September, 6, 2013

Mr. Paresh Khatri Alameda County Health Care Services Agency 1131 Harbor Bay Parkway Alameda, CA 9502-6577

Subject:

Soil Vapor Extraction Remediation Startup Report

Crow Canyon Dry Cleaners

7272 San Ramon Road Dublin, CA

RO# 000283

Dear Mr. Khatri:

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 James Roessler.

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 Javaher. of Endpoint at 415-706-8935.

Sincerely,

James Roessler

Raphel-Roessler Retail Group

Semi-Annual Post Remediation Vapor Monitoring Report Crow Canyon Dry Cleaners 7272 San Ramon Road, Dublin, California September 2013

September 6, 2013

Mr. Dilan Roe Hazardous Materials Specialist Alameda County Health Care Services Agency (County) 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502

Subject: Semi-Annual Post-Remediation Vapor Monitoring 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 the results of the first of two semi-annual post-remediation vapor monitoring events conducted at the above-referenced site. This report follows the soil vapor extraction (SVE) startup report submitted to the County in October 2012, and represents soil vapor sampling approximately 5 months following termination of the SVE operations performed in concert with the County-approved Corrective Action Plan (CAP) for the site. This is the first of two post remediation semi-annual vapor monitoring reports planned for the site.

#### **Background**

The site is an active dry cleaner set in a suite within a commercial building in the Lamps Plus Shopping Center, located on the west side of San Ramon Road within a mixed residential/commercial area of Dublin, CA. Historical resources and site reconnaissance have revealed that the unit encompassing the site (i.e, 7272 San Ramon Road) has been occupied by a dry-cleaning facility since 1988. The dry-cleaning and solvent storage areas were located in the back of the building, with PCE used as the cleaning solvent until 2004; current dry cleaning operations do not use any chlorinated solvents.

Immediately adjacent (to the south) to the suite housing the dry cleaners is an occupied commercial/retail space. This space was historically occupied by a Montessori School serving preschool children; the Montessori School has since moved out of this space and this suite has remained unoccupied since February 2013.

As outlined in the CAP, the objectives of implementing SVE remediation at the site included the reduction of PCE concentrations in soil vapor across the site, with particular emphasis on minimizing the potential for PCE vapor migration toward the suite formerly occupied by the Montessori School. At the time the CAP was prepared, the ownership at the Montessori School



were in the process of securing alternate space to support a permanent move of the school from the existing location. Hence, the CAP outlined two sets of cleanup goals for the sole chemical of potential concern (COC), tetrachloroethene (PCE), present at the site; one cleanup goal corresponded to the continued use of the adjacent suite as a Montessori School (represented by a residential cleanup goal of 410 ug/m³), and the second cleanup goal corresponding to commercial use of the adjacent suite (1,400 ug/m³) based on the planned departure of the Montessori School from the adjacent suite. In concert with the CAP and per discussions with the County, since the Montessori School has moved from the adjacent suite in early 2013, the cleanup goal applicable to the site is 1,400 ug/m³, corresponding to the commercial/industrial shallow soil vapor environmental screening level (ESL) adopted by the San Francisco Bay Regional Water Quality Control Board ([Water Board], 2007)¹.

As required by the final CAP for the site, an SVE system was permitted and installed at the site on June 21, 2012, with daily operations beginning on June 28, 2012 and continuing at the date of this report. On October 2, 2012, the SVE system operations were terminated in support of collection of vapor samples from key site wells to assess the benefits of SVE operations. This sampling was conducted on October 9, 2012, after which the SVE system was restarted and continues to operate today. The results of that sampling was documented in the SVE startup report dated October 29, 2012. The SVE operations were continued through March 2013, when the SVE system was terminated, in concert with the CAP, due to diminishing vapor mass removal rates. At the time of system termination, more than 15 pounds of PCE had been removed from the site between June 2012 through March 2013.

This report summarizes the results of soil vapor sampling conducted in August 2013, approximately 5 months after termination of SVE operations in March 2013.

#### SOIL VAPOR SAMPLING ACTIVITIES

On August 23, 2013, Endpoint performed soil vapor sampling activities at key monitoring and extraction wells, approximately 5 months after termination of the SVE operations. The wells sampled included VE-1S, VE-2S, VM-4S, VM-5SS, VM-6SS, and VM-9SS (see Figure 1 for well locations). Vapor sampling protocols, including shut-in testing, leak testing, and purge volume testing procedures following DTSC guidance, were implemented following the procedures previously approved by the County and implemented at this site in support of past monitoring events. The laboratory analytical report for this sampling is included as Attachment A, while the field data sheets are included as Attachment B.

Figure 1 summarizes the vapor sampling results for the August 2013 monitoring event, while Table 1 summarizes the results of vapor sampling conducted at the site since July 2009, when SVE was first implemented at the site as an interim remedial action (IRA) measure. The table includes results of post-IRA SVE sampling through June 2012. This sampling was then followed by the October 2012 sampling following restart of the SVE system in concert with the CAP. Lastly, the table includes the results of the post-SVE monitoring event documented in this report and performed in August 2013.

As indicated in Table 1, the August 2013 post-remediation sampling conducted approximately 5 months

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<sup>&</sup>lt;sup>1</sup> Water Board, 2007. Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater. Interim Final, November (Revised May 2008).



after termination of the SVE system indicates that PCE concentrations remain below the PCE commercial/industrial cleanup goal of 1,400 ug/m<sup>3</sup> at five of the six sampled locations; the sole well containing PCE above the commercial/industrial ESL is VE-1S with PCE reported at 2,100 ug/m<sup>3</sup>. VE-1S is one of the site's vapor extraction wells located in the suspected release area and has historically contained PCE as high as 19,000 ug/m<sup>3</sup> (see Table 1). All other PCE concentrations detected at the site remain below the cleanup goal. It should also be noted that trichloroethylene (TCE) was also detected in two of the site samples, at a maximum concentration of 32 ug/m<sup>3</sup> (see Attachment A), which is well below both the residential (1,200 ug/m<sup>3</sup>) and commercial (4,100 ug/m<sup>3</sup>) shallow soil vapor ESLs (Water Board, 2007).

#### DISCUSSION AND CONCLUSIONS

The results of the post-remediation vapor sampling conducted in August 2013 and approximately 5 months following termination of the SVE operations indicate that a significant decline has occurred in PCE concentrations across all wells sampled relative to the pre-remediation samples collected in June 2012, which included PCE as high as 12,000 ug/m³ in VE-1S (see Table 1). Some rebound in PCE concentrations has occurred relative to the October 2013 vapor samples collected three months into the SVE operations (see Table 1); however, at this time, only a single well (VE-1S) contains PCE at a level (2,100 ug/m³) which exceeds the cleanup goal of 1,400 ug/m³.

#### PLANNED ACTIVITIES

In concert with the CAP, the second post-remediation vapor monitoring event is scheduled for February 2013.

#### **CLOSING**

Endpoint appreciates your assistance with this project. If you have any questions, please contact Mehrdad Javaherian at 415-706-8935, or at <a href="mehrdad@endpoint-inc.com">mehrdad@endpoint-inc.com</a>.

Sincerely,

**Endpoint Consulting, Inc.** 

Mehrdad Javaherian, Ph.D., MPH, PE, LEED<sup>®</sup>GA

Program Manager





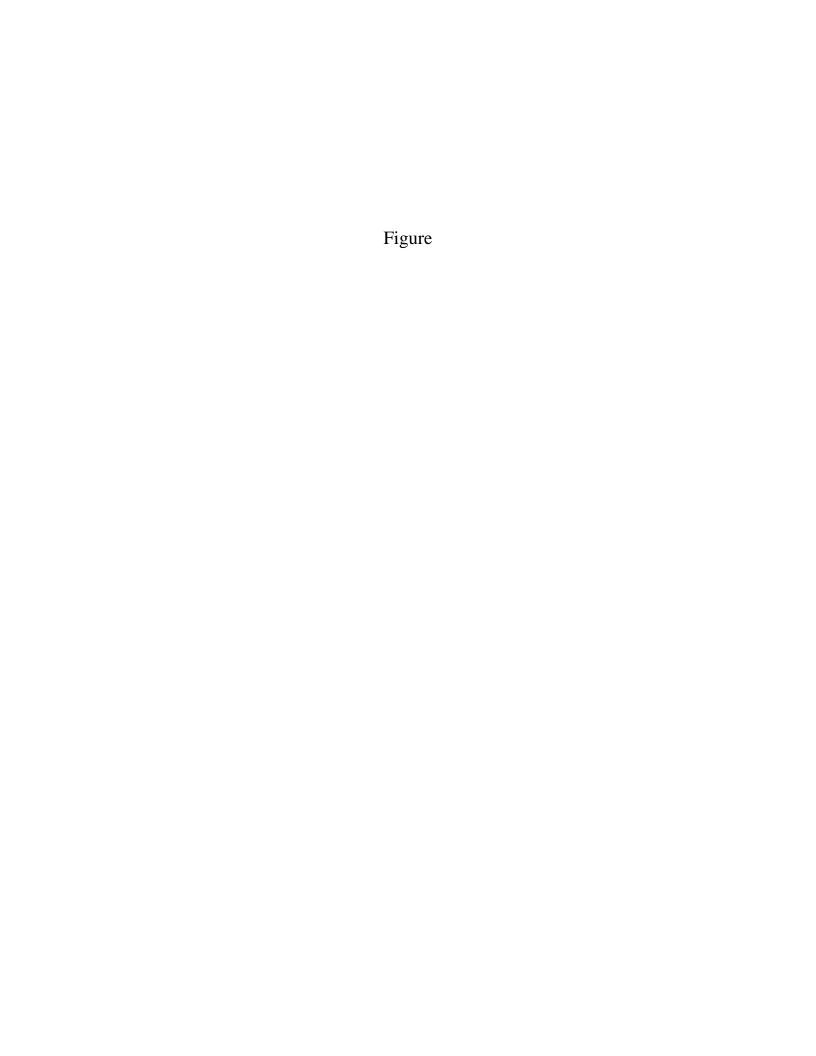
#### Attachments:

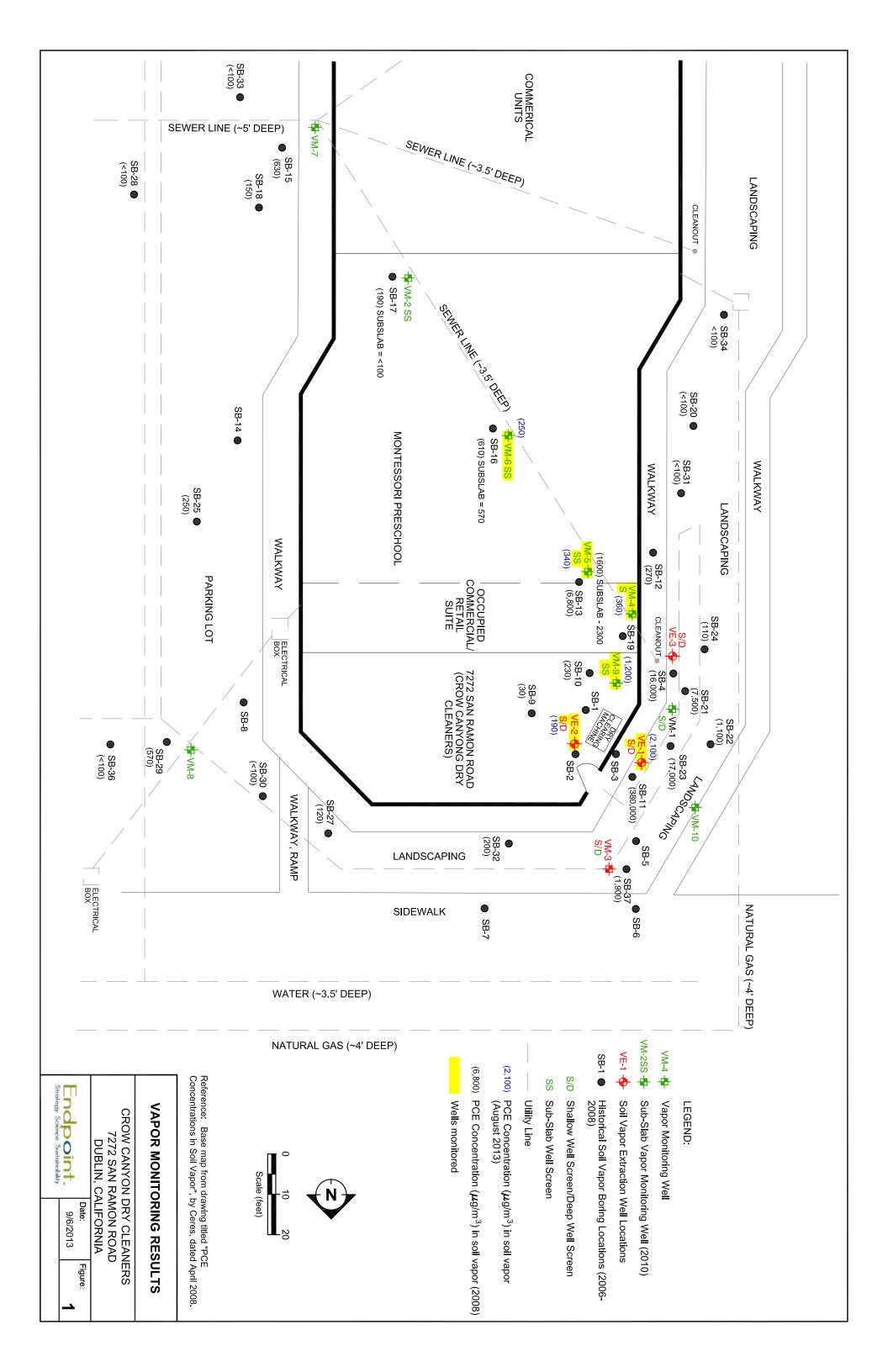
Table 1 - PCE Analytical Results in Soil Vapor

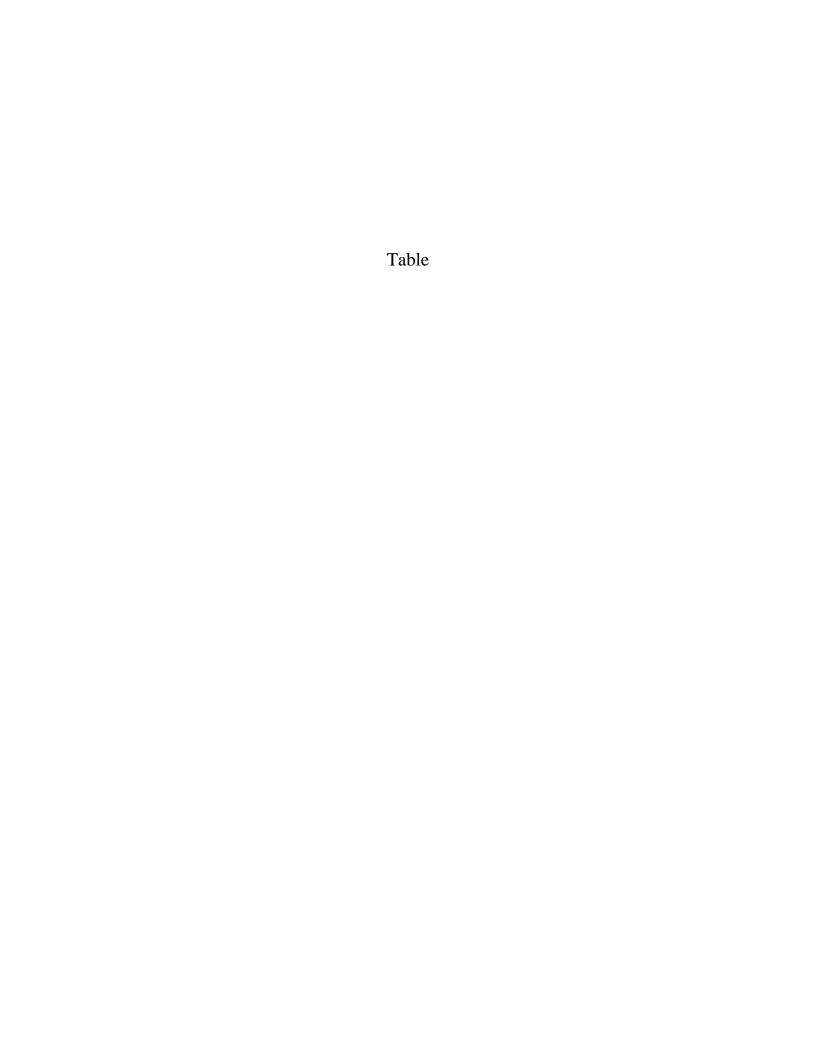
Figure 1 – Vapor Monitoring Results

Attachment A – Laboratory Analytical Report for August 2013 Vapor Sampling

Attachment B – Field Data Sheets







# Table 1 PCE Vapor Concentrations Vapor Monitoring and Extraction Well Locations

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

				PCE (	Concentrations (ug/m <sup>3</sup>	')			
Well I.D.	7/18/2009 to 7/30/2009 Baseline-Purge Test-SVE Shakedown Sampling Events	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	8/26/10 ~ 11 months after shutdown of SVE system	1/12/11 ~ 17 months after shutdown of SVE system	6/27/2012* ~ 34 months after shutdown of SVE system	10/9/2012 ~ 3.5 months after SVE restart**	08/23/2013 ~ 5 months after shutdown of SV system
VE-1S	1,200	23	<14	970	1,100	19,000	12,000	41	2,100
VE-1D	420	300	<14	770	NS	NS	4,500	NS	NS
VE-2S	5,900	<14	200	500	3,400	13,000	14,000	35	190
VE-2D	1,100	<14	<14	350	NS	NS	5,100	NS	NS
VE-3S	2,200	30	38	<14	870	260	<500	NS	NS
VE-3D	3,800	24	51	<14	NS	NS	790	NS	NS
VM-1S	<73	=	<14	20	2,600	580	1,200	NS	NS
VM-1D	160	=	16	140	NS	NS	520	NS	NS
VM-3S	8,100	=	55	81	NS	NS	NS	NS	NS
VM-3D	34J	=	<14	300	NS	NS	NS	NS	NS
VM-4S	10,000	=	180	310	1,100	1,100	2,100	22	360
VM-5SS	-	-	,	-	1,300	1,100	NS	68	340
VM-6SS	-	-	ı	-	650	390	NS	110	250
VM-2SS	-	-	ı	-	28	<14	NS	NS	NS
VM-7	-	-	ı	-	310	<14	240	NS	NS
VM-8	-	-	,	-	1,300	640	820	NS	NS
VM-9SS	-	-	,	-	11,000	14,000	7,200	280	1,200
VM-10	-	-	-	-	450	210	NS	NS	NS
			ESLs Commercial/In	 dustrial Land Use: 1,4	00 ug/m3				

<sup>\*</sup> Baseline Sampling prior to start of SVE Operations on June 28, 2012

NS = Not Sampled

Value exceeds the Commercial/Industrial ESL

<sup>\*\*</sup> system shutdown one week before sampling

# Attachment A Laboratory Analytical Report for August 2013 Vapor Sampling



# McCampbell Analytical, Inc.

"When Quality Counts"

# **Analytical Report**

**WorkOrder:** 1308864

**Report Created for:** Endpoint

1534 Plaza Lane #243 Burlingame, CA 94010

**Project Contact:** Mehrdad Javaher

**Project Name:** TM Dublin, Crow Canyon Rd

**Project P.O.:** 

**Project Received:** 08/23/2013

Analytical Report reviewed & approved for release on 09/03/2013 by:

Question about your data?

Click here to email
McCampbell

Angela Rydelius,

Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.



1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com NELAP: 12283CA ♦ ELAP: 1644 ♦ ISO/IEC: 17025:2005 ♦ WSDE: C972-11 ♦ ADEC: UST-098 ♦ UCMR3



## **Glossary of Terms & Qualifier Definitions**

**Client:** Endpoint

**Project:** TM Dublin, Crow Canyon Rd

**WorkOrder:** 1308864

Glossary Description
Abbreviation

DF Dilution Factor

LCS Laboratory Control Sample

MB Method Blank

MB % Rec % Recovery of Surrogate in Method Blank, if applicable

MDL Method Detection Limit

MS Matrix Spike

MSD Matrix Spike Duplicate

ND Not detected at or above the indicated MDL or RL

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.

RL Reporting Limit

RPD Relative Percent Deviation

SPK Val Spike Value

SPKRef Val Spike Reference Value



Endpoint	Client Project ID: TM Dublin, Crow	Date Sampled: 08/23/13
1534 Plaza Lane #243	Canyon Rd	Date Received: 08/23/13
Burlingame, CA 94010	Client Contact: Mehrdad Javaher	Date Reported: 09/03/13
Burningame, CIT 74010	Client P.O.:	Date Completed: 09/03/13

Work Order: 1308864

September 03, 2013

#### CASE NARRATIVE REGARDING TO-15 ANALYSIS

All summa canisters are EVACUATED 5 days after the reporting of the results. Please call or email if a longer retention time is required.

In an effort to attain the lowest reporting limits possible for the majority of the TO-15 target list, high level compounds may be analyzed using EPA Method 8260B.

Polymer (Tedlar) bags are not recommended for TO15 samples. The disadvantages are listed in Appendix B of the DTSC Advisory of April 2012.

Endpo	int			TM Dublin, Cr	ow	Date Sampled: 08/23/13				
1534 I	Plaza Lane #243	Canyo	Date Received: 08/23/13							
13311	Taza Zane 112 13	Client	Contact: Mel	hrdad Javaher		Date Extracted: 09/03/13				
Burlin	game, CA 94010	Client	P.O.:			Date Analyzed:	09/03/13	3		
				Helium*						
	n method: ASTM D 1946-90	34			M D 1946-		1		Order: 13	
Lab ID	Client ID	Matrix	Initial Pressure	Final Pressure		Helium		DF	% SS	Comments
004A	VM-4S	Soil Gas	12.93	25.76		0.15		1	N/A	
006A	VM-6SS	Soil Gas	13.42	26.75		1.9		1	N/A	
	Reporting Limit for DF =1; ND means not detected at or	W	psia	psia		NA				NA
	above the reporting limit	SoilGas	psia	psia		0.005				%
	samples are reported in %.									
%SS = P	ercent Recovery of Surrogate Standard									
DF = Dil	ution Factor									

Angela Rydelius, Lab Manager

Endpoint	Client Project ID: TM Dublin, Crow	Date Sampled: 08/23/13
	Canyon Rd	Date Received: 08/23/13
1534 Plaza Lane #243	Client Contact: Mehrdad Javaher	Date Extracted: 08/27/13-08/29/13
Burlingame, CA 94010	Client P.O.:	Date Analyzed: 08/27/13-08/29/13

#### TPH gas + Volatile Organic Compounds in µg/m<sup>3\*</sup>

Extraction Method: TO15 Analytical Method: TO15 Work Order: 1308864

Extraction Method: TO15	An	alytical Method: TO15			Work Order:	1308864
Lab ID	1308864-001A	1308864-002A	1308864-003A	1308864-004A		
Client ID	VE-2S	VE-1S	VM-9SS	VM-4S	Reporting DF	
Matrix	Soil Gas	Soil Gas	Soil Gas	Soil Gas		
DF	1	1	1	1		
Initial Pressure (psia)	12.83	13.08	13.18	12.93	Soil Gas	W
Final Pressure (psia)	25.56	26.07	26.28	25.76		
Compound			ntration	2000	μg/m³	ug/L
Bromodichloromethane	ND	ND	ND	ND	3.5	NA
Bromoform	ND<5.2	ND<5.2	ND<5.2	ND<5.2	5.25	NA
Bromomethane	ND<2.0	ND<2.0	ND<2.0	ND<2.0	1.95	NA
Carbon Tetrachloride	ND	ND	ND	ND	3.2	NA
Chlorobenzene	ND<2.4	ND<2.4	ND<2.4	ND<2.4	2.35	NA
Chloroethane	ND<1.3	ND<1.3	ND<1.3	2.1	1.34	NA
Chloroform	ND<2.4	ND<2.4	ND<2.4	ND<2.4	2.45	NA
Chloromethane	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.05	NA
Dibromochloromethane	ND<4.4	ND<4.4	ND<4.4	ND<4.4	4.35	NA
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	3.9	NA
1,2-Dichlorobenzene	ND<3.0	ND<3.0	ND<3.0	ND<3.0	3.05	NA
1,3-Dichlorobenzene	ND<3.0	ND<3.0	ND<3.0	ND<3.0	3.05	NA
1,4-Dichlorobenzene	ND<3.0	ND<3.0	ND<3.0	ND<3.0	3.05	NA
Dichlorodifluoromethane	ND	ND	2.5	2.7	2.5	NA
1,1-Dichloroethane	ND<2.0	ND<2.0	ND<2.0	ND<2.0	2.05	NA
1,2-Dichloroethane (1,2-DCA)	ND<2.0	ND<2.0	ND<2.0	ND<2.0	2.05	NA
1,1-Dichloroethene	ND	ND	ND	ND	2.0	NA
cis-1,2-Dichloroethene	ND	ND	4.4	ND	2.0	NA
trans-1.2-Dichloroethene	ND	ND	3.2	ND	2.0	NA
1,2-Dichloropropane	ND<2.4	ND<2.4	ND<2.4	ND<2.4	2.35	NA
cis-1,3-Dichloropropene	ND	ND	ND	ND	2.3	NA
trans-1,3-Dichloropropene	ND	ND	ND	ND	2.3	NA
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND<3.6	ND<3.6	ND<3.6	ND<3.6	3.55	NA
Freon 113	ND	ND	ND	ND	3.9	NA
Methylene chloride	ND<1.8	ND<1.8	ND<1.8	ND<1.8	1.75	NA
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	3.5	NA
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	3.5	NA
Tetrachloroethene	190	2100	1200	360	3.45	NA
1,2,4-Trichlorobenzene	ND<3.8	ND<3.8	ND<3.8	ND<3.8	3.75	NA
1,1,1-Trichloroethane	ND<2.8	ND<2.8	ND<2.8	ND<2.8	2.75	NA
1,1,2-Trichloroethane	ND<2.8	ND<2.8	ND<2.8	ND<2.8	2.75	NA
Trichloroethene	ND<2.8	10	32	ND<2.8	2.75	NA
Trichlorofluoromethane	ND<2.8	ND<2.8	ND<2.8	ND<2.8	2.85	NA
Vinyl Chloride	ND	ND	ND	ND	1.3	NA
	Sui	rogate Recoveries (	2%)	<u> </u>		
%SS1:	116	115	116	114		
%SS2:	115	116	116	113		
%SS3:	114	111	114	117		
Comments						
·		-	1		•	

\*vapor samples are reported in  $\mu g/m^3$ .

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.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor

Endpoint	Client Project ID: TM Dublin, Crow	Date Sampled: 08/23/13
	Canyon Rd	Date Received: 08/23/13
1534 Plaza Lane #243	Client Contact: Mehrdad Javaher	Date Extracted: 08/27/13-08/29/13
Burlingame, CA 94010	Client P.O.:	Date Analyzed: 08/27/13-08/29/13

#### TPH gas + Volatile Organic Compounds in µg/m3\*

Analytical Method: TO15 Extraction Method: TO15 Work Order: 1308864 Lab ID 1308864-006A 1308864-005A Reporting Limit for Client ID VM-5SS VM-6SS DF = 1Matrix Soil Gas Soil Gas DF 1 1 Soil Gas W Initial Pressure (psia) 13.21 13.42 Final Pressure (psia) 26.32 26.75 Compound Concentration  $\mu g/m^3$ ug/L ND ND 3.5 NA Bromodichloromethane Bromoform ND<5.2 ND<5.2 5.25 NA Bromomethane ND<2.0 ND<2.0 1.95 NA Carbon Tetrachloride ND ND 3.2 NA ND<2.4 ND<24 2.35 Chlorobenzene NA Chloroethane ND<1.3 ND<1.3 1.34 NA ND<2.4 ND<2.4 2.45 Chloroform NA ND<1.0 1.05 Chloromethane ND<1.0 NA Dibromochloromethane ND<4.4 ND<4.4 4.35 NA 1,2-Dibromoethane (EDB) ND ND 3.9 NA 3.05 1,2-Dichlorobenzene ND<3.0 ND<3.0 NA 3.05 1,3-Dichlorobenzene ND<3.0 ND<3.0 NA 1,4-Dichlorobenzene ND<3.0 ND<3.0 3.05 NA Dichlorodifluoromethane 2.7 ND 2.5 NA 1,1-Dichloroethane ND<2.0 ND<2.0 2.05 NA 2.05 1,2-Dichloroethane (1,2-DCA) ND<2.0 ND<2.0 NA 1,1-Dichloroethene ND ND 2.0 NA cis-1,2-Dichloroethene ND ND 2.0 NA ND 2.0 trans-1,2-Dichloroethene ND NA 2.35 1,2-Dichloropropane ND<2.4 ND<2.4 NA ND NA cis-1,3-Dichloropropene ND ND ND NA trans-1,3-Dichloropropene 1,2-Dichloro-1,1,2,2-tetrafluoroethane ND<3.6 ND<3.6 3.55 NA Freon 113 ND ND 3.9 NA Methylene chloride ND<1.8 ND<1.8 1.75 NA 1,1,1,2-Tetrachloroethane ND ND 3.5 NA 3.5 1,1,2,2-Tetrachloroethane ND ND NA Tetrachloroethene 340 3.45 NA ND<3.8 3.75 1,2,4-Trichlorobenzene ND<3.8 NA 2.75 1,1,1-Trichloroethane ND<2.8 ND<2.8 NA ND<2.8 ND<2.8 2.75 NA 1.1.2-Trichloroethane Trichloroethene ND<2.8 ND<2.8 2.75 NA Trichlorofluoromethane ND<2.8 ND<2.8 2.85 NA Vinvl Chloride ND ND 1.3 NA Surrogate Recoveries (%) %SS1: 116 116 %SS2: 115 %SS3: 114 111

\*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.

%SS = Percent Recovery of Surrogate Standard

DF = Dilution Factor

Comments

Angela Rydelius, Lab Manager

Endpoint  1534 Plaza Lane #243	Client Project ID: TM Dublin, Crow	Date Sampled: 08/23/13
	Canyon Rd	Date Received: 08/23/13
	Client Contact: Mehrdad Javaher	Date Extracted: 08/27/13
Burlingame, CA 94010	Client P.O.:	Date Analyzed: 08/27/13

#### Leak Check Compound\*

Analytical methods: TO15 Work Order: 1308864 Extraction method: TO15

Extractio	on method: 1015		Allalyt	icai metnods: 10	015	work Order: 13		: 1308864		
Lab ID	Client ID	Matrix	Initial Pressure	Final Pressure	Isopropyl Alcohol	DF	% SS	Comments		
001A	VE-2S	Soil Gas	12.83	25.56	ND	1	N/A			
002A	VE-1S	Soil Gas	13.08	26.07	ND	1	N/A			
003A	VM-9SS	Soil Gas	13.18	26.28	ND	1	N/A			
005A	VM-5SS	Soil Gas	13.21	26.32	ND	1	N/A			
							•			
								•		
								•		
-	Reporting Limit for DF =1; ND means not detected at or	W	psia	psia	NA	•		NA		
	above the reporting limit	SoilGas	psia	psia	50		ŀ	ıg/m³		

Reporting Limit for DF =1; ND means not detected at or	W	psia	psia	NA	NA
above the reporting limit	SoilGas	psia	psia	50	$\mu g/m^3$

<sup>\*</sup> leak check compound is reported in  $\mu g/m^3$ .

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

The (liquid) Leak Check reference is:

DTSC, Advisory-Active Soil Gas Investigations, April 2012, page 17, section 4.2.2.1:

"The laboratory reports should quantify and annotate all detections of the leak check compound at the reporting limit of the target analytes."

%SS = Percent Recovery of Surrogate Standard

CDPH ELAP 1644 ♦ NELAP 12283CA

DF = Dilution Factor

Analyst's Initial GM

Angela Rydelius, Lab Manager

## **Quality Control Report**

 Client:
 Endpoint
 WorkOrder:
 1308864

 Date Prepared:
 9/3/13
 BatchID:
 81260

Date Analyzed:9/3/13Extraction MethodASTM D 1946-90Instrument:GC26Analytical Method:ASTM D 1946-90

Matrix: Soilgas Unit: %

Project: TM Dublin, Crow Canyon Rd Sample ID: MB/LCS-81260

## QC SUMMARY REPORT FOR ASTM D 1946-90

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Helium	ND	0.01104	0.0050	0.010	=	110	60-140

# **Quality Control Report**

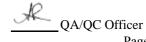
**Client:** Endpoint WorkOrder: 1308864 **Date Prepared:** 8/27/13 **BatchID:** 81196 Date Analyzed: 8/27/13 **Extraction Method** TO15 **Instrument:** GC24 **Analytical Method:** TO15 Matrix: Soilgas Unit:  $\mu g/m^3$ 

**Project:** TM Dublin, Crow Canyon Rd **Sample ID:** MB/LCS-81196

### QC SUMMARY REPORT FOR TO15

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS	LCS %REC	LCS Limits
Acetone	ND	-	25	-	-	-	-
Acrylonitrile	ND	-	0.50	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	-	0.50	-	-	-	-
Benzene	ND	-	0.50	-	-	-	-
Benzyl chloride	ND	-	0.50	-	-	-	-
Bromodichloromethane	ND	21.4	0.50	25	-	85.6	60-140
Bromoform	ND	27.24	0.50	25	-	109	60-140
Bromomethane	ND	-	0.50	-	=	-	-
1,3-Butadiene	ND	-	0.50	-	-	-	-
2-Butanone (MEK)	ND	-	25	-	-	-	-
t-Butyl alcohol (TBA)	ND	-	10	-	-	-	-
Carbon Disulfide	ND	-	0.50	-	-	-	-
Carbon Tetrachloride	ND	22.47	0.50	25	-	89.9	60-140
Chlorobenzene	ND	20.13	0.50	25	-	80.5	60-140
Chloroethane	ND	22.48	0.50	25	=	89.9	60-140
Chloroform	ND	19.93	0.50	25	-	79.7	60-140
Chloromethane	ND	19.54	0.50	25	-	78.2	60-140
Cyclohexane	ND	-	5.0	-	-	-	-
Dibromochloromethane	ND	23.73	0.50	25	-	94.9	60-140
1,2-Dibromo-3-chloropropane	ND	-	0.012	-	-	-	-
1,2-Dibromoethane (EDB)	ND	20.13	0.50	25	-	80.5	60-140
1,2-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,3-Dichlorobenzene	ND	20.47	0.50	25	-	81.9	60-140
1,4-Dichlorobenzene	ND	19.36	0.50	25	-	77.4	60-140
Dichlorodifluoromethane	ND	22.75	0.50	25	-	91	60-140
1,1-Dichloroethane	ND	22.33	0.50	25	-	89.3	60-140
1,2-Dichloroethane (1,2-DCA)	ND	21.05	0.50	25	-	84.2	60-140
1,1-Dichloroethene	ND	-	0.50	-	-	-	-
cis-1,2-Dichloroethene	ND	21.6	0.50	25	-	86.4	60-140
trans-1,2-Dichloroethene	ND	21.98	0.50	25	-	87.9	60-140
1,2-Dichloropropane	ND	18.65	0.50	25	-	74.6	60-140
cis-1,3-Dichloropropene	ND	21.63	0.50	25	-	86.5	60-140
trans-1,3-Dichloropropene	ND	23.04	0.50	25	-	92.2	60-140
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	21.51	0.50	25	-	86	60-140
Diisopropyl ether (DIPE)	ND	-	0.50	-	-	-	-
1,4-Dioxane	ND	-	0.50	-	-	-	-
Ethanol	ND	-	50	-	-	-	-
Ethyl acetate	ND	-	0.50	-	-	-	-

(Cont.)



# **Quality Control Report**

**Client:** Endpoint WorkOrder: 1308864 **Date Prepared:** 8/27/13 **BatchID:** 81196 Date Analyzed: 8/27/13 **Extraction Method** TO15 **Instrument:** GC24 **Analytical Method:** TO15 **Matrix:** Soilgas Unit:  $\mu g/m^3$ 

**Project:** TM Dublin, Crow Canyon Rd **Sample ID:** MB/LCS-81196

### **QC SUMMARY REPORT FOR TO15**

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS	LCS %REC	LCS Limits
Ethyl tert-butyl ether (ETBE)	ND	-	0.50	-	-	-	-
Ethylbenzene	ND	-	0.50	-	-	-	-
4-Ethyltoluene	ND	-	0.50	-	-	-	-
Freon 113	ND	21.57	0.50	25	-	86.3	60-140
Heptane	ND	-	5.0	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexane	ND	-	5.0	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	-	0.50	-	-	-	-
Methylene chloride	ND	19.41	0.50	25	-	77.6	60-140
Naphthalene	ND	-	1.0	-	-	-	-
Propene	ND	-	50	-	-	-	-
Styrene	ND	-	0.50	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	21.9	0.50	25	-	87.6	60-140
1,1,2,2-Tetrachloroethane	ND	18.56	0.50	25	-	74.2	60-140
Tetrachloroethene	ND	19.32	0.50	25	-	77.3	60-140
Tetrahydrofuran	ND	-	0.50	-	-	-	-
Toluene	ND	-	0.50	-	-	-	-
1,2,4-Trichlorobenzene	ND	21.38	0.50	25	-	85.4	60-140
1,1,1-Trichloroethane	ND	24.32	0.50	25	-	97.3	60-140
1,1,2-Trichloroethane	ND	18.68	0.50	25	-	74.7	60-140
Trichloroethene	ND	18.43	0.50	25	-	73.7	60-140
Trichlorofluoromethane	ND	-	0.50	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.50	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.50	-	-	-	-
Vinyl Acetate	ND	-	0.50	-	-	-	-
Vinyl Chloride	ND	19.8	0.50	25	-	79.2	60-140
Xylenes, Total	ND	70.06	1.5	75	-	93.4	60-140
Surrogate Recovery							
1,2-DCA-d4	570.2	582.5		500	114	116	60-140
toluene-d8	562.6	572.2		500	113	114	60-140
4-BFB	541.2	556.7		500	108	111	60-140

## McCampbell Analytical, Inc.

FAX:

## **CHAIN-OF-CUSTODY RECORD**

ClientCode: EPB

WorkOrder: 1308864

Page 1 of 1

1534 Willow Pass Rd Pittsburg, CA 94565-1701 (925) 252-9262

415-706-8935

**EQuIS** ☐ WaterTrax WriteOn □ EDF ✓ Excel ✓ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag Report to: Bill to: Requested TAT: 5 days Mehrdad Javaher Email: mehrdad@endpoint-inc.com Accounts Payable **Endpoint Endpoint** cc: Date Received: 08/23/2013 PO: 1534 Plaza Lane #243 1534 Plaza Lane #243 Burlingame, CA 94010 ProjectNo: TM Dublin, Crow Canyon Rd Burlingame, CA 94010 Date Printed: 09/03/2013

					Requested Tests (See legend below)											
Lab ID	Client ID	Matrix	<b>Collection Date</b>	Hold	1	2	3	4	5	6	7	8	9	10	11	12
1308864-001	VE-2S	Soil Gas	8/23/2013 9:04		Α	Α										
1308864-002	VE-1S	Soil Gas	8/23/2013 9:36			Α										
1308864-003	VM-9SS	Soil Gas	8/23/2013 10:58			Α										
1308864-004	VM-4S	Soil Gas	8/23/2013 11:38			Α										
1308864-005	VM-5SS	Soil Gas	8/23/2013 12:05			Α										
1308864-006	VM-6SS	Soil Gas	8/23/2013 12:22			Α										

#### **Test Legend:**

1	PRUNUSEDSUMMA	2 5-8010_Scan-SIM_SOIL(UG	3	4	5	
6		7	8	9	10	
11		12				

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

Prepared by: Maria Venegas

#### **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.

1308864

			10000											
1534 WILLOW Website: www.n	V PASS I	ROAD / I	ALYTICAL INC PITTSBURG, CA 9456 Email: main@mccamp 2 / Fax: (925) 252-9269	5-1701	CHAIN OF CUSTODY RECORD  TURN AROUND TIME  RUSH 24 HR 48 HR 72 HR 5DAY  EDF Required? Coelt (Normal) No Write On (DW) No									
Report To: Mehra	10		Bill To:	Dont	Lab Use Quly									
Company: END poi		Con	sulting 7	ine	Pressurization							ion Gas		
1534 PLAZ			# 243		Pressurized By Date									
Buelnama	Con		E-Mail:		上队员的连接。 10、2000年2月77年,1965年,1965年,1967年,1967年,1967年,1967年,1967年,1967年,1967年,1967年,1967年,1967年,1967年,1967年,1967年							Не		
Tele: (4/5) 706.	89 =	-	Fax: ( )											
Project #: TmDuB			Project Name:	LOW CAN YOU	Helium	Shroud SN#:								
Project Location: 727		C	Roman	Rd	Other:									
Sampler Signature:	1	2	7-11-00		Notes:		72. 17	7 7	0					
Elald Comple ID	Colle	ection		Manifold / Sampler		-15 80	olo Li	Ster	3	-				
Field Sample ID (Location)			Canister SN#	Kit SN#		Analysis Requested		Soil	Ca	nister Pre	ssure/Vacu	um		
VE 9-3-13	Date	Time		12			Indoor Air	Gas	Initial	Final	Receipt	Final (psi)		
Vm-25	8/27/8	2090	4 6200	981	TO	-15 Tso		X	29	-4	W			
Vm-15	1	936	6164	986	-	Tso		1	-30	-9	Spirit Africa (p. 17			
Vm-955		1058	6168	983					-27	- 4	Vieta -			
Vm-45	8	1138	7508	980		He:			-30	-4	Color			
VM-555		1205	6412	984					-30	-4	74 - Y			
Vm-655	V	[222	7531	988	V	He		V	-30	-4		1 1 2		
											W	-		
		-									Total			
	/	m	Paraland Para								END TO			
Relinquished By:	Date:	Time:	Received By:	10 6	Temp (° Equipme Conditio		Work Order	#:						
Relinquished By:	Date: Time: Received By:				Shipped Via:									

## **Sample Receipt Checklist**

Client Name:	Endpoint				Date and	Time Received:	8/23/2013 1	8/23/2013 1:32:00 PM				
Project Name:	TM Dublin, Crow Ca	anyon Rd			LogIn Rev	viewed by:		Maria Venegas				
WorkOrder N°:	1308864	Matrix: Soil Gas			Carrier:	Client Drop-In						
		Cha	ain of Cu	ustody (COC	) Information	1						
Chain of custody	present?		Yes	✓	No 🗌							
Chain of custody	signed when relinqui	shed and received?	Yes	<b>✓</b>	No 🗌							
Chain of custody	agrees with sample I	abels?	Yes	<b>✓</b>	No 🗆							
Sample IDs note	d by Client on COC?		Yes	<b>✓</b>	No 🗌							
Date and Time of	f collection noted by (	Client on COC?	Yes	<b>✓</b>	No 🗌							
Sampler's name	noted on COC?		Yes	<b>✓</b>	No 🗌							
			Sample	Receipt Int	ormation							
Custody seals int	tact on shipping conta	ainer/cooler?	Yes		No 🗌		NA 🗸					
Shipping contain	er/cooler in good con	dition?	Yes	<b>✓</b>	No 🗌							
Samples in prope	er containers/bottles?		Yes	<b>✓</b>	No 🗌							
Sample containe	rs intact?		Yes	<b>✓</b>	No 🗌							
Sufficient sample	e volume for indicated	I test?	Yes	<b>✓</b>	No 🗆							
		Sample Pres	servatio	n and Hold	Time (HT) Info	ormation						
All samples recei	ived within holding tin	ne?	Yes	<b>✓</b>	No 🗆							
Container/Temp	Blank temperature		Coole	er Temp:			NA 🗸					
Water - VOA vial	s have zero headspa	ce / no bubbles?	Yes		No 🗌 No	VOA vials submi	tted 🗸					
Sample labels ch	necked for correct pre	servation?	Yes	<b>✓</b>	No 🗌							
Metal - pH accep	table upon receipt (pl	H<2)?	Yes		No 🗆		NA 🗹					
Samples Receive	ed on Ice?		Yes		No 🗸							
* NOTE: If the "N	lo" box is checked, se	ee comments below.										
Comments:		======	===			=====		=====				

# Attachment B Field Data Sheets

		. ^	Soil Vapor P	robe Purging/	Sampling Log	
P	roject Name: 0	low Ca	men		Soil Vapor Probe ID: 4 VE - 25	
	Job Number:	m Dus	Lin	Marian.	Suma Can Serial #: 6 200	
	Date: 4	3/23/1	3	MANAGE .	Flow Controller #: 9 % /	
	Sampler(s):	10005	F			
Sample I	D and Time:	1/2-7	3-0904			
- Cumpic i	Notes:	010	15011	EVAC -	Final Vacuum:	
	Notes.		130. 0	- URTC	, m, w	
	Alternativa programa de la companya					
Sp	ecifications				Purge Volume Calculation	
	ubing length:	cm			130	d
	er diameter:				Purge volume = tubing + sandpack	3
	ng diameter:	cm			Tubing = Pi * (inner diameter/2) <sup>2</sup> * length	
1	pack height:				= cm3 405	
	robe length:	cm			Sandpack = Pi * (boring diameter/2) <sup>2</sup> * sandpack height * porosity	
N .	be diameter:	cm			= cm3	
	na flow rate: 150	cm			rurge volume: 1350 cm³ Start Time: 8849	
		mL/min			nes extracted: 3 ( Total Purge Time: 14	
Pun	ge flow rate: 300	<u></u> mL/min	Pi =	= 3.1416	1 inch = 2.54 cm Est. max. porosity = 0.375	
	Ho in Ohaaad		T		1 ml = 1 cm3	
	He in Shroud %	Purge	He in Purge Sample % or ppm	VOCs ppby / ppm		
Time	, 1	Time	,	ppbv / ppm	Comments	
	NIA	(min./sec.)	N/A.			
0842	-	05				-
0844		0		1,3		
0849		.5		.3	1500	
0454	9	10		-3	3000	
0856		14		04	4200	
0 3/0		17			7 200	**********
0906						
0/00				+4		
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				:		
	PLANT					
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	7 Table 10 T					
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		1				
		-				

			Soil Vapor I	Probe Purging/S	Sampling Log
P	roject Name: COL	ow C	myon		Soil Vapor Probe ID: VETS
	Job Number:	-DUBL		¥	Suma Can Serial #: 6/64
	Date: 8/	23/13	5	minima de la companya del companya de la companya del companya de la companya de	Flow Controller #: 986
	Sampler(s):	· Pacst	Bernandersteinen.	-	Initial Vacuum: 30
Sample I	ID and Time: VE	-15-	0936		Final Vacuum: - 4
	Notes: 16	to	12011 04	Hoo for	Sura.
Ċ-	:6:4:				
	ecifications				Purge Volume Calculation
	ubing length:				Purge volume = tubing + sandpack
	ner diameter: ng diameter:	maps.			Tubing = Pi * (inner diameter/2) <sup>2</sup> * length
	lpack height:				= cm3
	Probe length:				Sandpack = Pi * (boring diameter/2) <sup>2</sup> * sandpack height * porosity = cm3
	be diameter:	_ cm		Single p	urge volume: 4350 cm³ Start Time: 67/6
	ma flow rate: 150	-			es extracted: 3 Total Purge Time: 14
	ge flow rate: 300		Pi	i = 3.1416	1 inch = 2.54 cm Est. max. porosity = 0.375
	90 1101 12101		• • •	0.1110	
	He in Shroud	Purge	He in Purge Sample	VOCs	1 ml = 1 cm3
Time	%	Time	% or ppm	ppbv / ppm	Comments
	NA	(min./sec.)	WA	ACCES - 100 ACCES	*
0916		0		1.8	
6921		5		112	
0926		10	*	1.3	
5930		14		111	
9938				1,8	
6					
E.					
					-
				1	
e r					

		Soil Vapor Pro	obe Purging/Sa	ampling Log
Project Name:	C.D a d C 10	my m		Soil Vapor Probe ID: Vm-955
Job Number:	Two Dugs	Car.		Suma Can Serial #: 6/68
Date:	8/23/1	3		Flow Controller #: 983
Sampler(s):	S. POUST	~		Initial Vacuum: — 29
Sample ID and Time:	VM-95	3-1050	1451 at	Final Vacuum:
Notes:	·	Herry)	145100	- Vac for 5 min
-		The street stree		
Specifications				Purge Volume Calculation
Tubing length:	cm			Purge volume = tubing + sandpack
Tubing inner diameter:				Tubing = Pi * (inner diameter/2) <sup>2</sup> * length
Boring diameter:				= cm3
Sandpack height:			;	Sandpack = Pi * (boring diameter/2)2 * sandpack height * porosity
Probe length:				= cm3
Probe diameter:	cm			rge volume: 2 cm³ Start Time: 105 i
Summa flow rate:	SO mL/min			s extracted: Total Purge Time:
Purge flow rate:	50 mL/min	Pi =		1 inch = 2.54 cm Est. max. porosity = 0.375
He in Shro	and I	He in Purge Sample	VOCs	1 ml = 1 cm3
%	Purge /		ppbv / ppm	Comments
Time 27,	Time (min./sec.)	10		
1051	0			
1052 26:	9 1	,		
1053 2611	6 7	8 7°	310	
400				
1004 261	2			
1056 25	8			
058 25,	1		* <sub>5</sub>	
1059 25	0			
051 051				
1101 24.	7	0%	1.9	
			*	
	9			5
				1
				3

			Soil Vapor F	Probe Purging/S	Sampling Log	
Pro	oject Name:	and C	myon		Soil Vapor F	Probe ID: VM-45
	ob Number:	Tim Do	BUN	and the second s	Suma Can	The state of the s
		23/13	1	- Annies -		ntroller #: 9 80
,	Sampler(s):	5 i Pol	STON			Vacuum:
		1-45 =	1138	2		Vacuum: -4
	2.4	lio s	504 Vac f	For Smin	<u> </u>	
	ecifications				Purge Volume Calculation	
	bing length:				Purge volume = tubing + sa	
	er diameter:				Tubing = Pi * (inner diam	
	ng diameter:				= cm	
	pack height:					ameter/2) <sup>2</sup> * sandpack height * porosity
	robe length: be diameter:	MONTHS.		Single n	= cm urge volume: 1235 cm	
	1	cm mL/min			es extracted: 3(16)	Start Time: 17
	ge flow rate: 730		Pi		1 inch = 2.54 cm	Total Purge Time: 3
Luig	e llow rate.	_ [1117]11]111	П	= 3.1410		Est. max. porosity = 0.375
	He in Shroud	T	He in Purge Sample	VOCs 🔿	1 ml = 1 cm3	
Time -	%	Purge Time	% or ppm	ppbv / (ppm)		Comments
Timo	29,6	(min./sec.)	070			
1/20	29.3	0		07		30
1125	2819	5	0	,4	1500	
1129	28.2	+09	6	14	2700	
1172	27.6	1 2	ව	.3	3100	**************************************
1.77	<i>V</i>	13			3100	
1134	27.5	1				<b>—</b> 17-14-5-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
1136	2710			,		* %
1138	26,4					
		Ε.				
1139	26.1		0	15		
•						
			2 10			
			2			
				251		
				× .		***************************************
			. 3			
			2			
1	,	1 1		1		

		_		Soil Vapor	Probe Purgi	ing/Sampling Log
Pr	oject Name:	CRO	W Ch	ner		Soil Vapor Probe ID: VM - 535
	lob Number:		Previ	A .	parametricity.	Suma Can Serial #: 64/2
	Date:	4	123/1	3		Flow Controller #: 989
	Sampler(s):	5	· POVIT			Initial Vacuum: -30
Sample I	D and Time:	VM	-555	1205		Final Vacuum: 4
	Notes:	1	(elo)	150 "	VAC for	2 6 Min
Sn	ecifications					Duran Valuma Calantafan
						Purge Volume Calculation
	ubing length: er diameter:		-			Purge volume = tubing + sandpack
	ng diameter:		cm			Tubing = Pi * (inner diameter/2) <sup>2</sup> * length
	pack height:		cm			= cm3 Sandpack = Pi * (boring diameter/2) <sup>2</sup> * sandpack height * porosity
	robe length:		cm			
	be diameter:		cm		Sin	= cm3  ngle purge volume: // cm³ Start Time: //5-4
	na flow rate:					
	ge flow rate:		mL/min		Pi = 3.1416	
· ui	go now rate.	.,, .,			1 - 3.1410	
	He in Sh	roud	D	He in Purge Sample	VOCs	1 ml = 1 cm3
Time	%		Purge Time	% or ppm	ppbv / pp	Comments
	30	12	(min./sec.)	0		
1154	30		0	*		
1156	29	,4	7_	0	07	
						:
1158	29	1				
1200	28	6				
1200	28	13				
1204	27	9				
		-				
1205	27.	2		070	04	
						5
		i				
				11		
			3			
			20			
				-		
	,					

		, 0	Soil Vapor F	Probe Purging/S	Sampling Log
Pr	roject Name:	al Cr	type		Soil Vapor Probe ID: VM - 655
ل	Job Number:	- DUB	(IN	2	Suma Can Serial #: 1753/
	Date. Sol		3		Flow Controller #: 988
		Polista	e   122	7,	Initial Vacuum: — 30
Sample II	ID and Time:	1-63	S		Final Vacuum:
	Notes:	elp	1500 V	sac for	5 min
	-	Control of the Contro			
	<u>pecifications</u>				Purge Volume Calculation
	ubing length: ner diameter:				Purge volume = tubing + sandpack  Tubing = Ri * (inner diameter(2) * length
	ng diameter:				Tubing = Pi * (inner diameter/2) <sup>2</sup> * length = cm3
	lpack height:				Sandpack = Pi * (boring diameter/2) <sup>2</sup> * sandpack height * porosity
	Control of the contro	_ cm			= cm3
Prob	be diameter:	_cm		Single p	ourge volume: 11 cm³ Start Time: 1212
	ma flow rate: 150			Total purge volume	nes extracted: 9 Total Purge Time: 2
Pur	rge flow rate: 50	_mL/min	Pi	i = 3.1416	1 inch = 2.54 cm Est. max. porosity = 0.375
	He in Shroud		III- in Divers Comple	1,000	1 ml = 1 cm3
Time	He in Shroud	ruige	He in Purge Sample % or ppm	VOCs ppbv / ppm	Comments
Time	26.9	Time (min./sec.)			1
1212	26.8	0		3	
1214	26:1	2		16	-
1011					
121,	2 - 2				
1216	US , 1				
1218	25,4				
220	24,9				
m	24.3	4)	0%	04	
				· ·	
				T.	
	-				
	Section 2017 (Association Confederation Section 2017) and the section Confederation Co				

McCAN	1PBEL	L ANA	LYTICAL INC.	CHAIN OF CUSTODY RECORD										
1534 WILLOW	PASS RO	DAD / PI	TTSBURG, CA 94565-	1701	TURN.	AROUND TI								
Website: www.m. Telephor	ccampbell ne: (877) 2	<u>l.com</u> / Er 252-9262 /	mail: main@mccampbo / Fax: (925) 252-9269	ell.com	EDF Requ	ired? Coelt (N	lormal) N	lo W	rite On (D)		2 HR 51	DAY		
Report To: Mehrip			Bill To: (JVO)	1514	Lab Use Only									
Company: End poil		Con to	al Children from		Progenitive Con-									
		1 3	the second		Pressurized By Date									
1334 9 42	112		E-Mail:		N2 He									
1534 PLAZA LN # 243  BUZLING CA E-Mail:  Tele: (4/5) 706-8955 Fax: ( )						Programming Lord in		77 3500 100 100 100 100 100 100 100 100 100 1	Market Park	CANAL S				
Project Name						roud SN#:		<u> </u>						
							4		2			\$ <sub>0</sub>		
	7/	>197	Remond	1-01	Other:				(*)					
Sampler Signature:						15 80	io Li	Ster	Ut	•				
2 2	Colle	ction										è		
Field Sample ID			Canister SN#	Manifold / Sampler Kit SN#	Analysis Requested		Indoor	Soil	Co	nister Pres	sure/Vacu	II M		
(Location)	Date	Time		KII SIN#	Anaiysi	s Requesteu	Air	Gas	Initial	Final	Receipt	Final		
	Date			- Cartina		C AND						(psi)		
Vm-25	8/23/	5070	1 6200	981	TO-	15 Txo.		X_	29	-4	The state of the s			
Vm-15	1	936	6/64	986		TSO			-30	-4				
Vm-955		1058	6168	983					-30	-4	Water to the second	in the second		
Vin +5	,	1138	7508	980						a- 4				
VM-555	<del>    ,   ,   ,   ,   ,   ,   ,   ,   ,  </del>	1705	6412	984	1				-30					
VM-655	W	1.222	. 7531	988	W			V	-30	- Ef				
ALCOHOLD TO THE PARTY OF THE PA			1							2.7				
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Relinquished By:	Date:	Time:	Received By:				1	I	<u> </u>	l	<u> </u>			
Relinquished By (13/13/13/1532 ///www.				Temp (°C		Work Order	r#:							
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Relinquished By:	Date:	Time:	Received By:		FF			1	2					
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