

Passive Soil Gas Survey – Analytical Report Date: December 7, 2011

EnviroGroup Limited 26 Century Hill Drive Latham, NY 12110 Attn: Mr. Eric Lovenduski

Beacon Project No. 2432

| Project Reference: | Ithaca Sites 35 and 43, Ithaca, NY |
|-------------------------|------------------------------------|
| Samplers Installed: | November 1 and 2, 2011 |
| Samplers Retrieved: | November 15, 2011 |
| Samples Received: | November 17, 2011 |
| Analyses Completed: | November 20, 2011 |
| Laboratory Data Issued: | November 23, 2011 |

EPA Method 8260C (Modified)

All samples were successfully analyzed using thermal desorption-gas chromatography/mass spectrometry (TD-GC/MS) instrumentation to target a custom compound list following EPA Method 8260C. Laboratory results are reported in nanograms (ng) of specific compound per sample.

Laboratory QA/QC procedures included internal standards, surrogates, and blanks based on EPA Method 8260C. Analyses and reporting were in accordance with BEACON's Quality Assurance Project Plan.

Reporting limits

The reporting limit (RL) for each compound is equal to the limit of quantitation (LOQ), which is 10 nanograms (ng), and the limit of detection (LOD) is 5 ng. **Table 1** provides survey results in nanograms per sampler by sample-point number and compound name; measurements below the LOQ but above the LOD are flagged with a "J." The LOQs (<10 ng) represent a baseline above which results exceed laboratory-determined limits of precision and accuracy. Field sample measurements above the upper calibration standard are estimated; however, these values are reported without qualifiers because all reported measurements are relative to each other and are appropriate to meet the survey objectives of locating source areas and vapor intrusion pathways and defining the lateral extent of contamination.

Calibration Verification

The continuing calibration verification (CCV) values for the system check compounds were all within $\pm 20\%$ of the true values as defined by the initial five-point calibration and met the requirements specified in Beacon Environmental's Quality Assurance Project Plan.

Method Blanks/Trip Blanks

Laboratory method blanks are run with each sample batch to identify contamination present in the laboratory. If contamination is detected on a method blank, measurements of identical compounds in that sample batch are flagged in the laboratory report. The laboratory method blank analyzed in connection with the present samples revealed no contamination.

The trip blank is a sampler prepared, transported, and analyzed with other samples but intentionally not exposed. Any target compounds identified on the trip blanks are reported in the laboratory data. The analyses of the trip blanks (labeled Trip-1 and Trip-2 in **Table 1**) reported none of the targeted compounds.

Passive Soil-Gas Survey Notes

When sample locations are covered with or near the edge of an artificial surface (*e.g.*, asphalt or concrete), the concentrations of compounds in soil gas are often significantly higher than the concentrations would be if the surfacing were not present. Thus, a reading taken below or near an impermeable surface is much higher than it would be in the absence of such a cap. Therefore, the sample location conditions should be evaluated when comparing results between locations.

Survey findings are exclusive to this project and when the spatial relationships are compared with results of other BEACON Surveys it is necessary to incorporate survey and site information from both investigations (*e.g.*, depth to sources, soil types, porosity, soil moisture, presence of impervious surfacing, sample collection times). BEACON recommends the guidelines stated in **Attachment 1** to establish a relationship between reported soil-gas measurements and actual subsurface contaminant concentrations, which will indicate those measurements representing significant subsurface contamination.

BEACON's passive soil-gas samplers are prepared with two sets of adsorbent cartridges for subsequent duplicate or confirmatory sample analysis. At ENVIROGROUP's request, duplicate analysis was performed for two (2) samples. The duplicate samples were designated with "DUP" following the sample number. When comparing quantitative results, a duplicate correspondence should be considered when the relative percent difference (RPD) between the two samples is less than or equal to 100%. For the purpose of calculating correspondences, all non-detections should be assigned, as a baseline value, the CRQL for the specific contaminant. Based on these assumptions, a 100% correlation was found between the duplicate samples and their base samples.

Project Details

Samplers were deployed on November 1 and 2, 2011, and were retrieved on November 15, 2011. Attachment 2 describes the field procedures used. Individual deployment and retrieval times will be found in the Field Deployment Report (Attachment 3).

Seventy-three (73) field samples, two (2) field sample duplicates, and two (2) trip blanks were received by BEACON on November 17, 2011. Adsorbent cartridges from the passive samplers were thermally desorbed, then analyzed using gas chromatography/mass spectrometry (GC/MS) equipment, in accordance with EPA Method 8260C (Modified), as described in **Attachment 4**. BEACON's laboratory analyzed each sample for the targeted compounds; analyses were completed on November 20, 2011. Following a laboratory review, results were provided to ENVIROGROUP on November 23, 2011. The Chain-of-Custody form, which was shipped with the samples for this survey, is supplied as **Attachment 5**.

All field sample locations are shown on **Figure 1**. In this investigation, samples were collected in two distinct areas of concern, identified as Site 35 and Site 43. Maps with the prefix "2-" show results for the samples collected at Site 35, while maps with the prefix "3-" show results for the samples collected at Site 43.

The following tables lists frequency of detections based on the number of field samples analyzed, the reporting limit, and the maximum value for each mapped compound. The table also includes the transformation and interpolation method for the compound distribution maps provided.

| Site 35 | | | | | | | | | | |
|--------------------------------|------------------------|-----------------|-------------------|--|--|--|--|--|--|--|
| Figure No. | 2-1 | 2-2 | 2-3 | | | | | | | |
| Compound | cis-1,2-Dichloroethene | Trichloroethene | Tetrachloroethene | | | | | | | |
| Frequency | 8 | 19 | 25 | | | | | | | |
| Reporting Limit (nanograms) | 10 | 10 | 10 | | | | | | | |
| Max Value (nanograms) | 22 | 197 | 661 | | | | | | | |
| Transformation Method | Log | Log | Log | | | | | | | |
| Interpolation Method | Kriging | Kriging | Kriging | | | | | | | |

Site 43

| Figure No. | 3-1 | 3-2 | 3-3 |
|--------------------------------|------------------------|-----------------|-------------------|
| Compound | cis-1,2-Dichloroethene | Trichloroethene | Tetrachloroethene |
| Frequency | 0 | 10 | 8 |
| Reporting Limit (nanograms) | 10 | 10 | 10 |
| Max Value (nanograms) | <10 | 46 | 80 |
| Transformation Method | NA | Log | Log |
| Interpolation Method | NA | Kriging | Kriging |

Attachments:

- -1- Applying Results From Passive Soil-Gas Surveys
- -2- Field Procedures
- -3- Field Deployment Report
- -4- Laboratory Procedures
- -5- Chain-of-Custody Form

ALL DATA MEET REQUIREMENTS AS SPECIFIED IN THE BEACON ENVIRONMENTAL SERVICES, INC. QUALITY ASSURANCE PROJECT PLAN. RELEASE OF THE DATA CONTAINED IN THIS DATA PACKAGE HAS BEEN AUTHORIZED BY THE LABORATORY DIRECTOR OR HIS SIGNEE, AS VERIFIED BY THE FOLLOWING SIGNATURE:

pornley

Steven C. Thornley Laboratory Director

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| (| Client Sample ID: | mb111118a | Trip-1 | Trip-2 | PSV-35-A1 | PSV-35-A2 | PSV-35-A3 |
|--------------------------|-------------------|------------|------------|------------|------------|------------|------------|
| | Project Number: | | 2432 | 2432 | 2432 | 2432 | 2432 |
| | Lab File ID: | A11111813 | A11111815 | A11111816 | A11111817 | A11111818 | A11111819 |
| | Received Date: | | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 |
| | Analysis Date: | 11/18/2011 | 11/18/2011 | 11/18/2011 | 11/18/2011 | 11/18/2011 | 11/18/2011 |
| | Analysis Time: | 16:16 | 17:02 | 17:25 | 17:48 | 18:10 | 18:33 |
| | Units: | ng | ng | ng | ng | ng | ng |
| COMPOUNDS | | | | | | | _ |
| Vinyl Chloride | | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| trans-1,2-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| cis-1,2-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| Trichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| Tetrachloroethene | | <10 | <10 | <10 | 15 | 8 J | 5 J |

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| | Client Sample ID: | PSV-35-A4 | PSV-35-A5 | PSV-35-A7 | PSV-35-B1 | PSV-35-B2 | PSV-35-B3 |
|--------------------------|-------------------|------------|------------|------------|------------|------------|------------|
| | Project Number: | 2432 | 2432 | 2432 | 2432 | 2432 | 2432 |
| | Lab File ID: | A11111820 | A11111821 | A11111822 | A11111823 | A11111824 | A11111825 |
| | Received Date: | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 |
| | Analysis Date: | 11/18/2011 | 11/18/2011 | 11/18/2011 | 11/18/2011 | 11/18/2011 | 11/18/2011 |
| | Analysis Time: | 18:55 | 19:18 | 19:40 | 20:03 | 20:25 | 20:48 |
| | Units: | ng | ng | ng | ng | ng | ng |
| COMPOUNDS | | | | | | | |
| Vinyl Chloride | | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| trans-1,2-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| cis-1,2-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| Trichloroethene | | <10 | <10 | <10 | <10 | <10 | 5 J |
| Tetrachloroethene | | <10 | <10 | <10 | 6 J | <10 | 15 |

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| (| Client Sample ID: Project Number: Lab File ID: | PSV-35-B4 2432 A11111826 | PSV-35-B5 2432 A11111827 | PSV-35-B6 2432 A11111828 | PSV-35-B7 2432 A11111829 | PSV-35-C1 2432 A11111830 | PSV-35-C2 2432 A11111831 |
|--------------------------|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Received Date: | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 |
| | Analysis Date: | 11/18/2011 | 11/18/2011 | 11/18/2011 | 11/18/2011 | 11/18/2011 | 11/18/2011 |
| | Analysis Time: | 21:11 | 21:34 | 21:56 | 22:18 | 22:41 | 23:04 |
| | Units: | ng | ng | ng | ng | ng | ng |
| COMPOUNDS | | | | | | | |
| Vinyl Chloride | | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| trans-1,2-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| cis-1,2-Dichloroethene | | <10 | <10 | <10 | 13 | <10 | <10 |
| Trichloroethene | | <10 | <10 | 7 J | 149 | 53 | <10 |
| Tetrachloroethene | | 8 J | <10 | 7 J | 84 | 234 | <10 |

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| (| Client Sample ID: | PSV-35-C3 | PSV-35-C4 | PSV-35-C5 F | PSV-35-C5 DUP | PSV-35-C7 | PSV-35-D1 |
|--------------------------|-------------------|------------|------------|-------------|---------------|------------|------------|
| | Project Number: | 2432 | 2432 | 2432 | 2432 | 2432 | 2432 |
| | Lab File ID: | A11111832 | A11111833 | A11111834 | A11111835 | A11111836 | A11111837 |
| | Received Date: | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 |
| | Analysis Date: | 11/18/2011 | 11/18/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 |
| | Analysis Time: | 23:26 | 23:49 | 0:12 | 0:34 | 0:57 | 1:20 |
| | Units: | ng | ng | ng | ng | ng | ng |
| COMPOUNDS | | | | | | | |
| Vinyl Chloride | | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| trans-1,2-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| cis-1,2-Dichloroethene | | <10 | <10 | 22 | 34 | <10 | <10 |
| Trichloroethene | | <10 | 6 J | 167 | 309 | 26 | 13 |
| Tetrachloroethene | | <10 | 9 J | 194 | 141 | 93 | 185 |

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| (| Client Sample ID: | PSV-35-D2 | PSV-35-D3 | PSV-35-D4 | PSV-35-D5 | PSV-35-D7 | PSV-35-E1 |
|--------------------------|-------------------|------------|------------|------------|------------|------------|------------|
| | Project Number: | 2432 | 2432 | 2432 | 2432 | 2432 | 2432 |
| | Lab File ID: | A11111838 | A11111839 | A11111840 | A11111841 | A11111842 | A11111843 |
| | Received Date: | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 |
| | Analysis Date: | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 |
| | Analysis Time: | 1:42 | 2:05 | 2:27 | 2:50 | 3:13 | 3:35 |
| | Units: | ng | ng | ng | ng | ng | ng |
| COMPOUNDS | | | | | | | |
| Vinyl Chloride | | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| trans-1,2-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| cis-1,2-Dichloroethene | | <10 | 15 | <10 | 13 | <10 | 6 J |
| Trichloroethene | | 100 | 197 | 18 | 149 | 43 | 62 |
| Tetrachloroethene | | 481 | 644 | 149 | 423 | 95 | 210 |

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| (| Client Sample ID: | PSV-35-E2 | PSV-35-E3 | PSV-35-E4 | PSV-35-E5 | PSV-35-E7 | PSV-35-F5 |
|--------------------------|-------------------|------------|------------|------------|------------|------------|------------|
| | Project Number: | 2432 | 2432 | 2432 | 2432 | 2432 | 2432 |
| | Lab File ID: | A11111844 | A11111845 | A11111846 | A11111847 | A11111848 | A11111849 |
| | Received Date: | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 |
| | Analysis Date: | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 |
| | Analysis Time: | 3:58 | 4:21 | 4:43 | 5:06 | 5:28 | 5:51 |
| | Units: | ng | ng | ng | ng | ng | ng |
| COMPOUNDS | | | | | | | _ |
| Vinyl Chloride | | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| trans-1,2-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| cis-1,2-Dichloroethene | | <10 | <10 | 8 J | 10 | <10 | 9 J |
| Trichloroethene | | 51 | 59 | 166 | 128 | <10 | 119 |
| Tetrachloroethene | | 297 | 182 | 661 | 387 | 21 | 373 |

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| | Client Sample ID: | mb111118a1 | PSV-43-A1 | PSV-43-A1D | PSV-43-A2 | PSV-43-A2D | PSV-43-A8 |
|--------------------------|-------------------|------------|------------|------------|------------|------------|------------|
| | Project Number: | | 2432 | 2432 | 2432 | 2432 | 2432 |
| | Lab File ID: | A11111857 | A11111859 | A11111860 | A11111861 | A11111862 | A11111863 |
| | Received Date: | | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 |
| | Analysis Date: | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 |
| | Analysis Time: | 8:54 | 9:40 | 10:02 | 10:25 | 10:47 | 11:10 |
| | Units: | ng | ng | ng | ng | ng | ng |
| COMPOUNDS | | | | | | | |
| Vinyl Chloride | | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| trans-1,2-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| cis-1,2-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| Trichloroethene | | <10 | <10 | <10 | <10 | <10 | 33 |
| Tetrachloroethene | | <10 | <10 | <10 | <10 | <10 | 80 |

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| (| Client Sample ID: | PSV-43-A9 | PSV-43-B1 | PSV-43-B3 I | PSV-43-B3 DUP | PSV-43-B4 | PSV-43-B5 |
|--------------------------|-------------------|------------|------------|-------------|---------------|------------|------------|
| | Project Number: | 2432 | 2432 | 2432 | 2432 | 2432 | 2432 |
| | Lab File ID: | A11111864 | A11111865 | A11111866 | A11111867 | A11111868 | A11111869 |
| | Received Date: | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 |
| | Analysis Date: | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 |
| | Analysis Time: | 11:32 | 11:55 | 12:18 | 12:40 | 13:03 | 13:26 |
| | Units: | ng | ng | ng | ng | ng | ng |
| COMPOUNDS | | | | | | | |
| Vinyl Chloride | | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| trans-1,2-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| cis-1,2-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| Trichloroethene | | <10 | <10 | 10 J | 7 J | <10 | 9 J |
| Tetrachloroethene | | 11 | 12 | 8 J | 10 | <10 | 31 |

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| | Client Sample ID: | PSV-43-B6 | PSV-43-B8 | PSV-43-B9 | PSV-43-B10 | PSV-43-B11 | PSV-43-C1 |
|--------------------------|-------------------|------------|------------|------------|------------|------------|------------|
| | Project Number: | 2432 | 2432 | 2432 | 2432 | 2432 | 2432 |
| | Lab File ID: | A11111870 | A11111871 | A11111872 | A11111873 | A11111874 | A11111875 |
| | Received Date: | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 |
| | Analysis Date: | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 |
| | Analysis Time: | 13:48 | 14:11 | 14:34 | 14:56 | 15:19 | 15:42 |
| | Units: | ng | ng | ng | ng | ng | ng |
| COMPOUNDS | | | | | | | |
| Vinyl Chloride | | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| trans-1,2-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| cis-1,2-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| Trichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| Tetrachloroethene | | <10 | 7 J | 6 J | <10 | <10 | <10 |

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| (| Client Sample ID: | PSV-43-C2 | PSV-43-C8 | PSV-43-C8D | PSV-43-C10 | PSV-43-C10D | PSV-43-C11 |
|--------------------------|-------------------|------------|------------|------------|------------|-------------|------------|
| | Project Number: | 2432 | 2432 | 2432 | 2432 | 2432 | 2432 |
| | Lab File ID: | A11111876 | A11111877 | A11111878 | A11111879 | A11111880 | A11111881 |
| | Received Date: | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 |
| | Analysis Date: | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 |
| | Analysis Time: | 16:04 | 16:27 | 16:50 | 17:13 | 17:35 | 17:58 |
| | Units: | ng | ng | ng | ng | ng | ng |
| COMPOUNDS | | | | | | | |
| Vinyl Chloride | | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| trans-1,2-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| cis-1,2-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| Trichloroethene | | <10 | <10 | <10 | <10 | 5 J | <10 |
| Tetrachloroethene | | 5 J | <10 | <10 | <10 | <10 | <10 |

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| | Client Sample ID: | PSV-43-C12 | PSV-43-C13 | PSV-43-C14 | PSV-43-C15 | PSV-43-D1 | PSV-43-D2 |
|--------------------------|-------------------|------------|------------|------------|------------|------------|------------|
| | Project Number: | 2432 | 2432 | 2432 | 2432 | 2432 | 2432 |
| | Lab File ID: | A11111882 | A11111883 | A11111884 | A11111885 | A11111886 | A11111887 |
| | Received Date: | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 |
| | Analysis Date: | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 |
| | Analysis Time: | 18:21 | 18:44 | 19:06 | 19:29 | 19:51 | 20:14 |
| | Units: | ng | ng | ng | ng | ng | ng |
| COMPOUNDS | | | | | | | |
| Vinyl Chloride | | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| trans-1,2-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| cis-1,2-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| Trichloroethene | | <10 | 8 J | <10 | <10 | <10 | <10 |
| Tetrachloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |

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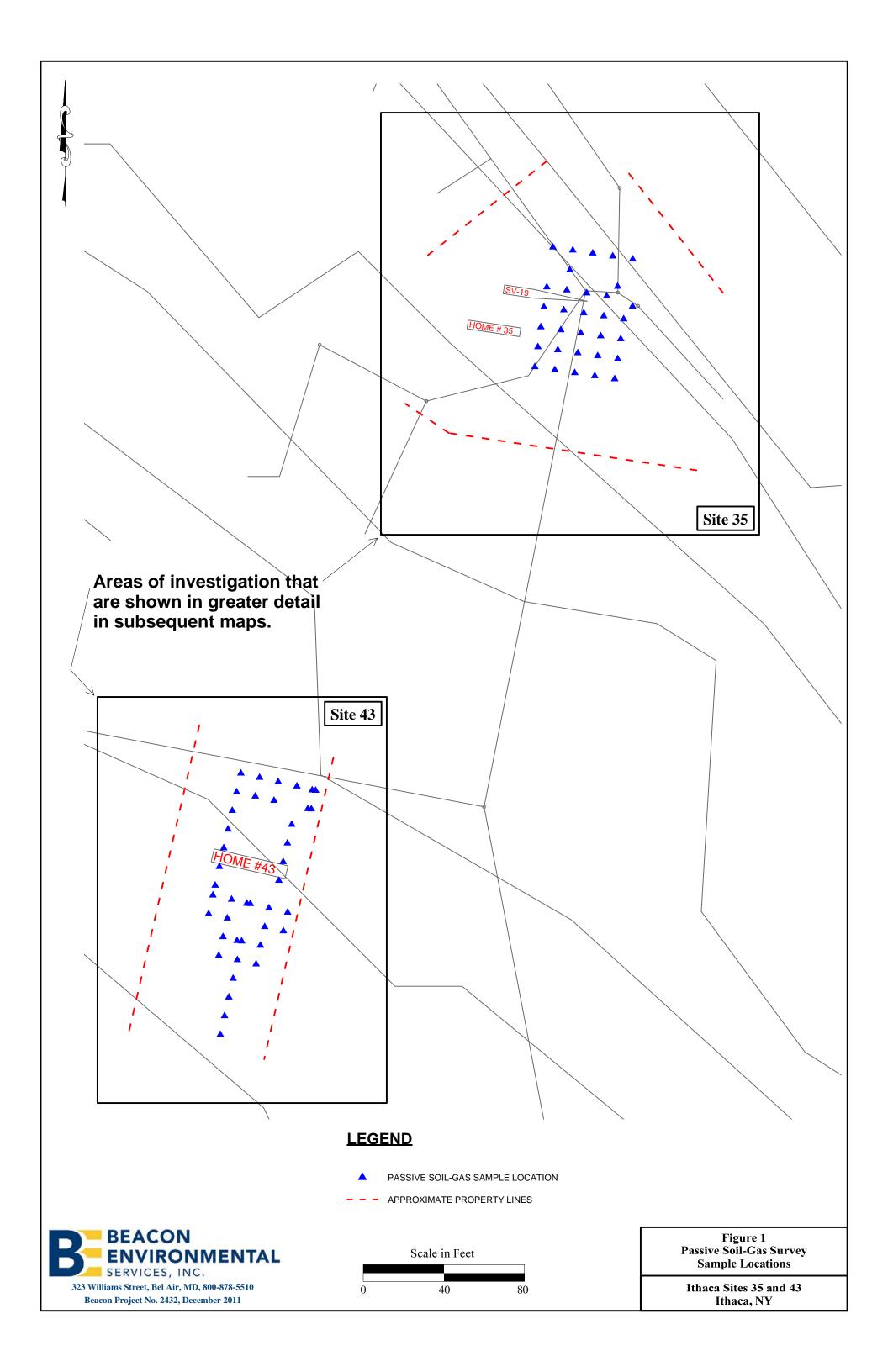
| | Client Sample ID: | PSV-43-D8 | PSV-43-D9 | PSV-43-D10 | PSV-43-D11 | PSV-43-E1 | PSV-43-E2 |
|--------------------------|-------------------|------------|------------|------------|------------|------------|------------|
| | Project Number: | 2432 | 2432 | 2432 | 2432 | 2432 | 2432 |
| | Lab File ID: | A11111888 | A11111889 | A11111890 | A11111891 | A11111892 | A11111893 |
| | Received Date: | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 |
| | Analysis Date: | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/19/2011 |
| | Analysis Time: | 20:36 | 20:59 | 21:22 | 21:44 | 22:07 | 22:30 |
| | Units: | ng | ng | ng | ng | ng | ng |
| COMPOUNDS | | | | | | | |
| Vinyl Chloride | | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| trans-1,2-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| cis-1,2-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| Trichloroethene | | <10 | 46 | <10 | <10 | <10 | <10 |
| Tetrachloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |

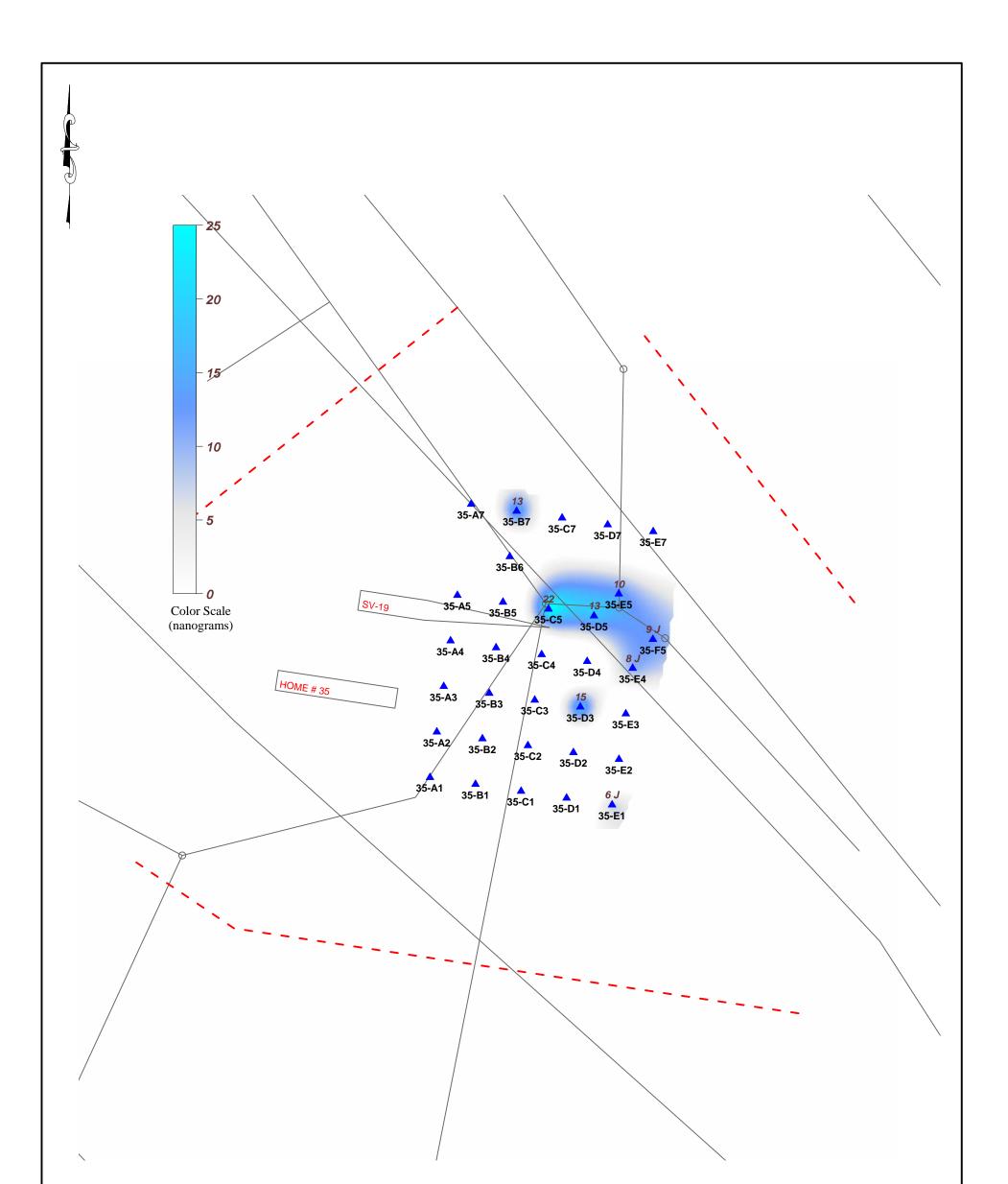
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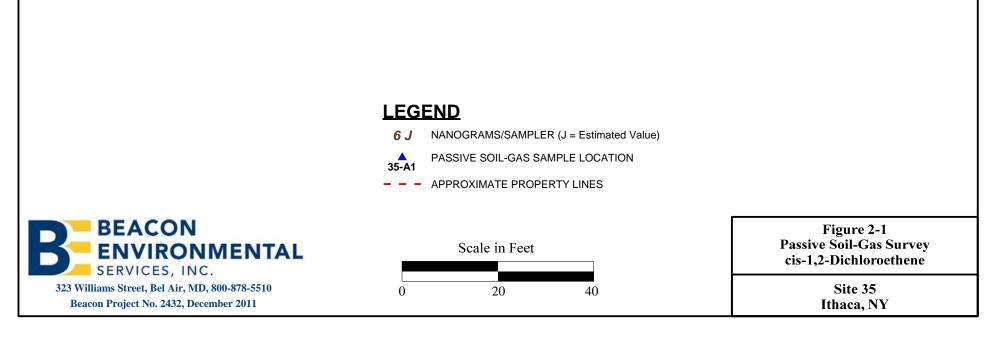
| | Client Sample ID: | PSV-43-E3 | PSV-43-E4 | PSV-43-E5 | PSV-43-E6 | PSV-43-E7 | PSV-43-E8 |
|--------------------------|-------------------|------------|------------|------------|------------|------------|------------|
| | Project Number: | 2432 | 2432 | 2432 | 2432 | 2432 | 2432 |
| | Lab File ID: | A11111894 | A11111895 | A11111896 | A11111897 | A11111898 | A11111899 |
| | Received Date: | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 | 11/17/2011 |
| | Analysis Date: | 11/19/2011 | 11/19/2011 | 11/19/2011 | 11/20/2011 | 11/20/2011 | 11/20/2011 |
| | Analysis Time: | 22:52 | 23:15 | 23:38 | 0:00 | 0:23 | 0:46 |
| | Units: | ng | ng | ng | ng | ng | ng |
| COMPOUNDS | | | | | | | |
| Vinyl Chloride | | <10 | <10 | <10 | <10 | <10 | <10 |
| 1,1-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| trans-1,2-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| cis-1,2-Dichloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |
| Trichloroethene | | <10 | <10 | <10 | 6 J | 24 | 6 J |
| Tetrachloroethene | | <10 | <10 | <10 | <10 | <10 | <10 |

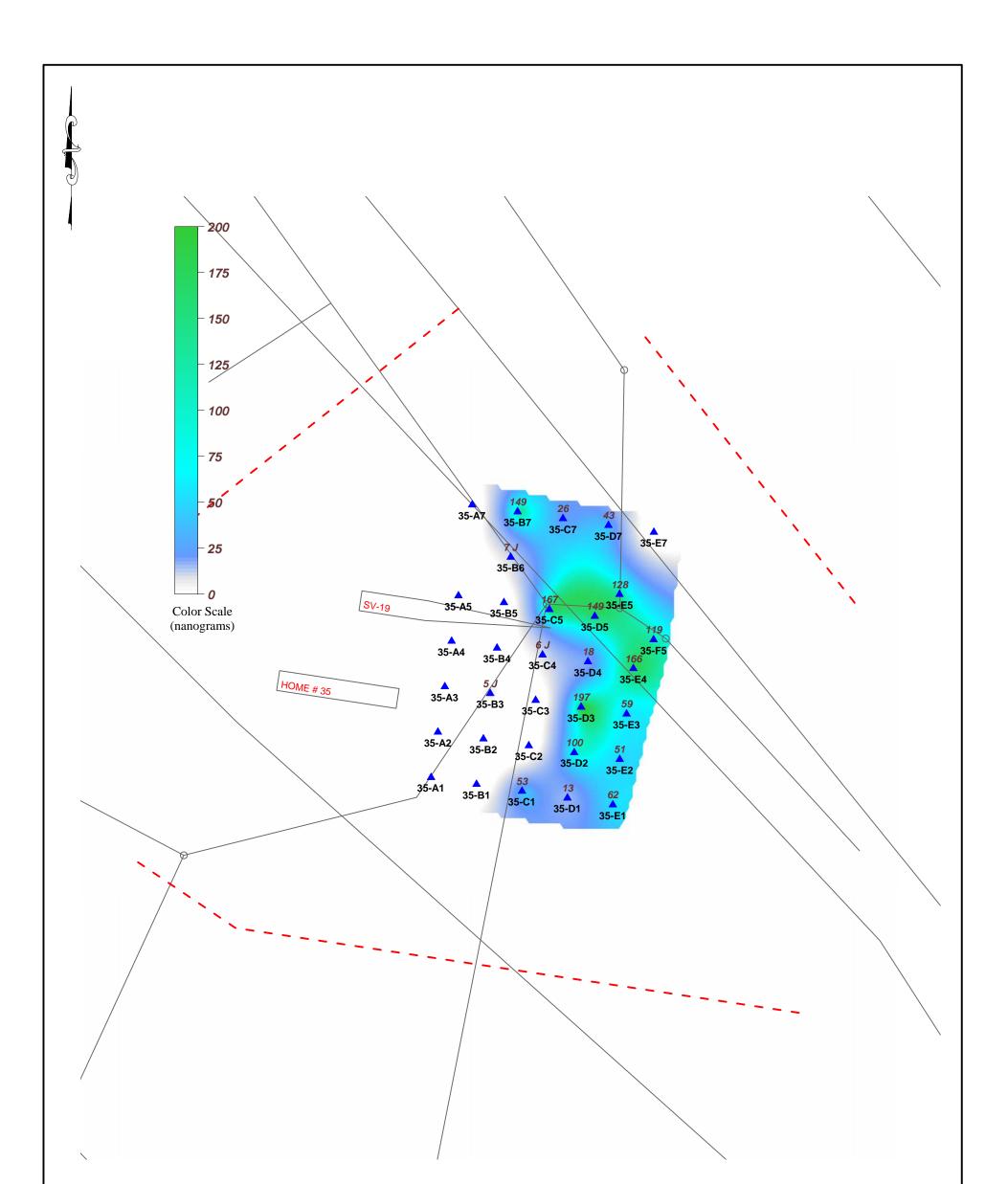
Beacon Environmental Services, Inc. 323 Williams Street Bel Air, MD 21014 USA

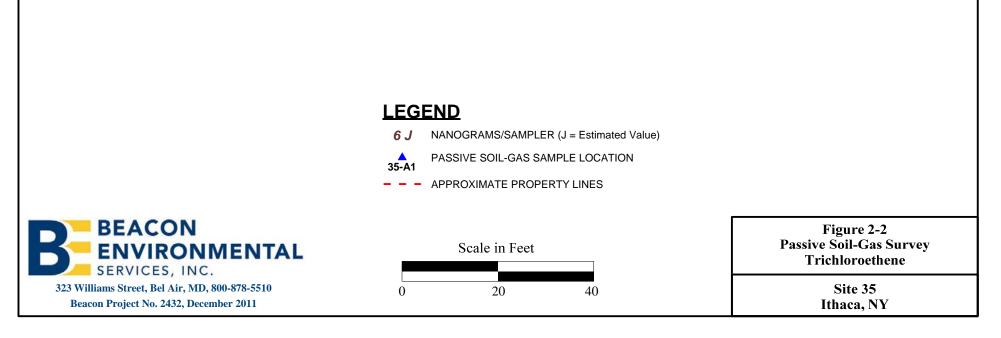
| | Client Sample ID: | PSV-43-E9 |
|--------------------------|-------------------|------------|
| | Project Number: | 2432 |
| | Lab File ID: | A11111900 |
| | Received Date: | 11/17/2011 |
| | Analysis Date: | 11/20/2011 |
| | Analysis Time: | 1:09 |
| | Units: | ng |
| COMPOUNDS | | |
| Vinyl Chloride | | <10 |
| 1,1-Dichloroethene | | <10 |
| trans-1,2-Dichloroethene | | <10 |
| cis-1,2-Dichloroethene | | <10 |
| Trichloroethene | | 32 |
| Tetrachloroethene | | <10 |

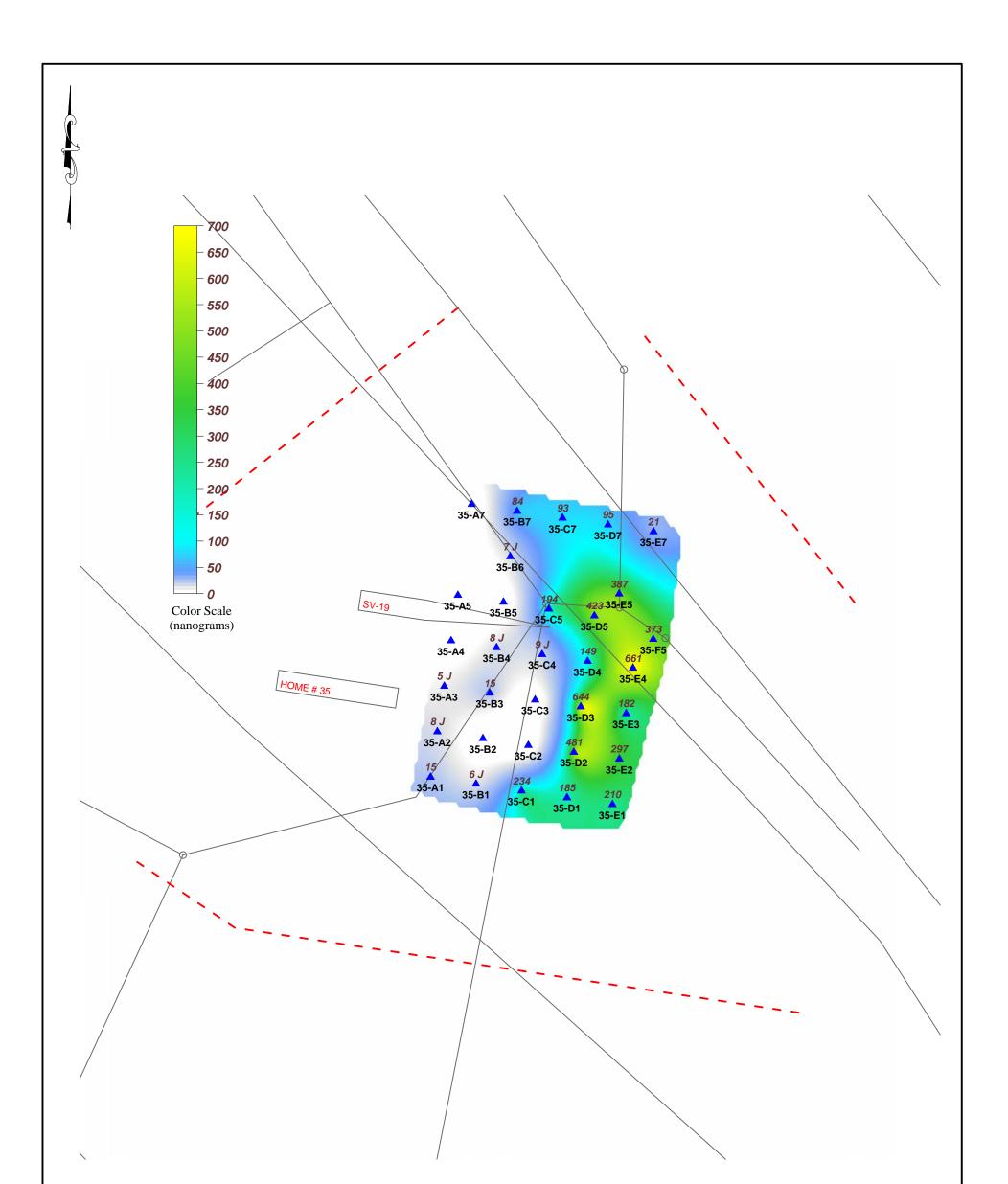


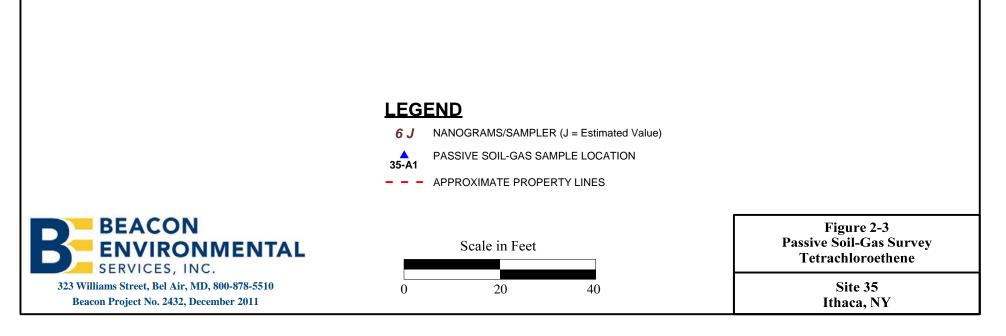


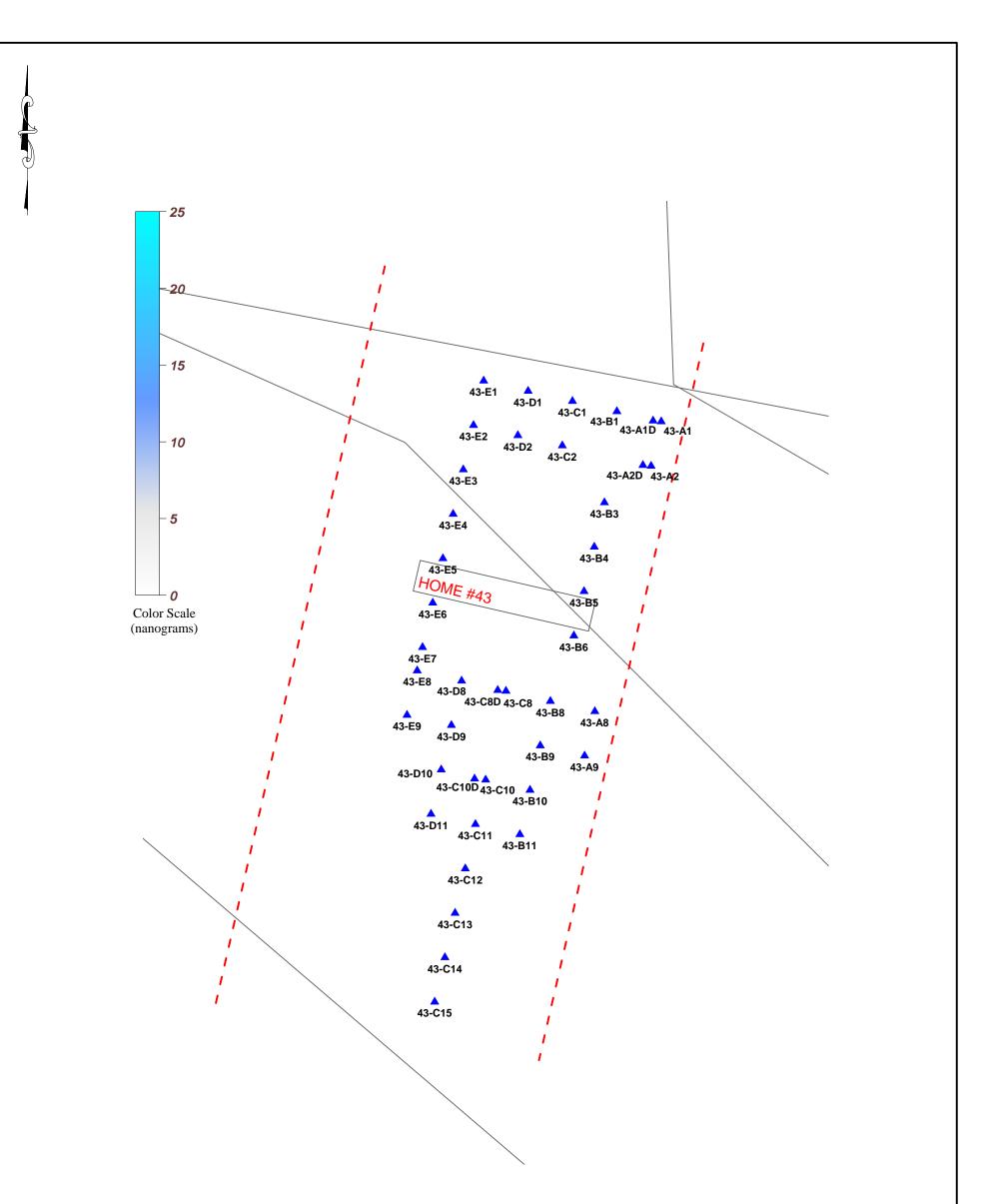


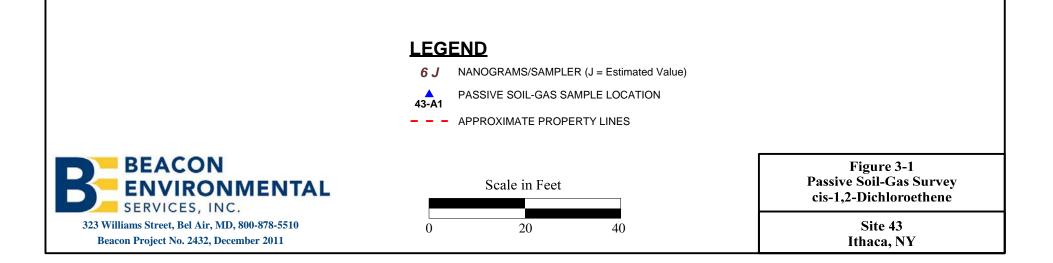


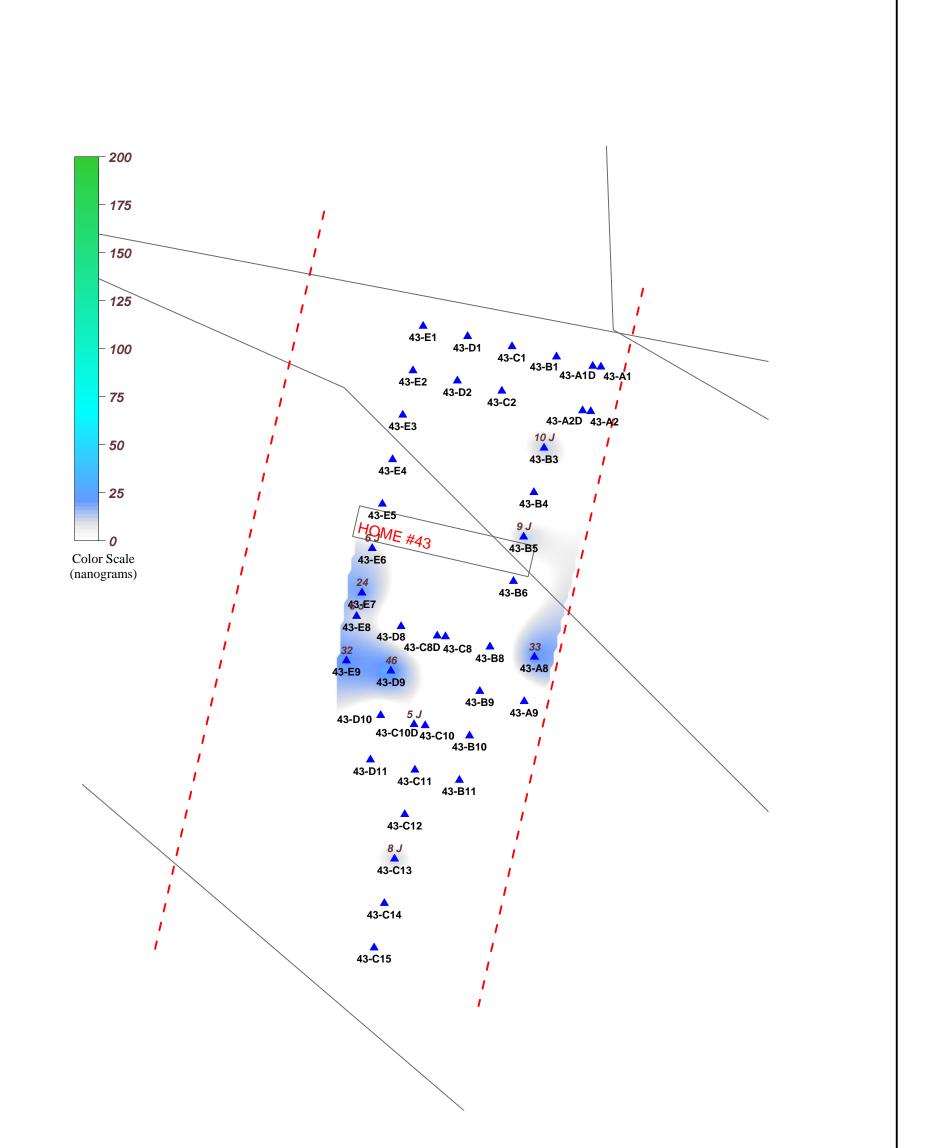


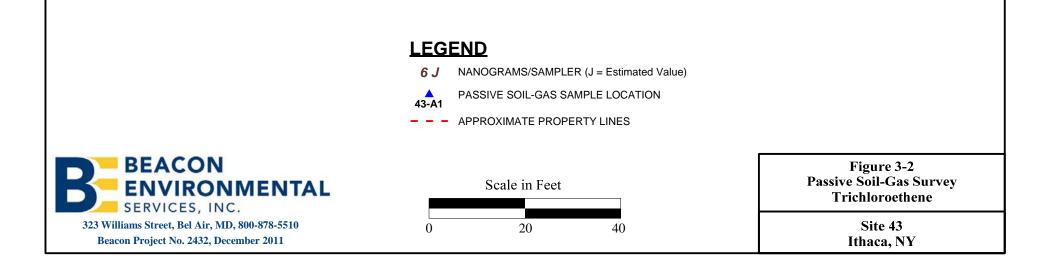


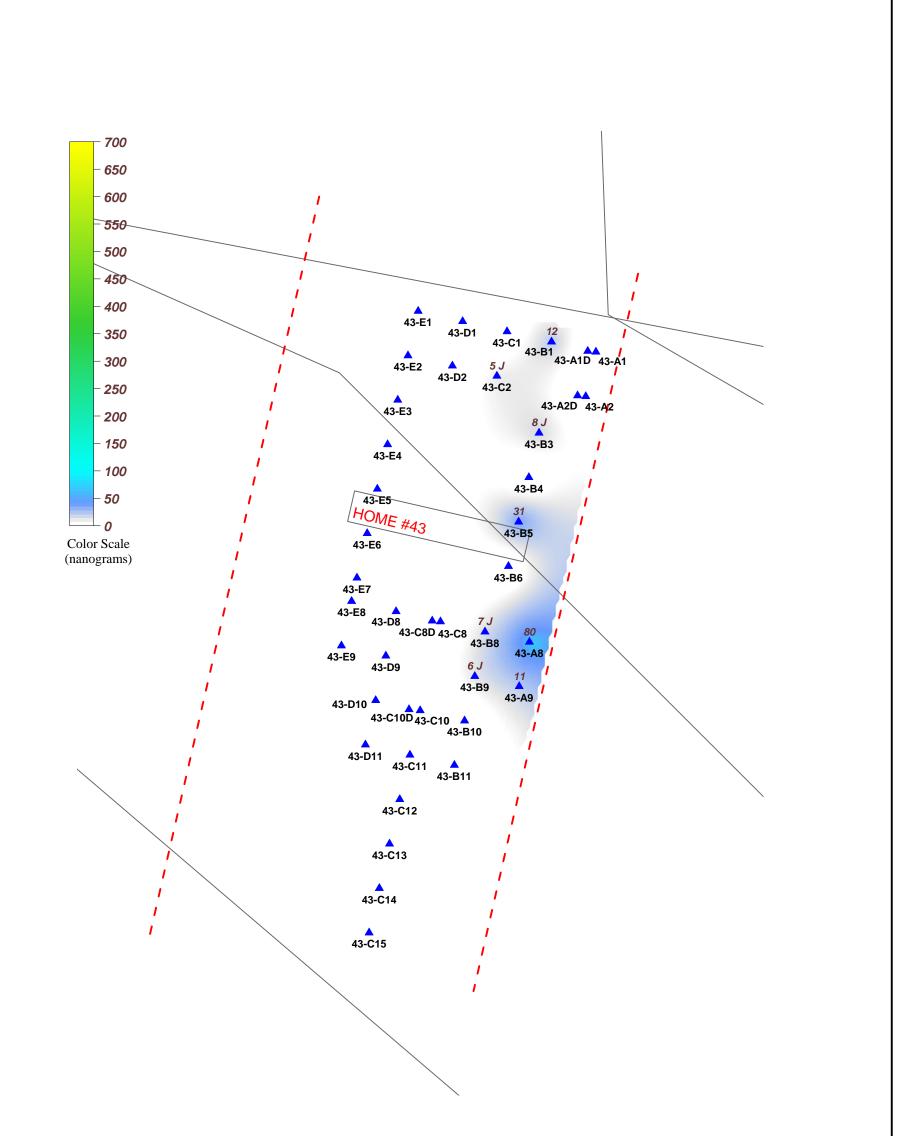


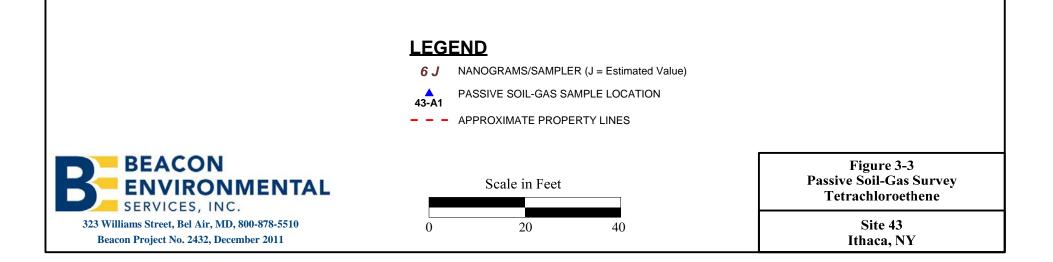












Attachments

Attachment 1

APPLYING RESULTS FROM PASSIVE SOIL-GAS SURVEYS

The utility of soil-gas surveys is directly proportional to their accuracy in reflecting and representing changes in the subsurface concentrations of source compounds. Passive soil-gas survey results are the mass collected from the vapor-phase emanating from the source(s). The vapor-phase is merely a fractional trace of the source(s) and, as a matter of convenience, the units used in reporting detection values from passive soil-gas surveys are smaller than those employed for source-compound concentrations.

Passive soil gas data are reported in mass of compounds identified per sample location (e.g., nanograms (ng) or micrograms (μ g) per sampler). Results from a passive soil gas survey typically are then used to guide where follow-on intrusive samples should be collected to obtain corresponding concentrations of the contaminants in soil, soil gas, and/or groundwater, as well as eliminate those areas where intrusive samples are not required. It is not practical to report passive soil gas data as concentration because the sampler's uptake rates of the compounds are often greater than the replenishment rates of the compounds around the sampler, which results in low bias measurements, and the replenishment rates will be dependent on several factors that include, at a minimum, soil gas concentrations, soil porosity and permeability, and soil moisture level.

Whatever the relative concentrations of source and associated soil gas, best results are realized when the ratio of soil-gas measurements to actual subsurface concentrations remains as close to constant as the real world permits. It is the reliability and consistency of this ratio, not the particular units of mass (*e.g.*, nanograms) that determine usefulness. Thus, BEACON emphasizes the necessity of conducting — at minimum — follow-on intrusive sampling in areas that show relatively high soil-gas measurements to obtain corresponding concentrations of soil and groundwater contaminants. These correspondent values furnish the basis for approximating a relationship. For extrapolating passive soil gas results to vapor intrusion evaluations, we recommend a minimum of three passive soil gas locations be converted to a shallow vapor well then sampled using an active soil gas measurements to estimate subsurface contaminant concentrations across the survey field. (See www.beacon-usa.com/passivesoilgas.html, Publication 1: *Mass to Concentration Tie-In for PSG Surveys* and Publication 4: *Groundwater and PSG Correlation.*) It is important to keep in mind, however, that specific conditions at individual sample points, including soil porosity and permeability, depth to contamination, and perched ground water, can have an impact on soil-gas measurements at those locations.

When passive soil-gas surveys are utilized as described above, the data provide information that can yield substantial savings in drilling costs and in time. They furnish, among other things, a checklist of compounds expected at each survey location and help to determine how and where drilling budgets can most effectively be spent. Passive soil-gas surveys can also be used as a remediation or general site monitoring tool that can be implemented on a quarterly, semi-annual or annual basis.

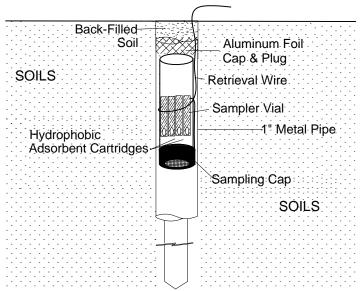
Attachment 2

FIELD PROCEDURES FOR PASSIVE SOIL-GAS SURVEYS

The following field procedures are routinely used during a BEACON Passive Soil-Gas Survey. Modifications can be and are incorporated from time to time in response to individual project requirements. In all instances, BEACON adheres to EPA-approved Quality Assurance and Quality Control practices.

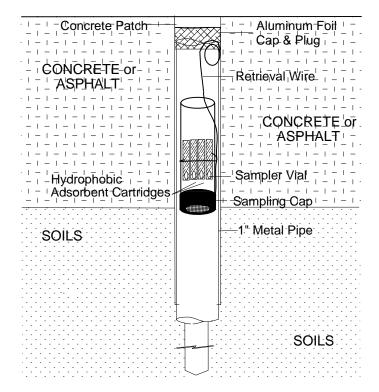
- A. Field personnel carry a BESURE Sample Collection Kit[™] and support equipment to the site and deploy the passive samplers in a prearranged survey pattern. A passive sampler consists of a borosilicate glass vial containing hydrophobic adsorbent cartridges with a length of wire attached to the vial for retrieval. Although samplers require only one person for emplacement and retrieval, the specific number of field personnel required depends upon the scope and schedule of the project. Each Sampler emplacement generally takes less than two minutes.
- B. At each survey point a field technician clears vegetation as needed and, using a hammer drill with a 1"- to 1½"-diameter bit, creates a hole 12 to 14 inches deep. [Note: For locations covered with asphalt, concrete, or gravel surfacing, the field technician drills a 1"- to 1½"-diameter hole through the surfacing to the soils beneath]. The technician then, using a hammer drill with a ½" diameter bit, creates a hole three-feet deep. The hole is then sleeved with a 1"-diameter metal sleeve.
- C. The technician then removes the solid plastic cap from a sampler and replaces it with a Sampling Cap (a plastic cap with a hole covered by screen meshing). The technician inserts the sampler, with the Sampling Cap end facing down, into the hole (see attached figure). The sampler is then covered with an aluminum foil plug and soils for uncapped locations or, for capped locations, an aluminum foil plug and a concrete patch. The sampler's location, time and date of emplacement, and other relevant information are recorded on the Field Deployment Form.
- D. One or more trip blanks are included as part of the quality-control procedures.
- E. Once all the samplers have been deployed, field personnel schedule sampler recovery and depart, taking all other equipment and materials with them.
- F. Field personnel retrieve the samplers at the end of the exposure period. At each location, a field technician withdraws the sampler from its hole, removes the retrieval wire, and wipes the outside of the vial clean using gauze cloth; following removal of the Sampling Cap, the threads of the vial are also cleaned. A solid plastic cap is screwed onto the vial and the sample location number is written on the label. The technician then records sample-point location, date, time, etc. on the Field Deployment Form.
- G. Sampling holes are refilled with soil, sand, or other suitable material. If samplers have been installed through asphalt or concrete, the hole is filled to grade with a plug of cold patch or cement.
- H. Following retrieval, field personnel ship or transport the passive samplers to BEACON's laboratory.

BEACON'S PASSIVE SOIL-GAS SAMPLER



DEPLOYMENT THROUGH SOILS

DEPLOYMENT THROUGH AN ASPHALT/CONCRETE CAP



Attachment 3

Field Deployment Report

| Project Information | | TARIAN IN. | BEACON | Client Information | | |
|---------------------|-------------|------------|--|-----------------------|---------------------|--|
| Beacon Project No.: | 2432 | R | ENVIRONMENTAL | Company Name: | EnviroGroup Limited | |
| Site Name: | Ithaca Site | | SERVICES, INC. | Office Location: | Latham, NY | |
| Site Location: | Ithaca, NY | 323 Willia | mis Street, Suite D, Bel, Air, MD 21014 (800) 878-5510 | Samples Collected By: | E Lovenduski | |

| FIELD | Date Emplaced | Date Retrieved | Sampling | FIELD NOTES |
|--------------------|---------------|----------------|------------|--|
| FIELD SAMPLE ID | 11/01/11 | 11/15/11 | Hole Depth | (<i>e.g.</i> , asphalt/concrete/gravel, description of sample location, PID/FID readings) |
| | Time Emplaced | Time Retrieved | (inches) | ed Rickop Surface |
| TRIP BLANK | 1259 | 1020 | - | |
| PSV-35-A 1 | 1301 | 1025 | 36 | Gr=55 0,9 |
| PSV-35-AZ | 1305 | 1029 | 36'' | 6-1255 0.8 |
| PSV-35-A3 | 1306 | 1033 | 36" | 61253 0.9 |
| PS1-35-A4 | 1308 | 1035 | 36 " | Gass 0,9 |
| PS V-35-A5 | 1310 | 1038 | 36'' | Gr.55 0.9 |
| PSV-35-A7 | 1315 | 640 | 36' | 5011 0.5 |
| PSV-35-B1 | 1320 | 1043 | 36 01 | C1035 1.7. |
| PSV-35-BZ | 1322 | 10 15 | 36'' | 61.13 0.3 |
| BSV-35-B3 | 1325 | 1347 | 31" | 61-13 1.3 |
| PSV-35-B4 | 1327 | 1049 | 31'' | 61.53 1.5 |
| P51-35-B5 | 1329 | 1052 | 36 '' | 5012.3 |
| PSV-35-B6 | 1331 | 1054 | 36'' | 501L D.3 |
| PSV-35-B7 | 1337 | 1056 | 36" | 501L Z.H |
| PSV-35-61 | 1343 | 1100 | 31' | 61.55 2.7 |

& Backsic- 1 on PIP rote 0-4 ppm Page _____ of ____

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| | Project Informa | tion | | BEACON | Clie | ent Information | |
|------------------|-----------------|----------------|-------------------|---|---------------------------|---------------------|---------------|
| Beacon Project N | | | | ENVIRONMENTAL | Company Name: | EnviroGroup Limit | ed |
| Site Name: | Ithaca Site | ν. | S S | ERVICES, INC. | Office Location: | Latham, NY | |
| Site Location: | Ithaca, NY | | 323 Williams Stre | et, Suite DxBel Air, MD 21014 (800) \$78-5510 | Samples Collected By: | ELovenusk | • |
| | | | | · · · · · | | 1 | |
| 5 | Date Emplaced | Date Retrieved | | | × 1 | · · · · · | |
| FIELD | 71 | | Sampling | | FIELD NOTE | | |
| SAMPLE ID | 4/11 | 11/15/11 | Hole Depth | (e.g., asphalt/concrete | gravel, description of sa | mple location, PID/ | FID readings) |
| SAMI LE ID | Time Emplaced | Time Retrieved | (inches) | | | | Fix PID |
| PSV-35-CZ | 1345 | 1102 | 36" | Cars | | - | 2.2 |
| PS V-35-63 | 1347 | 1104 | 1. | Giess | · · · · · | 18 - a - j | 1.8 |
| PSV-35-64 | 1349 | 1106 | | Gress | | | 0.3 |
| P5V-35-C5 | 1351 | 1108 | | 531 | | DUP HERE | 1,5 |
| PSV-35-CT | 1353 | 111) | | 5012 | | | 1.8 |
| PSV-35-D1 | 1411 | 1114 | | Giess | | | 0.7 |
| PSV-35-02 | 1416 | 117 | | 6135 | | | 0.7 |
| PSV-35-D3 | 1418 | 1119 | | 55.] | 6005 | | 2.0 |
| PS1-35-24 | 1420 | 1122 | | 50:1 2 | | | 1.7 |
| PSV-35-D5 | 1422 | 1124 | | 5611 | | | 0.9 |
| BV-35-07 | 1425 | 1126 | | 50:1 | | | 1.2 |
| P5V-35-E1 | 1430 | 1128 | | 61.35 | | | 1. 7 |
| PSV-35-EZ | 1435 | 1130 | | 6 47 55 | | , | 6.7 |
| PSV-35-E3 | 1438 | 1132 | | 5011 | | | 0.7 |
| PSV-35-E4 | 1441 | 1134 | \checkmark | 5. ; 1 | | | 1.1 |

Page 2 of 3

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| Project Information | | | BEACON | Client Information | | | |
|----------------------|-------------|------------|---|-----------------------|---------------------|--|--|
| Beacon Project No .: | 2432 | R | ENVIRONMENTAL | Company Name: | EnviroGroup Limited | | |
| Site Name: | Ithaca Site | B | SERVICES, INC. | Office Location: | Latham, NY | | |
| Site Location: | Ithaca, NY | 323 Willia | uns Street, Suite D, Bel Air, MD 21014 (800) 878-5510 | Samples Collected By: | ELoundusk: | | |

| FIELD SAMPLE ID | Date Emplaced | Date Retrieved | Sampling Hole Depth (inches) | FIELD NOTES (e.g., asphalt/concrete/gravel, description of sample location, PID/FID readings) Surface PID |
|-------------------------------------|--------------------|----------------|------------------------------------|---|
| PSV-35-ES | | 1136 | 360 | 50.1/ 1,5 |
| PSV-35-ES PSV-35-FS PSV-35-E7 | 14 48 | 1140 | | 50.1/ 50.1/ 50.1/ 50.1/ 1.4 |
| PSV-35-E7 | 1630 | 1138 | V | 50:1 1.4 |
| | | | | |
| | | | | |
| | | | | |
| | | - M. | | |
| | | | | |
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| | 5 ² 9 4 | | | |
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| | | | | |
| | | | | |
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Page _ of _ 3



| | | Project Informa | tion | | BEACON | Clie | ent Information | |
|-------|------------------|-----------------|----------------|-------------------|--|--|---------------------|--|
| | Beacon Project N | | | 100 | ENVIRONMENTAL | Company Name: | EnviroGroup Limited | |
| | Site Name: | Ithaca Site | | | SERVICES, INC. eet, Suite D, Bel Air, MD 21014 (800) 878-5510 | Office Location: | Latham, NY | |
| | Site Location: | Ithaca, NY | | 323 Williams Sile | eet, suite D, Det An, wild 21014 (5001875-2010 | Samples Collected By: | E Lourndruski | |
| [| | | A in | | | | | |
| | 12.25 | Date Emplaced | Date Retrieved | Sampling | | FIELD NOTE | 28 | |
| | FIELD . | 11/02/1) | 11 (15/1) | Hole Depth | (e.g. asphalt/concrete | FIELD NOTES (e.g., asphalt/concrete/gravel, description of sample location, PID/ عرب f | | |
| | SAMPLE ID | Time Emplaced | Time Retrieved | (inches) | (e.g., asphalo concrete | | | |
| | TRIP BLANK | | 1320 | | Mulit = T-1CB | - ² L | J. ~ | |
| 4 | PSV-43- A1 | 1220 | 1324 | 36" | Mulch | | ə. o | |
| 4 | PSV-43-ALD | 12,2,1 | 1326 | 60'' | Mulch | | 2.3 | |
| 8 | PSV-43-B1 | 1223 | 1" 329 | 36" | 6 (+ 55 | | D. 0 | |
| X | PSV-43-C1 | 1225 | 1331 | | Griss | 3 | 0.7 | |
| J. | PS1-43-DI | 1227 | 1332 | | 61-35 | | 0. Z. | |
| X | P5v-43-E1 | 1230 | 1334 | | 61.55 | | J. Ø | |
| 8 | PS.V-43-AZ | 1233 | 1336 | V | Mulch | | j. / | |
| 4 | PSV-43-AZD | 1234 | 1337 | 60' | Mulih wit t. | hon 11/15 | 0. 5 | |
| | P5V-43-B2 | 1237 | 1338- | 36 | 61.53 - NO 3" | ple - Simple cap | Never pton. 0.2 | |
| 4 | PS1-43-62 | 1240 | 13-1-2 | | Griss | | J, 5M | |
| n - 1 | PSV-43-DZ | 1243 | 1341 | | 611.5 | |), | |
| X | PSV-13-EZ | 12.15 | 13-13 | | Griss | | 0. 0 | |
| 4 | PSV-13-E3 | 12-19 | 1345 | | Mulch | | J. U | |
| 4 | PSV-43-EH | 1251 | 13-17 | V | Mulch | | 0.6 | |

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Page of 3

| | | Project Information | | | BEACON | nt Information | | |
|---|----------------------------------|------------------------------|------|-------------------|--|-----------------------|---------------------|--|
| | Beacon Project N | | | | INVIRONMENTAL | Company Name: | EnviroGroup Limited | |
| | Site Name: | Ithaca Site | | s s | ERVICES, INC. | Office Location: | Latham, NY | |
| | Site Location: | Ithaca, NY | | 323 Williams Stre | iet, Suite D, Bel Air, MD 21014 (800) 878-5510 | Samples Collected By: | E Lovend-ski | |
| | FIELD $ 1 2 M 1 5 Ho$ | | | FIELD FIELD FIELD | | | | |
| | | Time Emplaced Time Retrieved | | (inclics) | | | | |
| 0 | PSV- 43-E5 | 1256 | 1349 | 36" | Sig (614) | ٢ | 0.0 | |
| 0 | + PSV-H3-E6 | 1258 | 1350 | | 6435 | | 0.0 | |
| 7 | PSV-43-E7 | 1305 | 1351 | | Grass | | J. 7 | |
| 0 | PSU-43-E8 | 1309 | 1352 | | 61255 | | 0,0 | |
| , | \$ \$5V-93-E9 | 1349 | 1354 | | Tube wet (P. c) | k-p | 0,4 | |
| | 1 PSV-43-D8 | 1430 | 1359 | | M.Ich - Flours bo | × | 0.0 | |
| C | PSV-43-68 | 1432 | 1401 | V | Canl | | 0.0 | |
| J | PSV-43-68D | 1433 | 1402 | 60" | Syanl | | 0. 5 | |
| 7 | + PSV-43-B9 | 1435 | 11-3 | 36'' | 61 | | Q. D | |
| 1 | +PSV-43-A8 | 1437 | 1405 | | MICL | | 5.5 | |
| C | NPSV-43-A9 | 1439 | 1407 | | Mich | | J. D | |
| C | + PSV-43-B9 | 144] | 1408 | | Brick | | 3.0 | |
| Q | P51-43-D9 | 1442 | 1410 | | MILL | 1 | 5.0 | |
| | 1 PSV-43-B10 | 1444 | 1414 | | Mich - wet | tubes 11/15 | 0.0 | |
| L | PSV-43-C10 | 1446 | 1416 | V | MICH | | 0. 0 | |

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Page Z of 3

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| | Project Informa | ation | | BEACON | Client Information | | | |
|----------------|---|----------------|------------------|--|---------------------------|-----------------------------------|--|--|
| Beacon Projec | the second se | | | ENVIRONMENTAL | Company Name: | EnviroGroup Limited | | |
| Site Name: | Ithaca Site | | | SERVICES, INC. | Office Location: | Latham, NY | | |
| Site Location: | Ithaca, NY | | 323 Williams Str | eet, Suite D, Bel Air, MD 21014 (800) 878-5510 | Samples Collected By: | ELOVENDUSK) | | |
| | | | | | | | | |
| FIELD | Date Emplaced | Date Retrieved | Sampling | | FIELD NOTE | ES | | |
| SAMPLE ID | 11/2/11 | 11/15/11 | Hole Depth | (e.g., asphalt/concrete | gravel, description of sa | ample location, PID/FID readings) | | |
| SAM LL I | Time Emplaced | Time Retrieved | (inches) | | | PICKUE PID (ppm) | | |
| 1 PSV-43-CID | D 1447 | 1417 | -60-54 | Mulch - Tube my | ton11/15 | 0.0 | | |
| + PSU-13-D= | | 14150 | 36'' | MICL | , , | 0. _D | | |
| A-PSV-43-CII | 1451 | 1423 | | 61655 - mat | t-b11/15 | 0,0 | | |
| X PSV-43-C1 | 2 1453 | 1426 | ~ 1 | Gress watte | oe on 11/15 | 0.0 | | |
| PS+43-C1. | 3 1-156 | 1428 | | Grass wet to | be = n 11/15 | 0.0 | | |
| HPS1-45-61 | 14 1 4 58 | 1430 | | Crass . wet ful | barn 11/15 | 3.2 | | |
| PSV-43-CI | 51500 | 1+3/ | | 61235 | | 0.0 | | |
| PSV-43-D1 | | 1425 | | Gussi wet tube | 5n11/15 | r 0.0 | | |
| - PSV- 43-B | 11 1508 | 1420 | | Girss wit tibe | on #/15 | J. 7 | | |
| PSV-613-68 | | | | | Alren's iste | 11.1 P3 2 5/f | | |
| P5V-13-B | 7 1513 | | i. | Vial bioke when | remaind. Solbento | lost in hole no single o. o | | |
| +PSV- 13-B6 | 1515 | 1435 | Ϋ́, | Grant. mistin to | br on 11/15 | 0.0 | | |
| H PSV-43-BS | 1517 | 1437 | | Gravel wetin | tube on 11/15 | 2.0 | | |
| PSV-113-B | 1 1 519 | 1739 | , | Grand Muist | - intra su 1/15 | 0.0 | | |
| PSV-43-B | 3 152/ | 1442 | \checkmark | Gral Moist in | tube on 11/15 D | VPHERE D.D | | |

Page _ 3 of _ 3

Attachment 4

LABORATORY PROCEDURES FOR PASSIVE SOIL-GAS SAMPLES

Following are laboratory procedures used with BEACON Passive Soil-Gas Surveys, a screening technology for expedited site investigation. After exposure, adsorbent cartridges from the passive samplers are analyzed using U.S. EPA Method 8260C as described in the Solid Waste Manual (SW-846), a capillary gas chromatographic/mass spectrometric method, modified to accommodate high temperature thermal desorption of the adsorbent cartridges and to meet the objecitves of reporting semi-quantitative data. This procedure is summarized as follows:

- A. The adsorbent cartridges are loaded with internal standards and surrogates prior to loading the autosampler with the cartridges. The loaded cartridges are purged in a helium flow. Then the cartridges are thermally desorbed in a helium flow onto a focusing trap. Any analytes in the helium stream are adsorbed onto a focusing trap.
- B. Following trap focusing, the trap is thermally desorbed onto a Rxi-624Sil MS 20m, 0.18 mm ID, 1.00 micron filament thickness capillary column.
- C. The GC/MS is scanned between 35 and 270 Atomic Mass Units (AMU) at 3.12 scans per second.
- D. BFB tuning criteria and the initial five-point calibration procedures are those stated in method SW846-8260C. System performance and calibration check criteria are met prior to analysis of samples. A laboratory method blank is analyzed after the daily standard to determine that the system is contaminant-free.
- E. The instrumentation used for these analyses includes:
 - Agilent 6890-5973a Gas Chromatograph/Mass Spectrometer;
 - Markes Unity thermal desorber;
 - Markes UltrA autosampler; and
 - Markes Mass Flow Controller Modules

Attachment 5

Chain-of-Custody Form

HOUSE#35-1

CHAIN-OF-CUSTODY PASSIVE SOIL-GAS SAMPLES

| | oject Information | | | Client Information | | | |
|----------------------|------------------------------|------------|---|-----------------------|---------------------|--|--|
| Beacon Project No .: | Ithaca Site Ithaca, NY | | BEACON | Company Name: | EnviroGroup Limited | | |
| Site Name: | | | ENVIRONMENTAL | Office Location: | Latham, NY | | |
| Site Location: | | | SERVICES, INC. 323 Williams Street, Suite D. Bel Air MD 21014 (800) 878-5510 | Samples Submitted By: | E. Lovenduski | | |
| Analytical Method: | | | 525 Withams Street, Since D. Der All, MID 21014 (800) 878-5510 | Contact Phone No.: | 518-258-3859 | | |
| Target Compounds: | Beacon Project Number 243 | 2 Target (| Compound List | | | | |
| | | | | Comments | | | |
| Field Sample ID | Lab Sample ID | | (only necessary if problem or discrepancy) | | | | |

| Lab Sample ID | (only necessary if problem or discrepancy) | | | | | | | |
|------------------------------|--|---|---|--|--|---|--|--|
| (IOI Iab use only) | | Condition of sample or vial | | | | Initial | | |
| 2432 Trip-1 | | | | 11/15/4 | 1020 | 5A2 | | |
| 2432 PSV. 35-A1 | | | | 1 1 | 1025 | 508 | | |
| 2432 PSV-35-A2 | | | | | | SIL | | |
| 2432 PSV-35- A3 | | | | | 1 | FAC | | |
| 2432 DSV-35- A4 | | | | | | 50 | | |
| 2432 PSV-35- A5 | | | | | | SIL | | |
| 27132 \$5U-35-A7 | | | | | | 558 | | |
| 2432 PSV-35-B1 | | | | | | 50 | | |
| 2432 PSV-75-B2 | | | | | | 198 | | |
| 2432 BV-35- B3 | | | | | 10+7 | 502 | | |
| | | | | | 1249 | 242 | | |
| | | | | | 1052 | 55 | | |
| 2432 PSV-75-B6 | | | | | 1054 | 15 | | |
| 2432 PSV-35-B7 | | | | | 1056 | 145 | | |
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HOUSE#35_Z

CHAIN-OF-CUSTODY PASSIVE SOIL-GAS SAMPLES

| ect Information 2432 Ithaca Site Ithaca, NY EPA Method 8260C Beacon Project Number 24 | 32 | BEACON ENVIRONMENTAL SERVICES, INC. | Company Name: Office Location: | EnviroGro Latham, N | up Limited | |
|--|---|--|--|--|--|---|
| Ithaca, NY EPA Method 8260C | 32 | SERVICES, INC. | Office Location: | Latham N | X.T | |
| EPA Method 8260C | 32 | SERVICES, INC. | | Lathann, IV | Y | |
| EPA Method 8260C | 32 | 3 Williams Street, Suite D, Bel Air, MD 21014 (800) 878-5510 | Samples Submitted By: | E. Lor | endusk; | |
| | | 3 Williams Street, Suite D, Bel Alt, MD 21014 (800) 875-5510 | Contact Phone No .: | | 58-385 | 9 |
| | 32 Target Co | ompound List | | | | |
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CHAIN-OF-CUSTODY PASSIVE SOIL-GAS SAMPLES

HOUSE#43_1

| Project Information | | | Client Information | | | |
|----------------------|--------------------------------|--|-----------------------|---------------------|--|--|
| Beacon Project No .: | 2432 | BEACON | Company Name: | EnviroGroup Limited | | |
| Site Name: | Ithaca Site | ENVIRONMENTAL | Office Location: | Latham, NY | | |
| Site Location: | Ithaca, NY | SERVICES, INC. 223 Williams Street, Suite D. Bel Air, MD 21014 (800) 875-5510 | Samples Submitted By: | E Lovenduski | | |
| Analytical Method: | EPA Method 8260C | | Contact Phone No .: | 518-258-3859 | | |
| Target Compounds: | Beacon Project Number 2432 Tar | get Compound List | | | | |

| Field Sample ID | La | ab Sample ID | Comments (only necessary if problem or discrepancy) | | | | | | | | |
|---------------------------|-----------|--------------------|--|----------|--------------|--------------|---------|--------------|-----------|--|--|
| Field Sample ID | (fo | (for lab use only) | | Conditio | on of sample | | | Date | Time | Initial | |
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| PSV-43-A1 | | PSV - 43- A1 | | | | | | | 1324 | SAL | |
| PSV-43-AID | 2432 | PSV-43-AID | | | | | | | 1326 | 34 | |
| PSV-43-B1 | 243: | 2 PSV-43-BI | | | | | | | 1329 | 308 | |
| PSV-43-(1 | 243 | 2 PSV-43-CI | | | | | | | 1331 | 548 | |
| PSU-43- D1 | 243: | 2 PSV-43-DI | | | | | | | 1332 | 945 545 545 545 545 545 | |
| PSV-43-E1 | 243 | 2 PSV-43-E1 | | | | | | | 1334 | SAF | |
| P5V-43- AZ | 243: | 2 PSV-43-A2 | | | | | | | 1336 | STE | |
| PSV-43- A2D | 243: | 2 PSV - 43-A2D | | | | | | | 1337 | SUL | |
| P5V-13 CZ | 2435 | PSV-43-02 | | | | | | | 1340 | 24 8 | |
| PSV-13- DZ | 243 | 2 PSV - 43-D2 | | | | | | | 1341 | 585 | |
| P.SV-93-EZ | 243 | 2 PSV - 43-E2 | | | | | | | 1343 | AS | |
| PSU-13-E3 | 243 | 2 PSV - 43-E3 | | | | | | | 1345 | AS - | |
| PSV-43-E4 | 243 | 2 PSV - 43-E4 | | | | | | | 13017 | 542 | |
| PSV-13- F.5 | 243: | 2 PSV - 43-E5 | | | | | | | 1349 | 148 | |
| PSV-43- E6 | 2432 | PSV - 43-E6 | | | | | | | 1350 | 18 | |
| PSU-43-E7 | 2432 | PSV-43-E7 | | | | | | | 1351 | 15/6 | |
| PSV-93-E8 | 2432 | PSV - 43- E8 | | | | | | | 135Z | 55 | |
| PSV-43-E9 | 2432 | - PSV - 43 - E9 | | | | | | | 1354 | AL | |
| PS1-43- D8 | 2437 | - PSV - 43- D8 | | | | (| 5 | \checkmark | 1359 | F/S | |
| Shipment of Field Kit | to Site - | - Custody Seal # | 17350. | 381 | | | Y)N | | | | |
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| Shipment of Field Kit | to Labo | oratory — Custody | Seal # | 7350382 | | Intact? (| Ŷ N | | | | |
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CHAIN-OF-CUSTODY PASSIVE SOIL-GAS SAMPLES

HOUSE #43_3

| Project Information | | |] | Clie | Client Information | | | |
|----------------------------|-------------------------------------|-----------|---|---------------------------------------|---------------------|-----------|-----------|--|
| Beacon Project No .: | 2432 | | BEACON | Company Name: | EnviroGroup Limited | | | |
| Site Name: | Ithaca Site | | ENVIRONMENTAL | Office Location: | Latham, NY | | | |
| Site Location: | Ithaca, NY | | SERVICES, INC. 323 Williams Street, Suite D. Bel Air MD 21014 (800) 875-5510 | Samples Submitted By: | E. Love | | | |
| Analytical Method: | EPA Method 8260C | | 323 withink Siger, Sine D, her An, KD 21014 (8001875/5210 | Contact Phone No.: | 518-2 | 58-3857 | > | |
| Target Compounds: | Beacon Project Number 24 | 32 Target | Compound List | | | | | |
| Field Sample ID | Lab Sample ID (for lab use only) | | (only necessa | Comments ry if problem or discrepa | ncy) | | | |
| | (lor lab use only) | | Condition of sample or | vial | Date | Time | Initial | |
| PSV-43- C8 | 2432 PSV-43-C8 | | | | 11/15/11 | 1401 | 598 | |
| PSV-43- CBD | 2432 PSV-43-C8D | | | | 1 | 1402 | 53 7 | |
| PSV-43-B8 | 2432 PSV-43-B8 | | | | | 1403 | S S Color | |
| PSV-43- A8 | 2432 PSV-43-A8 | | | | | 1405 | 346 | |
| PSV-43- A9 | 2432 PSV-43-A9 | | | | | 1407 | SV F | |
| PSV-43- B9 | 2432 PSV-43-B9 | | | | | 1408 | 508 | |
| PSV-43-D9 | 2432 PSV-43-D9 | | | | | 140 | SLS | |
| PSV-43- B10 | 2432 PSU-43-BID | | | | | 1414 | 548 | |
| PSV-43-C10 | 2432 PSV-43-CIO | | | | | 1416 | 518 | |
| PSV-43- CIOD | 2432 PSV-43-CIOD | | | | | 1417 | 518 | |
| PSV-43- DIO | 2432 BU-43-DIO | | | | | 1418 | 1585 | |
| PSV-43-C11 | 2432 PSV-43-CII | | | | | 1923 | 31 | |
| PS 1-43- C12 | 2432 PSV-43-C12 | | | | | 1426 | 515 | |
| PS1-43-C13 | 2432 PSV-43=C13 | | | | | 1428 | 515 | |
| PSV-43-C14 | 2432 PSV-43-CI4 | | | | | 1430 | 123. | |
| PSV-43-C15 | 2432 PSVI-43-C15 | | | | | 1931 | RFS- | |
| PSV-43-D11 | 2432 PSVI-43-DII | | | | | 1425 | ALS. | |
| PSV-43-B11 | 2432 PSV-43-BII | | | | | 1420 | 548 | |
| PSV-43-B6 | 2432 PSN-43-B6 | | | | | 1935 | 5 FF | |
| PSV-43-B5 | 2432 PSV-43-B5 | | | 0 | \checkmark | 1-137 | 38 | |
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| Shipment of Field Kit | to Laboratory — Custody | Seal # | 17350382 | Intact? N N | | | | |
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CHAIN-OF-CUSTODY PASSIVE SOIL-GAS SAMPLES

| Project Information | | | Client Information | | | |
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| Beacon Project No .: | 2432 | BEACON | Company Name: | EnviroGroup Limited | | |
| Site Name: | Ithaca Site | ENVIRONMENTAL | Office Location: | Latham, NY | | |
| Site Location: | Ithaca, NY | SERVICES, INC. 323 Williams Street, Suite D, Bel Air, MD 21014 (800) 878-5510 | Samples Submitted By: | E Lovenduski | | |
| Analytical Method: | EPA Method 8260C | 313 Stillards areet, sure D, Ber AR, SID 21014 (669767) 3119 | Contact Phone No .: | 518-258-3859 | | |
| Target Compounds: | Beacon Project Number 2432 Tar | get Compound List | | | | |

| Field Sample ID | Lab Sample ID | Comments (only necessary if problem or discrepancy) | | | | | | | |
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| Field Sample ID | (for lab use only) | | Condition of sample | | Date | Time | Initial | | |
| PSV-43-B4 | 2432 PSV-43-B4 | | | | 11/15/11 | 1439 | 515 | | |
| PSV-43-B3 | 2432 PSV-43-133 | | | | | 1442 | 545 | | |
| PSV-43-B3DUP | | | | | V | 1442 | 598 | | |
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| Ryan Schol | 10-27-2011 / 17 | 00 Hours | UP3 | - on whe | / | ICDI'' / | 100 | | |
| Chinese CE' LLE | L L | C-14 19 | 350382 | Intact? 🛞 N | | | | | |
| Relinquished by: | to Laboratory — Custody | | Courier | Received by: | | Date/Ti | ime | | |
| Reinquished by: | 1/16/11 15: | | FEPEX | Kenny Thealw | | 11-17-2011 / 1000 Mr | | | |
| The | 11/0/1- 135 | | | presenter praente | | 50 - 500 | | | |