Soil Gas Sampling Field Sheet
Maine DEP

Site Name:	Nale Property
Town:	Waterville
Date:	~~5-28-17~~ 5-23-17
Sample I.D.:	SG-115
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other) Sewer?
Sampling Personnel:	Redmond Kelly
Project Manager	Wolfertz
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Ashphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	17"
Depth to Water:	N/A
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	0193 Katahdin
Flow Control I.D.:	0134
Flow control rate:	
O_2 Ambient	20.9 %
CO_2 Ambient	350 ppm
subsurface pressure/vacuum	— (+/- inches of water column)
Pre-Sample: O_2	20.9
Pre-Sample CO_2 :	3900
Pre-Sample PID:	206 ppb
Pre-Sample CH_4:	— (% Volume, %LEL, PPM)
Sample Initiation Time:	1143
Initial Vacuum:	-25.5" Hg
Sample End Time:	1154
Final Vaccum:	~~-3.5" Hg~~ in -3.0" Hg
Post Sample O_2 :	20.9 %
Post Sample CO_2:	3900 ppm

Sample Location Sketch

1045 AM screening

location GPS'd
See figure

initial screening @ 1045

~~pre summa can~~ readings

- Summa can #0193, controller #0134

Notes:

purge for sample 3 min @ 1135

Pre-sample O_2 = 20.9%
LAB CO_2 = 3900 ppm
PID = 75 ppb

post can sample O_2 = 20.9
CO_2 = 3900
PID = 65 ppb

Soil Gas Sampling Field Sheet
Maine DEP

Site Name:	Nale Property
Town:	Waterville
Date:	5-23-17
Sample I.D.:	SG-109
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other) water line
Sampling Personnel:	Chris Redmond / T Kelly
Project Manager	Ted Wolfrtz
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Asphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	33"
Depth to Water:	
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	0016
Flow Control I.D.:	0174
Flow control rate:	
O_2 Ambient	20.9%
CO_2 Ambient	350 ppm
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	14.0% / 14.1
Pre-Sample CO_2 :	>10000 / 710,000
Pre-Sample PID:	3066ppb / 3.14
Pre-Sample CH_4:	(% Volume, %LEL, PPM)
Sample Initiation Time:	1137
Initial Vacuum:	-26
Sample End Time:	1149
Final Vaccum:	0
Post Sample O_2 :	14.1
Post Sample CO_2:	710,000

0958 AM

Sample Location Sketch

location GPS'd
see figure

PID ambient: 0ppb

Post - PID 3561 ppb

Notes:

Soil Gas Sampling Field Sheet
Maine DEP

Site Name:	Nale property
Town:	Waterville
Date:	8-23-17
Sample I.D.:	SG-104
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other) sewer line
Sampling Personnel:	Chris Redmond
Project Manager	Ted Volfetta
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Ashphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	31"
Depth to Water:	unknown
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	0036 Katahdin
Flow Control I.D.:	8160
Flow control rate:	
O_2 Ambient	20.9%
CO_2 Ambient	358 ppm
subsurface pressure/vacuum	— (+/- inches of water column)
Pre-Sample: O_2	15.4%
Pre-Sample CO_2 :	710,000
Pre-Sample PID:	5000 ppb
Pre-Sample CH_4:	— (% Volume, %LEL, PPM)
Sample Initiation Time:	1128
Initial Vacuum:	-28 "Hg
Sample End Time:	1139
Final Vaccum:	-4 "Hg
Post Sample O_2 :	15.5%
Post Sample CO_2:	710,000

screen values

Sample Location Sketch

PID Ambient: 0 ppb

summa can 1119 pre sample
15.5%
>10,000
~~843 ppb~~
3411 ppb PID

~~15.5 / 710,000~~ (h

→ can #0036, controller #8160

Notes: - purge w/ peristaltic 3 min prior to readings
purge again @1119, collect readings, collect summa can sample

Soil Gas Sampling Field Sheet
Maine DEP

Site Name:	Nale Property
Town:	Waterville
Date:	5-23-17
Sample I.D.:	SG-~~103~~
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other) water line
Sampling Personnel:	Redmond Kelly
Project Manager	Wolfe Az
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Ashphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	31"
Depth to Water:	N/A
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	0018
Flow Control I.D.:	0122
Flow control rate:	
O_2 Ambient	
CO_2 Ambient	
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	19% / 19.0
Pre-Sample CO_2 :	>10,000 ppm / 710,000
Pre-Sample PID:	156 ppb / 230
Pre-Sample CH_4:	(% Volume, %LEL, PPM)
Sample Initiation Time:	1121
Initial Vacuum:	-27
Sample End Time:	1141
Final Vaccum:	-4
Post Sample O_2 :	>10,000 ~~15.8%~~
Post Sample CO_2:	9.1 ~~5000~~

~0915 AM

Sample Location Sketch

See figure location GPS'd

Notes:

Soil Gas Sampling Field Sheet
Maine DEP

Site Name:	Nale Property
Town:	Waterville
Date:	5-23-17
Sample I.D.:	SG-101
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	Chris Redmond TW Reilly
Project Manager	Ted Wolfertz
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Ashphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	3'
Depth to Water:	
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	
Flow Control I.D.:	
Flow control rate:	
O_2 Ambient	28.9 %
CO_2 Ambient	350 ppm
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	17.9 %
Pre-Sample CO_2 :	>100000 ppm
Pre-Sample PID:	81 ppb
Pre-Sample CH_4:	(% Volume, %LEL, PPM)
Sample Initiation Time:	
Initial Vacuum:	
Sample End Time:	
Final Vaccum:	
Post Sample O_2 :	
Post Sample CO_2:	

Sample Location Sketch

0845 - PID Screening

water line

see figure, locations GPS'd

Notes:

ppb RAE - ambient 0 ppb
down hole 81 ppb

LDPE tubing + pore water probe (3')
purge 3min, then take reading

Soil Gas/Subslab Soil Gas Sampling Field Sheet

Site Name:	Highlander-Nale
Town:	Waterville
Date:	5/23/17
Sample I.D.:	SG102
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	MRK/ELC
Project Manager	TW
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Ashphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	36"
Depth to Water:	
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	
Flow Control I.D.:	
Flow control rate:	
O_2 Ambient	20.6%
CO_2 Ambient	200ppm
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	20.6%
Pre-Sample CO_2 :	6450ppm
Pre-Sample PID:	155ppb
Pre-Sample CH_4:	(% Volume, %LEL, PPM)
Sample Initiation Time:	
Initial Vacuum:	
Sample End Time:	
Final Vaccum:	
Post Sample O_2 :	
Post Sample CO_2:	
Post Sample PID	

Sample Location Sketch

Notes/Obervations: If subslab sample collected and no indoor air samples collect: note foundation type, slab type, floor penetrations, and wall penetrations. If subslab sample and indoor air sample collected, note co-located indoor air sample ID.

Revison Date: September 2016

Eagle #2
PPB #6

Soil Gas/Subslab Soil Gas Sampling Field Sheet

Site Name:	
Town:	
Date:	
Sample I.D.:	SG105
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	MKR/ELC
Project Manager	TW
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Ashphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	36"
Depth to Water:	unkn
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	
Flow Control I.D.:	
Flow control rate:	
O_2 Ambient	20.9%
CO_2 Ambient	350ppm
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	20.9%
Pre-Sample CO_2 :	400
Pre-Sample PID:	0.0ppb
Pre-Sample CH_4:	(% Volume, %LEL, PPM)
Sample Initiation Time:	
Initial Vacuum:	
Sample End Time:	
Final Vaccum:	
Post Sample O_2 :	
Post Sample CO_2:	
Post Sample PID	

Sample Location Sketch

Notes/Obervations: If subslab sample collected and no indoor air samples collect: note foundation type, slab type, floor penetrations, and wall penetrations. If subslab sample and indoor air sample collected, note co-located indoor air sample ID.

Revison Date: September 2016

Eagle 1
PPB 5

Soil Gas/Subslab Soil Gas Sampling Field Sheet

Site Name:	Highlander
Town:	Waterville
Date:	5/23/17
Sample I.D.:	106
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	T.W. / E.C.
Project Manager	T.W.
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Ashphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	36"
Depth to Water:	Unknown
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	
Flow Control I.D.:	
Flow control rate:	
O_2 Ambient	20.9
CO_2 Ambient	350
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	20.6
Pre-Sample CO_2 :	8300
Pre-Sample PID:	152
Pre-Sample CH_4:	(% Volume, %LEL, PPM)
Sample Initiation Time:	
Initial Vacuum:	
Sample End Time:	
Final Vaccum:	
Post Sample O_2 :	
Post Sample CO_2:	
Post Sample PID	

Sample Location Sketch

Notes/Obervations: If subslab sample collected and no indoor air samples collect: note foundation type, slab type, floor penetrations, and wall penetrations. If subslab sample and indoor air sample collected, note co-located indoor air sample ID.

Revison Date: September 2016

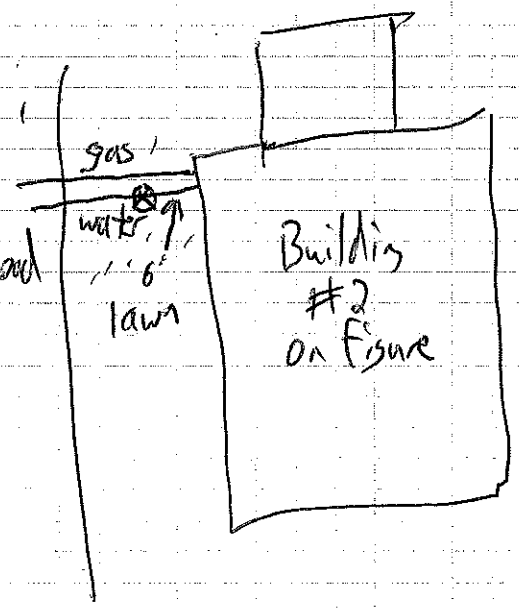
Eagle 1
PPB 5

Soil Gas Sampling Field Sheet
Maine DEP

Site Name:	~~Highland Park~~ Hillside Park
Town:	Waterville
Date:	5/23/17
Sample I.D.:	SG-107
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other) Waterline
Sampling Personnel:	Redmond Kelly
Project Manager	Wolfeatz
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Ashphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	3'
Depth to Water:	
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	
Flow Control I.D.:	
Flow control rate:	
O_2 Ambient	20.9
CO_2 Ambient	350
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	20.4
Pre-Sample CO_2 :	710,000
Pre-Sample PID:	12 ppb
Pre-Sample CH_4:	(% Volume, %LEL, PPM)
Sample Initiation Time:	
Initial Vacuum:	
Sample End Time:	
Final Vaccum:	
Post Sample O_2 :	
Post Sample CO_2:	

Sample Location Sketch

locations GPS'd



Notes: Water

Soil Gas/Subslab Soil Gas Sampling Field Sheet

Site Name:	Highlander
Town:	Waterville
Date:	5/23/17
Sample I.D.:	108
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	T.W. / E.C
Project Manager	T.W
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Ashphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	
Depth to Water:	
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	
Flow Control I.D.:	
Flow control rate:	
O_2 Ambient	20.9%
CO_2 Ambient	350ppb
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	20.9%
Pre-Sample CO_2 :	3000ppm
Pre-Sample PID:	62 ppb
Pre-Sample CH_4:	(% Volume, %LEL, PPM)
Sample Initiation Time:	
Initial Vacuum:	
Sample End Time:	
Final Vaccum:	
Post Sample O_2 :	
Post Sample CO_2:	
Post Sample PID	

Sample Location Sketch

Notes/Obervations: If subslab sample collected and no indoor air samples collect: note foundation type, slab type, floor penetrations, and wall penetrations. If subslab sample and indoor air sample collected, note co-located indoor air sample ID.

Revison Date: September 2016

Soil Gas/Subslab Soil Gas Sampling Field Sheet

Site Name:	Highlander
Town:	Waterville
Date:	5/23/17
Sample I.D.:	SG110
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other)
Sampling Personnel:	TW / ELC
Project Manager	TW
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Ashphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	~~3~~ 22"
Depth to Water:	Unkn
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	
Flow Control I.D.:	
Flow control rate:	
O_2 Ambient	20.9
CO_2 Ambient	350
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	20.9
Pre-Sample CO_2 :	1950
Pre-Sample PID:	106
Pre-Sample CH_4:	(% Volume, %LEL, PPM)
Sample Initiation Time:	
Initial Vacuum:	
Sample End Time:	
Final Vaccum:	
Post Sample O_2 :	
Post Sample CO_2:	
Post Sample PID	

Sample Location Sketch

Notes/Obervations: If subslab sample collected and no indoor air samples collect: note foundation type, slab type, floor penetrations, and wall penetrations. If subslab sample and indoor air sample collected, note co-located indoor air sample ID.

Revison Date: September 2016

Eagle
PPB #6

Soil Gas Sampling Field Sheet
Maine DEP

Site Name:	Nale Property
Town:	Waterville
Date:	5/23/17
Sample I.D.:	SG-1H
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other) Sewer?
Sampling Personnel:	Redmond Kelley
Project Manager	Wolfeltz
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Ashphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	26"
Depth to Water:	
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	
Flow Control I.D.:	
Flow control rate:	
O_2 Ambient	
CO_2 Ambient	
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	17.5
Pre-Sample CO_2 :	>10,000
Pre-Sample PID:	80 ppb
Pre-Sample CH_4:	(% Volume, %LEL, PPM)
Sample Initiation Time:	
Initial Vacuum:	
Sample End Time:	
Final Vaccum:	
Post Sample O_2 :	
Post Sample CO_2:	

Sample Location Sketch

1012 AM Screening w/PID

1012 AM

Notes: Sewer

Soil Gas/Subslab Soil Gas Sampling Field Sheet

Site Name:	Highlander-Nole
Town:	Waterville
Date:	5/23/17
Sample I.D.:	SG112
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other) water line
Sampling Personnel:	MRK / ELC
Project Manager	TW
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Ashphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	11"
Depth to Water:	unkn
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	
Flow Control I.D.:	
Flow control rate:	
O_2 Ambient	20.9%
CO_2 Ambient	350ppm
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	19.4%
Pre-Sample CO_2 :	8000 ppm
Pre-Sample PID:	145ppb
Pre-Sample CH_4:	(% Volume, %LEL, PPM)
Sample Initiation Time:	
Initial Vacuum:	
Sample End Time:	
Final Vaccum:	
Post Sample O_2 :	
Post Sample CO_2:	
Post Sample PID	

Sample Location Sketch

Notes/Obervations: If subslab sample collected and no indoor air samples collect: note foundation type, slab type, floor penetrations, and wall penetrations. If subslab sample and indoor air sample collected, note co-located indoor air sample ID.

Revison Date: September 2016

Soil Gas Sampling Field Sheet
Maine DEP

Site Name:	Nale Property
Town:	Wakefield
Date:	5-23-17
Sample I.D.:	SG-113
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other) (Water)
Sampling Personnel:	Redmond Kelly
Project Manager	Wolfertz
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Ashphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	11"
Depth to Water:	
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	
Flow Control I.D.:	
Flow control rate:	
O_2 Ambient	20.9
CO_2 Ambient	350
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	19.7
Pre-Sample CO_2 :	4300
Pre-Sample PID:	610
Pre-Sample CH_4:	(% Volume, %LEL, PPM)
Sample Initiation Time:	
Initial Vacuum:	
Sample End Time:	
Final Vaccum:	
Post Sample O_2 :	
Post Sample CO_2:	

Sample Location Sketch

Notes:

Soil Gas/Subslab Soil Gas Sampling Field Sheet

Site Name:	Highlander
Town:	Waterville
Date:	5/23/17
Sample I.D.:	SG114
Sampling Purpose	(Source) (Utility) (Mitigation) (Receptor) (Other) Water
Sampling Personnel:	CR
Project Manager	TW
Collection Device:	(Summa Can) (Tedlar Bag)
Sample Penetration Location:	(Ashphalt) (Concrete) (Soil)
Soil Type:	(Fill) (Till) (Sand & Gravel) (Glacial Marine)
Sample Depth:	35"
Depth to Water:	Unkn
Suspected COCs:	(Petroleum) (Solvents)
Cannister I.D.:	
Flow Control I.D.:	
Flow control rate:	
O_2 Ambient	20.9
CO_2 Ambient	350
subsurface pressure/vacuum	(+/- inches of water column)
Pre-Sample: O_2	19.7
Pre-Sample CO_2 :	10000
Pre-Sample PID:	180
Pre-Sample CH_4:	(% Volume, %LEL, PPM)
Sample Initiation Time:	
Initial Vacuum:	
Sample End Time:	
Final Vaccum:	
Post Sample O_2 :	
Post Sample CO_2:	
Post Sample PID	

Sample Location Sketch

Notes/Obervations: If subslab sample collected and no indoor air samples collect: note foundation type, slab type, floor penetrations, and wall penetrations. If subslab sample and indoor air sample collected, note co-located indoor air sample ID.

Revison Date: September 2016