controller is connected to each canister, the identification numbers for the canisters and flow controllers will be recorded, as will the initial canister pressures on the vacuum gauge

- The valve on the vacuum pressure in each canister will be opened and the time that each valve was opened (beginning of sampling) will be recorded together with the canister pressure on the vacuum gauge.

- Observations pertinent to ambient outdoor air sampling will be recorded, including sampling location, location of potential outdoor air sources, and paved areas. Also other information related to odors, readings from field instrumentation, and significant activities in the vicinity that may result in air emissions will be noted.

- Sample collection will be stopped after the scheduled duration of sample collection (8 hours), ensuring that the canister has a minimum amount of vacuum remaining based on input from the laboratory. Samples with no vacuum remaining will be rejected.

- The final vacuum pressure will be recorded and the canister valves will be closed, recording related date and time.

- The canisters will be labeled and submitted to the laboratory following removal of the flow controller from each canister.

Attachment 2

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 1512254

Report Created for: Endpoint

1534 Plaza Lane #243
Burlingame, CA 94010

Project Contact: Mehrdad Javaher
Project P.O.:
Project Name: TM Dublin

Project Received: 12/07/2015

Analytical Report reviewed & approved for release on 12/11/2015 by:

Angela Rydelius,
Laboratory Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Endpoint
Project: TM Dublin
WorkOrder: 1512254

Glossary Abbreviation

95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Analytical Report

Client:	Endpoint	**WorkOrder:**	1512254
Date Received:	12/7/15 14:36	**Extraction Method:**	TO15
Date Prepared:	12/7/15	**Analytical Method:**	TO15
Project:	TM Dublin	**Unit:**	µg/m³

Halogenated Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
AA-1	1512254-001A	Indoor Air	12/03/2015 15:00	GC24	113879

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.31	13.31	AK

Analytes	Result	RL	DF	Date Analyzed
Bromodichloromethane	**0.018**	0.0070	1	12/07/2015 17:47
Bromoform	ND	1.1	1	12/07/2015 17:47
Bromomethane	**0.43**	0.39	1	12/07/2015 17:47
Carbon Tetrachloride	**0.57**	0.0064	1	12/07/2015 17:47
Chlorobenzene	ND	0.47	1	12/07/2015 17:47
Chloroethane	ND	0.27	1	12/07/2015 17:47
Chloroform	**0.13**	0.025	1	12/07/2015 17:47
Chloromethane	**0.70**	0.21	1	12/07/2015 17:47
Dibromochloromethane	ND	0.87	1	12/07/2015 17:47
1,2-Dibromoethane (EDB)	**0.0094**	0.0078	1	12/07/2015 17:47
1,2-Dichlorobenzene	ND	0.61	1	12/07/2015 17:47
1,3-Dichlorobenzene	ND	0.61	1	12/07/2015 17:47
1,4-Dichlorobenzene	**0.094**	0.030	1	12/07/2015 17:47
Dichlorodifluoromethane	**2.8**	0.50	1	12/07/2015 17:47
1,1-Dichloroethane	ND	0.41	1	12/07/2015 17:47
1,2-Dichloroethane (1,2-DCA)	**0.072**	0.0041	1	12/07/2015 17:47
1,1-Dichloroethene	ND	0.10	1	12/07/2015 17:47
cis-1,2-Dichloroethene	ND	0.40	1	12/07/2015 17:47
trans-1,2-Dichloroethene	ND	0.40	1	12/07/2015 17:47
1,2-Dichloropropane	**0.028**	0.0047	1	12/07/2015 17:47
cis-1,3-Dichloropropene	ND	0.12	1	12/07/2015 17:47
trans-1,3-Dichloropropene	ND	0.12	1	12/07/2015 17:47
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.71	1	12/07/2015 17:47
Freon 113	ND	0.78	1	12/07/2015 17:47
Hexachlorobutadiene	ND	1.1	1	12/07/2015 17:47
Methylene chloride	ND	0.88	1	12/07/2015 17:47
1,1,1,2-Tetrachloroethane	ND	0.0070	1	12/07/2015 17:47
1,1,2,2-Tetrachloroethane	ND	0.0070	1	12/07/2015 17:47
Tetrachloroethene	**0.13**	0.069	1	12/07/2015 17:47
1,2,4-Trichlorobenzene	ND	0.75	1	12/07/2015 17:47
1,1,1-Trichloroethane	ND	0.55	1	12/07/2015 17:47
1,1,2-Trichloroethane	ND	0.0055	1	12/07/2015 17:47
Trichloroethene	**0.038**	0.027	1	12/07/2015 17:47

(Cont.)

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Analytical Report

Client:	Endpoint	**WorkOrder:**	1512254
Date Received:	12/7/15 14:36	**Extraction Method:**	TO15
Date Prepared:	12/7/15	**Analytical Method:**	TO15
Project:	TM Dublin	**Unit:**	µg/m³

Halogenated Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
AA-1	**1512254-001A**	**Indoor Air**	**12/03/2015 15:00**	**GC24**	**113879**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.31	**13.31**	**AK**

Analytes	Result	RL	DF	Date Analyzed
Trichlorofluoromethane	**1.5**	0.57	1	12/07/2015 17:47
Vinyl Chloride	ND	0.013	1	12/07/2015 17:47
Surrogates	**REC (%)**	**Limits**		
1,2-DCA-d4	100	70-130		12/07/2015 17:47
Toluene-d8	103	70-130		12/07/2015 17:47
4-BFB	98	70-130		12/07/2015 17:47

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Quality Control Report

Client:	Endpoint	**WorkOrder:**	1512254
Date Prepared:	12/7/15	**BatchID:**	113879
Date Analyzed:	12/7/15	**Extraction Method:**	TO15
Instrument:	GC24	**Analytical Method:**	TO15
Matrix:	Soilgas	**Unit:**	nL/L
Project:	TM Dublin	**Sample ID:**	MB/LCS-113879

QC Summary Report for TO15

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	12	-	-	-	-
Acrolein	ND	-	1.2	-	-	-	-
Acrylonitrile	ND	-	0.25	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	-	0.25	-	-	-	-
Benzene	ND	-	0.25	-	-	-	-
Benzyl chloride	ND	-	0.25	-	-	-	-
Bromodichloromethane	ND	26.3	0.25	25	-	105	60-140
Bromoform	ND	29.2	0.25	25	-	117	60-140
Bromomethane	ND	33.7	0.25	25	-	135	60-140
1,3-Butadiene	ND	-	0.25	-	-	-	-
2-Butanone (MEK)	ND	-	12	-	-	-	-
t-Butyl alcohol (TBA)	ND	-	5.0	-	-	-	-
Carbon Disulfide	ND	-	0.25	-	-	-	-
Carbon Tetrachloride	ND	30.0	0.25	25	-	120	60-140
Chlorobenzene	ND	25.8	0.25	25	-	103	60-140
Chloroethane	ND	27.4	0.25	25	-	110	60-140
Chloroform	ND	22.9	0.25	25	-	91	60-140
Chloromethane	ND	24.1	0.25	25	-	96	60-140
Cyclohexane	ND	-	2.5	-	-	-	-
Dibromochloromethane	ND	27.6	0.25	25	-	110	60-140
1,2-Dibromo-3-chloropropane	ND	23.9	0.0060	25	-	96	60-140
1,2-Dibromoethane (EDB)	ND	25.2	0.25	25	-	101	60-140
1,2-Dichlorobenzene	ND	26.1	0.25	25	-	104	60-140
1,3-Dichlorobenzene	ND	26.0	0.25	25	-	104	60-140
1,4-Dichlorobenzene	ND	24.3	0.25	25	-	97	60-140
Dichlorodifluoromethane	ND	27.7	0.25	25	-	111	60-140
1,1-Dichloroethane	ND	25.5	0.25	25	-	102	60-140
1,2-Dichloroethane (1,2-DCA)	ND	25.8	0.25	25	-	103	60-140
1,1-Dichloroethene	ND	24.5	0.25	25	-	98	60-140
cis-1,2-Dichloroethene	ND	23.8	0.25	25	-	95	60-140
trans-1,2-Dichloroethene	ND	24.7	0.25	25	-	99	60-140
1,2-Dichloropropane	ND	22.1	0.25	25	-	89	60-140
cis-1,3-Dichloropropene	ND	26.6	0.25	25	-	107	60-140
trans-1,3-Dichloropropene	ND	27.1	0.25	25	-	108	60-140
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	26.6	0.25	25	-	107	60-140
Diisopropyl ether (DIPE)	ND	-	0.25	-	-	-	-
1,4-Dioxane	ND	-	0.25	-	-	-	-

(Cont.)

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Quality Control Report

Client:	Endpoint	**WorkOrder:**	1512254
Date Prepared:	12/7/15	**BatchID:**	113879
Date Analyzed:	12/7/15	**Extraction Method:**	TO15
Instrument:	GC24	**Analytical Method:**	TO15
Matrix:	Soilgas	**Unit:**	nL/L
Project:	TM Dublin	**Sample ID:**	MB/LCS-113879

QC Summary Report for TO15

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Ethanol	ND	-	25	-	-	-	-
Ethyl acetate	ND	-	0.25	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	-	0.25	-	-	-	-
Ethylbenzene	ND	-	0.25	-	-	-	-
4-Ethyltoluene	ND	-	0.25	-	-	-	-
Freon 113	ND	25.1	0.25	25	-	100	60-140
Heptane	ND	-	2.5	-	-	-	-
Hexachlorobutadiene	ND	28.9	0.25	25	-	116	60-140
Hexane	ND	-	2.5	-	-	-	-
2-Hexanone	ND	-	0.25	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.25	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	-	0.25	-	-	-	-
Methylene chloride	ND	22.1	1.2	25	-	88	60-140
Methyl methacrylate	ND	-	0.25	-	-	-	-
Naphthalene	ND	-	0.50	-	-	-	-
Propene	ND	-	25	-	-	-	-
Styrene	ND	-	0.25	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	24.2	0.25	25	-	97	60-140
1,1,2,2-Tetrachloroethane	ND	23.2	0.25	25	-	93	60-140
Tetrachloroethene	ND	25.6	0.25	25	-	102	60-140
Tetrahydrofuran	ND	-	0.50	-	-	-	-
Toluene	ND	-	0.25	-	-	-	-
1,2,4-Trichlorobenzene	ND	31.2	0.25	25	-	125	60-140
1,1,1-Trichloroethane	ND	27.6	0.25	25	-	110	60-140
1,1,2-Trichloroethane	ND	25.0	0.10	25	-	100	60-140
Trichloroethene	ND	24.7	0.25	25	-	99	60-140
Trichlorofluoromethane	ND	29.7	0.25	25	-	119	60-140
1,2,4-Trimethylbenzene	ND	-	0.25	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.25	-	-	-	-
Vinyl Acetate	ND	-	2.5	-	-	-	-
Vinyl Chloride	ND	24.2	0.25	25	-	97	60-140
Xylenes, Total	ND	-	0.75	-	-	-	-

(Cont.)

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Quality Control Report

Client:	Endpoint	**WorkOrder:**	1512254
Date Prepared:	12/7/15	**BatchID:**	113879
Date Analyzed:	12/7/15	**Extraction Method:**	TO15
Instrument:	GC24	**Analytical Method:**	TO15
Matrix:	Soilgas	**Unit:**	nL/L
Project:	TM Dublin	**Sample ID:**	MB/LCS-113879

QC Summary Report for TO15

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
1,2-DCA-d4	528	506		500	106	101	70-130
Toluene-d8	528	557		500	106	111	70-130
4-BFB	490	501		500	98	100	70-130

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1512254 **ClientCode: EPB**

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

Report to:
Mehrdad Javaher
Endpoint
1534 Plaza Lane #243
Burlingame, CA 94010
415-706-8935 FAX:

Email: mehrdad@endpoint-inc.com
cc/3rd Party:
PO:
ProjectNo: TM Dublin

Bill to:
Accounts Payable
Endpoint
1534 Plaza Lane #243
Burlingame, CA 94010
mehrdad@endpoint-inc.com

Requested TAT: **5 days;**

Date Received: **12/07/2015**
Date Logged: **12/07/2015**

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
1512254-001	AA-1	Indoor Air	12/3/2015 15:00	☐	A											

Test Legend:

1	TO15-8010_SCAN-SIM_Indoor(ug/m3)	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Jena Alfaro

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.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: ENDPOINT
Project: TM Dublin
Comments:

QC Level: LEVEL 2
Client Contact: Mehrdad Javaher
Contact's Email: mehrdad@endpoint-inc.com

Work Order: 1512254
Date Logged: 12/7/2015

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

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1512254-001A	AA-1	Indoor Air	TO15 (HVOCs, Scan SIM) (µg/m³)	1	6L Summa	☐	12/3/2015 15:00	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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151225

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: RUSH ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 5 DAY ☐
GeoTracker EDF ☐ PDF ☐ EDD ☐ EQuIS ☐ 10 DAY ☐
UST Clean Up Fund Project ☐ Claim #

Report To: Mehrdad	**Bill To:** Onpoint
Company: Onpoint Consulting	
1534 Plaza Ln #293 Burlingame	**E-Mail:**
Tele: (408) 706-8935	**Fax:** ( )
Project #: Tim Dublin	**Project Name:**
Project Location: 7272 Stanley Blvd Dublin	
Sampler Signature:	

Field Sample ID (Location)	Collection Date	Collection Time	Canister SN#	Sampler Kit SN#	VOCs by TO-15 (ug/m3)	8010 by TO-15 (ug/m3)	TPH(g) (ug/m3)	LEED (inc. 4PCH, Formaldehyde, CO, Total VOCs)	Fixed Gas: CO2, Methane, Ethane, Ethylene, Acetylene, CO (please circle or indicate in notes) uL/L	Fixed Gas: O2, N2 (please circle) uL/L	Fixed Gas: Propane uL/L	Helium Leak Check (%)	Leak Check (IPA, Norflorane, 1,1-difluroethane) ug/m3	APH: Aliphatic and/or Aromatic (please circle) ug/m3	Other:	Matrix: Soilgas	Matrix: Indoor Air	Cannister Pressure/ Vacuum: Initial	Cannister Pressure/ Vacuum: Final
AA-1	12/3/15	1500	R0241	5		X											X	-30	-5

Helium Shroud SN#
Other:

Notes: Please Specify units if different than defaults VOCs is ug/m3 and fixed gas is uL/L. Leak check default is IPA.

	Date:	Time:	
Relinquished By:	12/7/15	1150	Received By:
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: _____

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Sample Receipt Checklist

Client Name:	**Endpoint**	Date and Time Received:	**12/7/2015 11:50**
Project Name:	**TM Dublin**	Date Logged:	**12/7/2015**
WorkOrder №:	**1512254** Matrix: Indoor Air	Received by:	Maria Venegas
Carrier:	Client Drop-In	Logged by:	Jena Alfaro

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	☐	
Sample/Temp Blank temperature	Temp:				NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA ☑
Sample labels checked for correct preservation?	Yes	☑	No	☐	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA ☑
Samples Received on Ice?	Yes	☐	No	☑	

UCMR3 Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522?	Yes	☐	No	☐	NA ☑
Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539?	Yes	☐	No	☐	NA ☑

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

Comments: