



Beacon Environmental  
2203A Commerce Road, Suite 1  
Forest Hill, MD 21050 USA  
1.410.838.8780

## CERTIFICATE OF ANALYSIS

Beacon Proposal No.: 200205H01

Beacon Project No.: 0005475

### **Project Description:**

Project Site: Kashmere Gardens  
Houston, TX

Prepared for:

Jeremy Rangel

**City of Houston Health Department**

8000 N. Stadium Drive, 2nd Floor

Houston, TX 77054

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Ryan W. Schneider  
Senior Project Manager

January 12, 2021

All data meet requirements as specified in the Beacon Environmental Services, Inc. Quality Assurance Project Plan and the results relate only to the samples reported. The work performed was in accordance with ISO/IEC 17025:2017 requirements, except TPH is not included in BEACON's scope of accreditation, and Acenaphthene, Acenaphthylene, Biphenyl, Dibenzofuran, Fluorene, m&p-Cresols, o-Cresol (2-Methylphenol), were targeted with a one-point calibration. This report shall not be reproduced, except in full, without written approval of the laboratory. Release of the data contained in this data package has been authorized by the Laboratory Director or his signee, as verified by the following signatures:

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Steven C. Thornley  
Laboratory Director

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Peter B. Kelly  
Interim Quality Manager

<b>City of Houston Health Department</b> 8000 N. Stadium Drive, 2nd Floor Houston, TX 77054	<b>Project Site:</b> Kashmere Gardens <b>Project Location:</b> Houston, TX <b>Project Manager:</b> Jeremy Rangel	<b>Beacon Proposal:</b> 200205H01 <b>Beacon Project No.:</b> 0005475 <b>Reported:</b> 01/12/2021
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## Summary of Compound Detections- Mass

Lab Sample ID: 0005475-04	<b>SG-302</b> Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
<b>Toluene</b>	108-88-3	<b>53</b>		25	S20112309.D

Lab Sample ID: 0005475-08	<b>SG-307</b> Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
<b>p-Isopropyl toluene</b>	99-87-6	<b>60</b>		25	S20112313.D

Lab Sample ID: 0005475-11	<b>SG-312</b> Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
<b>Toluene</b>	108-88-3	<b>51</b>		25	S20112316.D
<b>TPH C4-C9</b>		<b>5,790</b>		5,000	S20112316.D

Lab Sample ID: 0005475-12	<b>SG-313</b> Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
<b>Toluene</b>	108-88-3	<b>34</b>		25	S20112317.D

Lab Sample ID: 0005475-14	<b>SG-315</b> Soil Gas	Method: EPA 8260C
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Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
<b>Toluene</b>	108-88-3	<b>54</b>		25	S20112319.D

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## Summary of Compound Detections- Mass

Lab Sample ID: 0005475-21	<b>SG-322</b>	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
<b>Toluene</b>	108-88-3	<b>275</b>		25	S20112409.D
<b>TPH C10-C15</b>		<b>5,120</b>		5,000	S20112409.D

Lab Sample ID: 0005475-22	<b>SG-323</b>	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
<b>Toluene</b>	108-88-3	<b>54</b>		25	S20112410.D

Lab Sample ID: 0005475-23	<b>SG-324</b>	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
<b>Toluene</b>	108-88-3	<b>26</b>		25	S20112411.D

Lab Sample ID: 0005475-29	<b>SG-330</b>	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
<b>Toluene</b>	108-88-3	<b>53</b>		25	S20112417.D

Lab Sample ID: 0005475-34	<b>SG-337</b>	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
<b>Toluene</b>	108-88-3	<b>270</b>		25	S20112422.D

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**Reported:** 01/12/2021

## Summary of Compound Detections- Mass

Lab Sample ID: 0005475-35	<b>SG-338</b>	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
<b>Toluene</b>	108-88-3	<b>332</b>		25	S20112423.D

Lab Sample ID: 0005475-37	<b>SG-340</b>	Method: EPA 8260C
	Soil Gas	

Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
<b>Toluene</b>	108-88-3	<b>35</b>		25	S20112425.D

Lab Sample ID: 0005475-38	<b>SG-341</b>	Method: EPA 8260C
	Soil Gas	

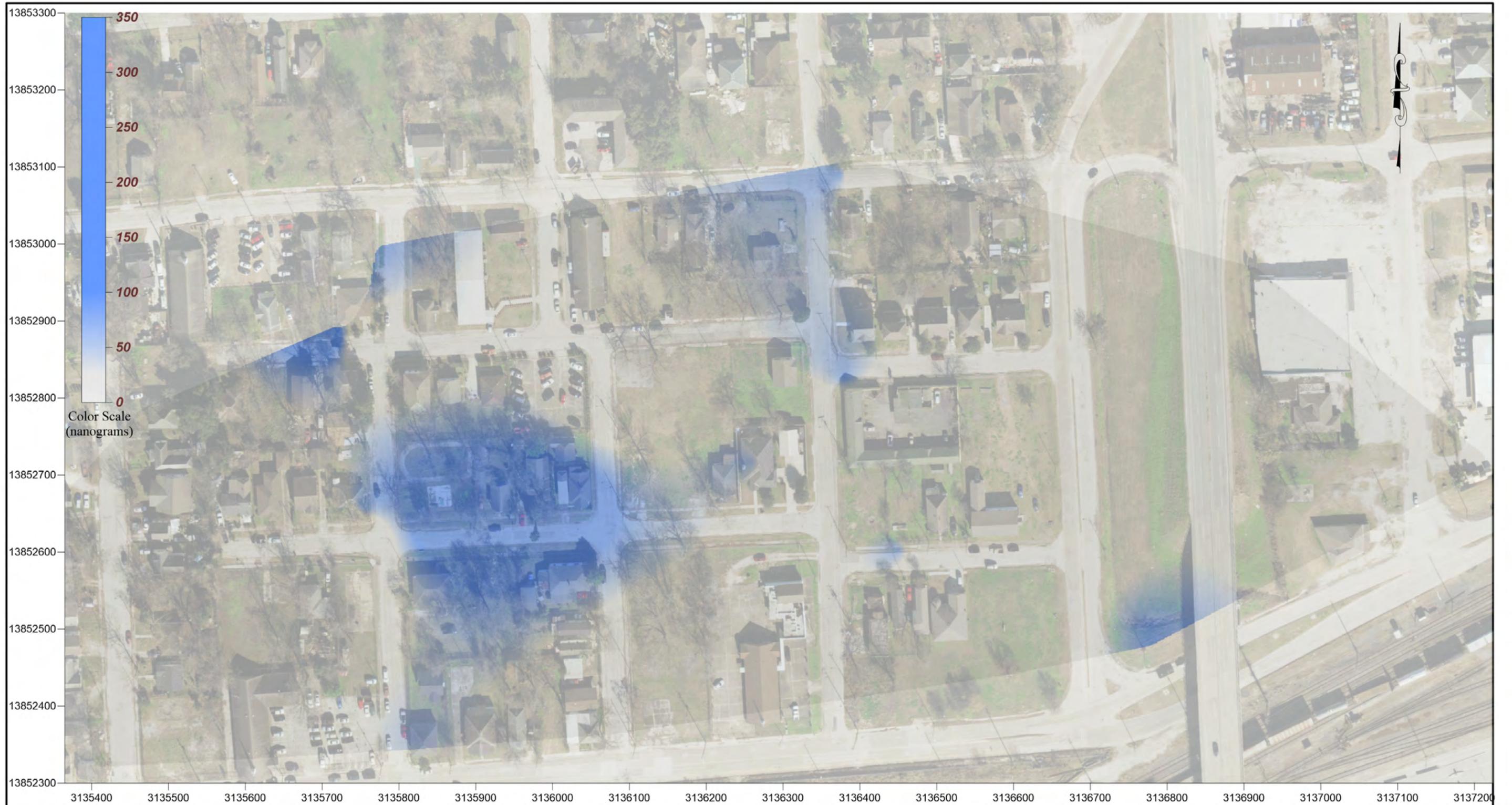
Analyte	CAS#	Result (ng)	Q	LOQ (ng)	File ID
<b>Toluene</b>	108-88-3	<b>80</b>		25	S20112426.D

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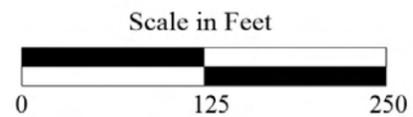
### *Map Data Summary Table*

The following table lists number of detections on field samples from the current survey, 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.

Figure No.	Compound	Number of Detections	LOQ (ng)	Max Value (ng)	Transformation Method	Interpolation Method
1	Toluene	12	25	332	Log	Kriging



**Note:**  
 Color isopleth map shows interpolation  
 of data between all sample locations.



System: State Plane  
 Zone: Texas South Central 4204  
 Datum: NAD 1983  
 Coordinate Units: Feet

**Figure 1**  
**Passive Soil-Gas Survey**  
**Toluene**

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**Kashmere Gardens**  
**Houston, TX**