

LEGEND

PARCEL BOUNDARY

VALIDATED RESULTS

BELOW EPA SCREENING LEVELS (3)

EXCEEDS EPA SCREENING LEVELS (4)

City of Houston Property

0 200 400

SCALE IN FEET



US EPA REGION 6

FIGURE 2

OFF-SITE SOIL ASSESSMENT
 ZONE 1A SCREENING EXCEEDANCE
 FIFTH WARD/KASHMERE GARDENS
 UPRR SITE
 HOUSTON, HARRIS COUNTY, TEXAS

SOURCE: OPEN STREET MAP LIGHT GRAY BASEMAP; ESRI
 CLIN No.: 68HERH23F0391-0004000 Data Provided by Geosyntec

DATE 02/04/2025	PROJECT NO 26500.012.001.0004	SCALE AS SHOWN
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This page shows an example of the soil sample results from your property.

The Sample ID is required by EPA that contains the following information:
 OFFSS – soil sample type (off-site)
 000 –numerical identifier associated with address
 ‘C’ - method of soil sample collection (Composite)
 ‘0-2’, ‘2-6’, and ‘6-12’ – sample depth (inches below ground surface)
 20240605 – date of sample collection (year, month, day)
 SV – soil sample was sieved before sample analysis (as required by EPA)

The protective screening values established by EPA to which soil results are compared.

“--” means a screening value has not been established by EPA.

This column shows the EPA reviewed soil results.

TABLE 1
 Summary of Soil Sample Results - Dioxins and Furans
 Houston, Texas

Geosyntec Consultants

Parameter	Location ID Sample ID Sample Date Depth Range (inches)	OFFSS-000 OFFSS-000-0-2-C-SS-20240605-SV 6/5/2024 0-2
	EPA Residential Screening Level	
Dioxins and Furans (ng/kg)		
1,2,3,4,6,7,8-Heptachlorodibenzofuran	--	16.7
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	--	403
1,2,3,4,7,8,9-Heptachlorodibenzofuran	--	Not Detected
1,2,3,4,7,8-Hexachlorodibenzofuran	--	1.4 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	--	4.53 J
1,2,3,6,7,8-Hexachlorodibenzofuran	--	1.01 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	--	6.14
1,2,3,7,8,9-Hexachlorodibenzofuran	--	Not Detected
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	--	8.46
1,2,3,7,8-Pentachlorodibenzofuran	--	4.19 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	--	1.1 J
2,3,4,6,7,8-Hexachlorodibenzofuran	--	1.61 J
2,3,4,7,8-Pentachlorodibenzofuran	--	1.25 J
2,3,7,8-Tetrachlorodibenzofuran	--	1.27
2,3,7,8-Tetrachlorodibenzo-p-dioxin	4.8	Not Detected
Octachlorodibenzofuran	--	42.7
Octachlorodibenzo-p-dioxin	--	49600
Dioxin/furan TEQ (WHO 2005, ND = RL)	48	23 J

Notes:

Result detected above the EPA residential screening level

Result detected above the method detection limit

Not Detected - the parameter was not detected above the method detection limit

-- no EPA residential screening level available

EPA Residential Site-Specific Screening Levels - Dioxins and Furans Toxic Equivalency (September 2023).

The last row of the table shows the upper bound toxic equivalency (TEQ) of the sample. The TEQ is calculated by multiplying the measured concentration of each parameter with a toxic equivalency factor (TEF) set by the World Health Organization (WHO) in 2005. The Dioxin/furan TEQ is calculated by adding each of the parameter-specific TEQ values together.

ng/kg - nanograms per kilogram

EPA - United States Environmental Protection Agency

J - estimated value

ND - Non-Detect

RL - Reporting Limit

TEQ - toxic equivalency

WHO - World Health Organization

The “J” means the result is estimated because it was less than the laboratory instruments lowest reporting limit.

Shading indicates a result above the EPA residential screening value.

The letters in this column are defined in the “Notes” below.

TABLE 1
Summary of Soil Sample Results - Dioxins and Furans
Boyce-Dorian Park, Houston, Texas

	Location ID Sample ID Sample Date Depth Range (inches)	OFFSS-001 OFFSS-001-0-2-C-SS-20240605-SV 6/5/2024 0 - 2	OFFSS-001 OFFSS-001-2-6-C-SH-20240605-SV 6/5/2024 2 - 6	OFFSS-002 OFFSS-002-0-2-C-SS-20240605-SV 6/5/2024 0 - 2
Parameter	EPA Residential Screening Level			
Dioxins and Furans (ng/kg) - E1613				
1,2,3,4,6,7,8-Heptachlorodibenzofuran	--	16.7	16.2	106
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	--	403	353	1150
1,2,3,4,7,8,9-Heptachlorodibenzofuran	--	Not Detected	Not Detected	6.44
1,2,3,4,7,8-Hexachlorodibenzofuran	--	1.40 J	1.24 J	4.60 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	--	4.53 J	3.13 J	12.6
1,2,3,6,7,8-Hexachlorodibenzofuran	--	1.01 J	Not Detected	3.88 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	--	6.14	5.01	25.2
1,2,3,7,8,9-Hexachlorodibenzofuran	--	Not Detected	Not Detected	1.21 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	--	8.46	6.47	25.2
1,2,3,7,8-Pentachlorodibenzofuran	--	4.19 J	9.52 J	56.9 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	--	1.10 J	0.973 J	4.08 J
2,3,4,6,7,8-Hexachlorodibenzofuran	--	1.61 J	1.47 J	4.06 J
2,3,4,7,8-Pentachlorodibenzofuran	--	1.25 J	1.30 J	4.01 J
2,3,7,8-Tetrachlorodibenzofuran	--	1.27	0.922 J	1.46
2,3,7,8-Tetrachlorodibenzo-p-dioxin	4.8	Not Detected	Not Detected	0.442 J
Octachlorodibenzofuran	--	42.7	46.7	539
Octachlorodibenzo-p-dioxin	--	49600	54300	87100
Dioxin/furan TCDD toxicity equivalent (WHO 2005, ND = RL)	48	23 J	24	54 J

Notes:

- result detected above the EPA residential screening level

Bold - result detected above the method detection limit

-- no EPA residential screening level available

Not Detected - the parameter was not detected above the method detection limit

- result did not meet data quality criteria approved by EPA

EPA Residential Site-Specific Screening Level for Dioxins and Furans Toxic Equivalency (September 2023).

The last row of the table shows the upper bound toxic equivalency (TEQ) of the sample. The TEQ is calculated by multiplying the measured concentration of each parameter with a toxic equivalency factor (TEF) set by the World Health Organization (WHO) in 2005. The Dioxin/furan TEQ is calculated by adding each of the parameter-specific TEQ values together.

ng/kg - nanograms per kilogram

EPA - United States Environmental Protection Agency

J - estimated value

ND - Non-Detect

RL - Reporting Limit


TEQ - toxic equivalency

WHO - World Health Organization

TABLE 1
Summary of Soil Sample Results - Dioxins and Furans
Boyce-Dorian Park, Houston, Texas

	Location ID Sample ID Sample Date Depth Range (inches)	OFFSS-002 OFFSS-002-2-6-C-SH-20240605-SV 6/5/2024 2 - 6	OFFSS-003 OFFSS-003-0-2-C-SS-20240605-SV 6/5/2024 0 - 2	OFFSS-003 OFFSS-003-2-6-C-SH-20240605-SV 6/5/2024 2 - 6
Parameter	EPA Residential Screening Level			
Dioxins and Furans (ng/kg) - E1613				
1,2,3,4,6,7,8-Heptachlorodibenzofuran	--	184	110	212
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	--	1750	782	1200
1,2,3,4,7,8,9-Heptachlorodibenzofuran	--	11.0	4.16 J	7.13
1,2,3,4,7,8-Hexachlorodibenzofuran	--	5.90	5.30	10.8
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	--	19.2	6.72	12.5
1,2,3,6,7,8-Hexachlorodibenzofuran	--	5.96	3.37 J	7.07 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	--	43.8	14.0	23.7
1,2,3,7,8,9-Hexachlorodibenzofuran	--	1.82 J	Not Detected	1.62 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	--	41.9	11.3	19.8
1,2,3,7,8-Pentachlorodibenzofuran	--	135 J	16.0 J	35.2 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	--	6.21	1.80 J	4.02 J
2,3,4,6,7,8-Hexachlorodibenzofuran	--	6.76	4.30 J	10.2
2,3,4,7,8-Pentachlorodibenzofuran	--	6.34 J	3.02 J	7.34 J
2,3,7,8-Tetrachlorodibenzofuran	--	1.76	1.35	3.35
2,3,7,8-Tetrachlorodibenzo-p-dioxin	4.8	0.553 J	Not Detected	0.419 J
Octachlorodibenzofuran	--	880	354	526
Octachlorodibenzo-p-dioxin	--	82300	9910	16200
Dioxin/furan TCDD toxicity equivalent (WHO 2005, ND = RL)	48	70	20 J	36 J

Notes:

 - result detected above the EPA residential screening level

Bold - result detected above the method detection limit

-- no EPA residential screening level available

Not Detected - the parameter was not detected above the method detection limit

- result did not meet data quality criteria approved by EPA

EPA Residential Site-Specific Screening Level for Dioxins and Furans Toxic Equivalency (September 2023).

The last row of the table shows the upper bound toxic equivalency (TEQ) of the sample. The TEQ is calculated by multiplying the measured concentration of each parameter with a toxic equivalency factor (TEF) set by the World Health Organization (WHO) in 2005. The Dioxin/furan TEQ is calculated by adding each of the parameter-specific TEQ values together.

ng/kg - nanograms per kilogram

EPA - United States Environmental Protection Agency

J - estimated value

ND - Non-Detect

RL - Reporting Limit


TEQ - toxic equivalency

WHO - World Health Organization

TABLE 1
Summary of Soil Sample Results - Dioxins and Furans
Boyce-Dorian Park, Houston, Texas

Parameter	EPA Residential Screening Level	Location ID	OFFSS-004	OFFSS-004	OFFSS-005
		Sample ID	OFFSS-004-0-2-C-SS-20240605-SV	OFFSS-004-2-6-C-SH-20240605-SV	OFFSS-005-0-2-C-SS-20240606-SV
		Sample Date	6/5/2024	6/5/2024	6/6/2024
		Depth Range (inches)	0 - 2	2 - 6	0 - 2
Dioxins and Furans (ng/kg) - E1613					
1,2,3,4,6,7,8-Heptachlorodibenzofuran	--		24.4	67.3	5.84
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	--		124	446	34.1
1,2,3,4,7,8,9-Heptachlorodibenzofuran	--		1.06 J	2.70 J	Not Detected
1,2,3,4,7,8-Hexachlorodibenzofuran	--		1.03 J	3.59 J	Not Detected
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	--		Not Detected	4.05	Not Detected
1,2,3,6,7,8-Hexachlorodibenzofuran	--		Not Detected	2.47 J	Not Detected
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	--		2.15 J	7.42	Not Detected
1,2,3,7,8,9-Hexachlorodibenzofuran	--		Not Detected	Not Detected	Not Detected
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	--		1.49 J	6.27	Not Detected
1,2,3,7,8-Pentachlorodibenzofuran	--		7.33 J	11.5 J	Not Detected
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	--		Not Detected	1.10 J	Not Detected
2,3,4,6,7,8-Hexachlorodibenzofuran	--		1.39 J	2.64 J	Not Detected
2,3,4,7,8-Pentachlorodibenzofuran	--		Not Detected	2.14 J	Not Detected
2,3,7,8-Tetrachlorodibenzofuran	--		0.340 J	0.771	Not Detected
2,3,7,8-Tetrachlorodibenzo-p-dioxin	4.8		Not Detected	Not Detected	Not Detected
Octachlorodibenzofuran	--		65.9	206	17.0
Octachlorodibenzo-p-dioxin	--		1840	5920	483
Dioxin/furan TCDD toxicity equivalent (WHO 2005, ND = RL)	48		4.6 J	12 J	2.6

Notes:

 - result detected above the EPA residential screening level

Bold - result detected above the method detection limit

-- no EPA residential screening level available

Not Detected - the parameter was not detected above the method detection limit

- result did not meet data quality criteria approved by EPA

EPA Residential Site-Specific Screening Level for Dioxins and Furans Toxic Equivalency (September 2023).

The last row of the table shows the upper bound toxic equivalency (TEQ) of the sample. The TEQ is calculated by multiplying the measured concentration of each parameter with a toxic equivalency factor (TEF) set by the World Health Organization (WHO) in 2005. The Dioxin/furan TEQ is calculated by adding each of the parameter-specific TEQ values together.

ng/kg - nanograms per kilogram

EPA - United States Environmental Protection Agency

J - estimated value

ND - Non-Detect

RL - Reporting Limit


TEQ - toxic equivalency

WHO - World Health Organization

TABLE 1
Summary of Soil Sample Results - Dioxins and Furans
Boyce-Dorian Park, Houston, Texas

	Location ID Sample ID Sample Date Depth Range (inches)	OFFSS-005 OFFSS-005-2-6-C-SH-20240606-SV 6/6/2024 2 - 6	OFFSS-006 OFFSS-006-0-2-C-SS-20240611-SV 6/11/2024 0 - 2	OFFSS-006 OFFSS-006-0-2-C-SS-20240619-SV 6/19/2024 0 - 2
Parameter	EPA Residential Screening Level			
Dioxins and Furans (ng/kg) - E1613				
1,2,3,4,6,7,8-Heptachlorodibenzofuran	--	281	16.7	9.03
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	--	2660	442	357
1,2,3,4,7,8,9-Heptachlorodibenzofuran	--	12.8	Not Detected	Not Detected
1,2,3,4,7,8-Hexachlorodibenzofuran	--	8.54 J	2.05 J	0.945 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	--	21.6	4.82	3.98 J
1,2,3,6,7,8-Hexachlorodibenzofuran	--	5.93	2.86 J	1.65 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	--	44.9	6.70	4.99
1,2,3,7,8,9-Hexachlorodibenzofuran	--	1.57 J	Not Detected	Not Detected
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	--	37.7	8.68	7.26
1,2,3,7,8-Pentachlorodibenzofuran	--	35.0 J	12.8 J	0.585 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	--	5.83	1.03 J	1.05 J
2,3,4,6,7,8-Hexachlorodibenzofuran	--	7.43	4.99	1.41 J
2,3,4,7,8-Pentachlorodibenzofuran	--	4.36 J	5.11	1.35 J
2,3,7,8-Tetrachlorodibenzofuran	--	1.67	2.28	Not Detected
2,3,7,8-Tetrachlorodibenzo-p-dioxin	4.8	0.492 J	Not Detected	Not Detected
Octachlorodibenzofuran	--	1060	34.4	16.8
Octachlorodibenzo-p-dioxin	--	34700	61100	38800
Dioxin/furan TCDD toxicity equivalent (WHO 2005, ND = RL)	48	62	29	19 J

Notes:

 - result detected above the EPA residential screening level

Bold - result detected above the method detection limit

-- no EPA residential screening level available

Not Detected - the parameter was not detected above the method detection limit

- result did not meet data quality criteria approved by EPA

EPA Residential Site-Specific Screening Level for Dioxins and Furans Toxic Equivalency (September 2023).

The last row of the table shows the upper bound toxic equivalency (TEQ) of the sample. The TEQ is calculated by multiplying the measured concentration of each parameter with a toxic equivalency factor (TEF) set by the World Health Organization (WHO) in 2005. The Dioxin/furan TEQ is calculated by adding each of the parameter-specific TEQ values together.

ng/kg - nanograms per kilogram

EPA - United States Environmental Protection Agency

J - estimated value

ND - Non-Detect

RL - Reporting Limit


TEQ - toxic equivalency

WHO - World Health Organization

TABLE 1
Summary of Soil Sample Results - Dioxins and Furans
Boyce-Dorian Park, Houston, Texas

	Location ID Sample ID Sample Date Depth Range (inches)	OFFSS-006 OFFSS-006-2-6-C-SH-20240611-SV 6/11/2024 2 - 6	OFFSS-006 OFFSS-006-2-6-C-SH-20240619-SV 6/19/2024 2 - 6	OFFSS-007 OFFSS-007-0-2-C-SS-20240619-SV 6/19/2024 0 - 2
Parameter	EPA Residential Screening Level			
Dioxins and Furans (ng/kg) - E1613				
1,2,3,4,6,7,8-Heptachlorodibenzofuran	--	23.0	24.4	15.6
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	--	530	709	375
1,2,3,4,7,8,9-Heptachlorodibenzofuran	--	1.09 J	Not Detected	Not Detected
1,2,3,4,7,8-Hexachlorodibenzofuran	--	2.32 J	2.10 J	1.07 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	--	5.71	6.50	4.07 J
1,2,3,6,7,8-Hexachlorodibenzofuran	--	3.55 J	6.67	1.56 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	--	7.79	9.91	6.19
1,2,3,7,8,9-Hexachlorodibenzofuran	--	Not Detected	Not Detected	Not Detected
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	--	10.9	20.7	8.11
1,2,3,7,8-Pentachlorodibenzofuran	--	9.53 J	1.19 J	0.615 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	--	2.10 J	1.64 J	1.27 J
2,3,4,6,7,8-Hexachlorodibenzofuran	--	4.59	5.26	1.40 J
2,3,4,7,8-Pentachlorodibenzofuran	--	6.96	6.71	1.23 J
2,3,7,8-Tetrachlorodibenzofuran	--	2.88	2.66	1.25
2,3,7,8-Tetrachlorodibenzo-p-dioxin	4.8	Not Detected	Not Detected	Not Detected
Octachlorodibenzofuran	--	50.4	37.9	30.4
Octachlorodibenzo-p-dioxin	--	73900	106000	45800
Dioxin/furan TCDD toxicity equivalent (WHO 2005, ND = RL)	48	36	49	22 J

Notes:

 - result detected above the EPA residential screening level

Bold - result detected above the method detection limit

-- no EPA residential screening level available

Not Detected - the parameter was not detected above the method detection limit

- result did not meet data quality criteria approved by EPA

EPA Residential Site-Specific Screening Level for Dioxins and Furans Toxic Equivalency (September 2023).

The last row of the table shows the upper bound toxic equivalency (TEQ) of the sample. The TEQ is calculated by multiplying the measured concentration of each parameter with a toxic equivalency factor (TEF) set by the World Health Organization (WHO) in 2005. The Dioxin/furan TEQ is calculated by adding each of the parameter-specific TEQ values together.

ng/kg - nanograms per kilogram

EPA - United States Environmental Protection Agency

J - estimated value

ND - Non-Detect

RL - Reporting Limit


TEQ - toxic equivalency

WHO - World Health Organization

TABLE 1
Summary of Soil Sample Results - Dioxins and Furans
Boyce-Dorian Park, Houston, Texas

	Location ID Sample ID Sample Date Depth Range (inches)	OFFSS-007 OFFSS-007-2-6-C-SH-20240619-SV 6/19/2024 2 - 6	OFFSS-007 OFFSS-007-6-12-C-SH-20240619-SV 6/19/2024 6 - 12
Parameter	EPA Residential Screening Level		
Dioxins and Furans (ng/kg) - E1613			
1,2,3,4,6,7,8-Heptachlorodibenzofuran	--	8.63	7.93
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	--	326	454
1,2,3,4,7,8,9-Heptachlorodibenzofuran	--	Not Detected	Not Detected
1,2,3,4,7,8-Hexachlorodibenzofuran	--	Not Detected	Not Detected
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	--	3.04 J	3.10 J
1,2,3,6,7,8-Hexachlorodibenzofuran	--	1.06 J	1.14 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	--	3.84 J	4.47 J
1,2,3,7,8,9-Hexachlorodibenzofuran	--	Not Detected	Not Detected
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	--	5.48	13.7
1,2,3,7,8-Pentachlorodibenzofuran	--	Not Detected	Not Detected
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	--	Not Detected	Not Detected
2,3,4,6,7,8-Hexachlorodibenzofuran	--	0.945 J	Not Detected
2,3,4,7,8-Pentachlorodibenzofuran	--	Not Detected	Not Detected
2,3,7,8-Tetrachlorodibenzofuran	--	0.694 J	0.337 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin	4.8	Not Detected	Not Detected
Octachlorodibenzofuran	--	19.8	14.8
Octachlorodibenzo-p-dioxin	--	69400	81700
Dioxin/furan TCDD toxicity equivalent (WHO 2005, ND = RL)	48	27	33

Notes:

 - result detected above the EPA residential screening level

Bold - result detected above the method detection limit

-- no EPA residential screening level available

Not Detected - the parameter was not detected above the method detection limit

- result did not meet data quality criteria approved by EPA

EPA Residential Site-Specific Screening Level for Dioxins and Furans Toxic Equivalency (September 2023).

The last row of the table shows the upper bound toxic equivalency (TEQ) of the sample. The TEQ is calculated by multiplying the measured concentration of each parameter with a toxic equivalency factor (TEF) set by the World Health Organization (WHO) in 2005. The Dioxin/furan TEQ is calculated by adding each of the parameter-specific TEQ values together.

ng/kg - nanograms per kilogram

EPA - United States Environmental Protection Agency

J - estimated value

ND - Non-Detect

RL - Reporting Limit

TEQ - toxic equivalency

WHO - World Health Organization

TABLE 2
Summary of Soil Sample Results - Polycyclic Aromatic Hydrocarbons and Semi-Volatile Organic Compounds
Boyce-Dorian Park, Houston, Texas

	Location ID Sample ID Sample Date Depth Range (inches)	OFFSS-001 OFFSS-001-0-2-C-SS-20240605 6/5/2024 0 - 2	OFFSS-001 OFFSS-001-2-6-C-SH-20240605 6/5/2024 2 - 6
Parameter	EPA Residential Screening Level		
Polycyclic Aromatic Hydrocarbons (mg/kg) - SW8270ESIM			
1-Methylnaphthalene	18	Not Detected	Not Detected
2-Chloronaphthalene	480	Not Detected	Not Detected
2-Methylnaphthalene	24	Not Detected	Not Detected
Acenaphthene	360	Not Detected	Not Detected
Acenaphthylene	--	Not Detected	Not Detected
Anthracene	1800	Not Detected	Not Detected
Benzo(a)anthracene	1.1	0.0196	0.00597 J
Benzo(a)pyrene	0.11	0.0196	0.00682 J
Benzo(b)fluoranthene	1.1	0.0312	0.0112
Benzo(g,h,i)perylene	--	0.0173	0.00693 J
Benzo(k)fluoranthene	11	0.0122	0.00388 J
Chrysene	110	0.0270	0.00788
Dibenz(a,h)anthracene	0.11	0.00511 J	Not Detected
Fluoranthene	240	0.0506	0.0133
Fluorene	240	Not Detected	Not Detected
Indeno(1,2,3-c,d)pyrene	1.1	0.0194	0.00616 J
Naphthalene	2	Not Detected	Not Detected
Phenanthrene	--	0.0243	0.00485 J
Pyrene	180	0.0340	0.0107
Semi-Volatile Organic Compounds (mg/kg) - SW8270E			
1,2,4-Trichlorobenzene	5.8	Not Detected	Not Detected
1,2-Dichlorobenzene	180	Not Detected	Not Detected
1,3-Dichlorobenzene	--	Not Detected	Not Detected
1,4-Dichlorobenzene	2.6	Not Detected	Not Detected
2,4,6-Trichlorophenol	6.3	Not Detected	Not Detected
2,4-Dichlorophenol	19	Not Detected	Not Detected
2,4-Dimethylphenol	130	Not Detected	Not Detected
2,4-Dinitrophenol	13	Not Detected	Not Detected
2,4-Dinitrotoluene	1.7	Not Detected	Not Detected
2,6-Dinitrotoluene	0.36	Not Detected	Not Detected
2-Chloronaphthalene	480	Not Detected	Not Detected
2-Chlorophenol	39.00	Not Detected	Not Detected
2-Nitrophenol	--	Not Detected	Not Detected
3,3'-Dichlorobenzidine	1.20	Not Detected	Not Detected
4,6-Dinitro-2-methylphenol	0.51	Not Detected	Not Detected
4-Bromophenyl phenyl ether	--	Not Detected	Not Detected
4-Chloro-3-methylphenol	630	Not Detected	Not Detected
4-Chlorophenyl phenyl ether	--	Not Detected	Not Detected
4-Nitrophenol	--	Not Detected	Not Detected
Acenaphthene	360	Not Detected	Not Detected
Acenaphthylene	--	Not Detected	Not Detected
Anthracene	1800	Not Detected	Not Detected
Benzidine	0.00053	Not Detected	Not Detected
Benzo(a)anthracene	1.1	0.0262 J	0.0263 J
Benzo(a)pyrene	0.11	0.0276 J	0.0249 J
Benzo(b)fluoranthene	1.1	0.0426 J	0.0395 J
Benzo(g,h,i)perylene	--	Not Detected	Not Detected
Benzo(k)fluoranthene	11	Not Detected	Not Detected
Benzyl butyl phthalate	290	Not Detected	Not Detected
Bis(2-Chloroethoxy) methane	19	Not Detected	Not Detected
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	0.23	Not Detected	Not Detected
Bis(2-Chloroisopropyl) ether	310	Not Detected	Not Detected
Bis(2-Ethylhexyl) phthalate	39	Not Detected	Not Detected
Chrysene	110	0.0233 J	0.0227 J
Dibenz(a,h)anthracene	0.11	Not Detected	Not Detected
Diethyl phthalate	5100	Not Detected	Not Detected
Dimethyl phthalate	--	Not Detected	Not Detected
di-n-Butyl phthalate	630	Not Detected	Not Detected
di-n-Octylphthalate	63	Not Detected	Not Detected
Fluoranthene	240	0.0517 J	0.0494 J
Fluorene	240	Not Detected	Not Detected
Hexachlorobenzene	0.078	Not Detected	Not Detected
Hexachlorobutadiene	1.2	Not Detected	Not Detected
Hexachlorocyclopentadiene	0.18	Not Detected	Not Detected
Hexachloroethane	1.8	Not Detected	Not Detected
Indeno(1,2,3-c,d)pyrene	1.1	Not Detected	Not Detected
Isophorone	570	Not Detected	Not Detected
Naphthalene	2	Not Detected	Not Detected
Nitrobenzene	5.1	Not Detected	Not Detected
N-Nitrosodimethylamine	0.002	Not Detected	Not Detected
N-Nitrosodi-n-propylamine	0.078	Not Detected	Not Detected
N-Nitrosodiphenylamine	110	Not Detected	Not Detected
Pentachlorophenol	1	Not Detected	Not Detected
Phenanthrene	--	0.0225 J	0.0188 J
Phenol	1900	Not Detected	Not Detected
Pyrene	180	0.0445 J	0.0425 J

Notes:

 - result detected above the EPA residential screening level

Bold - result detected above the method detection limit

-- no EPA residential screening level available

Not Detected - the parameter was not detected above the method detection limit

- result did not meet data quality criteria approved by EPA

Residential Regional Screening Level Concentrations obtained from "U.S. EPA Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=0.1) November 2024", available at <https://semspub.epa.gov/work/HQ/405271.pdf> and accessed January 2025.

EPA - United States Environmental Protection Agency

mg/kg - milligrams per kilogram

HQ - hazard quotient

J - estimated value

TR - target risk

TABLE 2
Summary of Soil Sample Results - Polycyclic Aromatic Hydrocarbons and Semi-Volatile Organic Compounds
Boyce-Dorian Park, Houston, Texas

	Location ID Sample ID Sample Date Depth Range (inches)	OFFSS-002 OFFSS-002-0-2-C-SS-20240605 6/5/2024 0 - 2	OFFSS-002 OFFSS-002-2-6-C-SH-20240605 6/5/2024 2 - 6
Parameter	EPA Residential Screening Level		
Polycyclic Aromatic Hydrocarbons (mg/kg) - SW8270ESIM			
1-Methylnaphthalene	18	Not Detected	Not Detected
2-Chloronaphthalene	480	Not Detected	Not Detected
2-Methylnaphthalene	24	Not Detected	Not Detected
Acenaphthene	360	0.0302	0.0344
Acenaphthylene	--	0.00643 J	0.00690 J
Anthracene	1800	0.0909	0.0970
Benzo(a)anthracene	1.1	0.763	0.734
Benzo(a)pyrene	0.11	0.753	0.695
Benzo(b)fluoranthene	1.1	1.13	1.01
Benzo(g,h,i)perylene	--	0.571	0.554
Benzo(k)fluoranthene	11	0.423	0.396
Chrysene	110	0.951	0.811
Dibenz(a,h)anthracene	0.11	0.188	0.187
Fluoranthene	240	1.72	1.62
Fluorene	240	0.0257	0.0319
Indeno(1,2,3-c,d)pyrene	1.1	0.704	0.686
Naphthalene	2	Not Detected	Not Detected
Phenanthrene	--	0.667	0.635
Pyrene	180	1.04	0.961
Semi-Volatile Organic Compounds (mg/kg) - SW8270E			
1,2,4-Trichlorobenzene	5.8	Not Detected	Not Detected
1,2-Dichlorobenzene	180	Not Detected	Not Detected
1,3-Dichlorobenzene	--	Not Detected	Not Detected
1,4-Dichlorobenzene	2.6	Not Detected	Not Detected
2,4,6-Trichlorophenol	6.3	Not Detected	Not Detected
2,4-Dichlorophenol	19	Not Detected	Not Detected
2,4-Dimethylphenol	130	Not Detected	Not Detected
2,4-Dinitrophenol	13	Not Detected	Not Detected
2,4-Dinitrotoluene	1.7	Not Detected	Not Detected
2,6-Dinitrotoluene	0.36	Not Detected	Not Detected
2-Chloronaphthalene	480	Not Detected	Not Detected
2-Chlorophenol	39.00	Not Detected	Not Detected
2-Nitrophenol	--	Not Detected	Not Detected
3,3'-Dichlorobenzidine	1.20	Not Detected	Not Detected
4,6-Dinitro-2-methylphenol	0.51	Not Detected	Not Detected
4-Bromophenyl phenyl ether	--	Not Detected	Not Detected
4-Chloro-3-methylphenol	630	Not Detected	Not Detected
4-Chlorophenyl phenyl ether	--	Not Detected	Not Detected
4-Nitrophenol	--	Not Detected	Not Detected
Acenaphthene	360	Not Detected	0.0194 J
Acenaphthylene	--	Not Detected	Not Detected
Anthracene	1800	0.0370 J	0.0610 J
Benzidine	0.00053	Not Detected	Not Detected
Benzo(a)anthracene	1.1	0.413	0.653
Benzo(a)pyrene	0.11	0.475	0.766
Benzo(b)fluoranthene	1.1	0.884	1.38
Benzo(g,h,i)perylene	--	0.173	0.319
Benzo(k)fluoranthene	11	0.282	0.464
Benzyl butyl phthalate	290	Not Detected	Not Detected
Bis(2-Chloroethoxy) methane	19	Not Detected	Not Detected
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	0.23	Not Detected	Not Detected
Bis(2-Chloroisopropyl) ether	310	Not Detected	Not Detected
Bis(2-Ethylhexyl) phthalate	39	Not Detected	Not Detected
Chrysene	110	0.557	0.768
Dibenz(a,h)anthracene	0.11	0.0562 J	0.0968
Diethyl phthalate	5100	Not Detected	Not Detected
Dimethyl phthalate	--	Not Detected	Not Detected
di-n-Butyl phthalate	630	Not Detected	Not Detected
di-n-Octylphthalate	63	Not Detected	Not Detected
Fluoranthene	240	0.863	1.33
Fluorene	240	Not Detected	0.0171 J
Hexachlorobenzene	0.078	Not Detected	Not Detected
Hexachlorobutadiene	1.2	Not Detected	Not Detected
Hexachlorocyclopentadiene	0.18	Not Detected	Not Detected
Hexachloroethane	1.8	Not Detected	Not Detected
Indeno(1,2,3-c,d)pyrene	1.1	0.216	0.387
Isophorone	570	Not Detected	Not Detected
Naphthalene	2	Not Detected	Not Detected
Nitrobenzene	5.1	Not Detected	Not Detected
N-Nitrosodimethylamine	0.002	Not Detected	Not Detected
N-Nitrosodi-n-propylamine	0.078	Not Detected	Not Detected
N-Nitrosodiphenylamine	110	Not Detected	Not Detected
Pentachlorophenol	1	Not Detected	Not Detected
Phenanthrene	--	0.315	0.463
Phenol	1900	Not Detected	Not Detected
Pyrene	180	0.717	1.10

Notes:

 - result detected above the EPA residential screening level

Bold - result detected above the method detection limit

-- no EPA residential screening level available

Not Detected - the parameter was not detected above the method detection limit

- result did not meet data quality criteria approved by EPA

Residential Regional Screening Level Concentrations obtained from "U.S. EPA Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=0.1) November 2024", available at <https://semspub.epa.gov/work/HQ/405271.pdf> and accessed January 2025.

EPA - United States Environmental Protection Agency

mg/kg - milligrams per kilogram

HQ - hazard quotient

J - estimated value

TR - target risk

TABLE 2
Summary of Soil Sample Results - Polycyclic Aromatic Hydrocarbons and Semi-Volatile Organic Compounds
Boyce-Dorian Park, Houston, Texas

	Location ID Sample ID Sample Date Depth Range (inches)	OFFSS-003 OFFSS-003-0-2-C-SS-20240605 6/5/2024 0 - 2	OFFSS-003 OFFSS-003-2-6-C-SH-20240605 6/5/2024 2 - 6
Parameter	EPA Residential Screening Level		
Polycyclic Aromatic Hydrocarbons (mg/kg) - SW8270ESIM			
1-Methylnaphthalene	18	Not Detected	Not Detected
2-Chloronaphthalene	480	Not Detected	Not Detected
2-Methylnaphthalene	24	Not Detected	Not Detected
Acenaphthene	360	Not Detected	Not Detected
Acenaphthylene	--	Not Detected	Not Detected
Anthracene	1800	0.0129	Not Detected
Benzo(a)anthracene	1.1	0.168	0.0260
Benzo(a)pyrene	0.11	0.120	0.0247
Benzo(b)fluoranthene	1.1	0.157	0.0335
Benzo(g,h,i)perylene	--	0.0714	Not Detected
Benzo(k)fluoranthene	11	0.0566	0.0117
Chrysene	110	0.136	0.0217
Dibenz(a,h)anthracene	0.11	Not Detected	Not Detected
Fluoranthene	240	0.274	0.0360
Fluorene	240	Not Detected	Not Detected
Indeno(1,2,3-c,d)pyrene	1.1	0.0851	0.0188
Naphthalene	2	Not Detected	Not Detected
Phenanthrene	--	0.0352	0.00887
Pyrene	180	0.192	0.0264
Semi-Volatile Organic Compounds (mg/kg) - SW8270E			
1,2,4-Trichlorobenzene	5.8	-	Not Detected
1,2-Dichlorobenzene	180	-	Not Detected
1,3-Dichlorobenzene	--	-	Not Detected
1,4-Dichlorobenzene	2.6	-	Not Detected
2,4,6-Trichlorophenol	6.3	Not Detected	Not Detected
2,4-Dichlorophenol	19	Not Detected	Not Detected
2,4-Dimethylphenol	130	Not Detected	Not Detected
2,4-Dinitrophenol	13	-	Not Detected
2,4-Dinitrotoluene	1.7	Not Detected	Not Detected
2,6-Dinitrotoluene	0.36	Not Detected	Not Detected
2-Chloronaphthalene	480	Not Detected	Not Detected
2-Chlorophenol	39.00	Not Detected	Not Detected
2-Nitrophenol	--	Not Detected	Not Detected
3,3'-Dichlorobenzidine	1.20	Not Detected	Not Detected
4,6-Dinitro-2-methylphenol	0.51	Not Detected	Not Detected
4-Bromophenyl phenyl ether	--	-	Not Detected
4-Chloro-3-methylphenol	630	Not Detected	Not Detected
4-Chlorophenyl phenyl ether	--	-	Not Detected
4-Nitrophenol	--	Not Detected	Not Detected
Acenaphthene	360	Not Detected	Not Detected
Acenaphthylene	--	Not Detected	Not Detected
Anthracene	1800	Not Detected	Not Detected
Benzidine	0.00053	-	Not Detected
Benzo(a)anthracene	1.1	Not Detected	Not Detected
Benzo(a)pyrene	0.11	Not Detected	Not Detected
Benzo(b)fluoranthene	1.1	Not Detected	Not Detected
Benzo(g,h,i)perylene	--	Not Detected	Not Detected
Benzo(k)fluoranthene	11	Not Detected	Not Detected
Benzyl butyl phthalate	290	-	Not Detected
Bis(2-Chloroethoxy) methane	19	Not Detected	Not Detected
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	0.23	-	Not Detected
Bis(2-Chloroisopropyl) ether	310	-	Not Detected
Bis(2-Ethylhexyl) phthalate	39	-	Not Detected
Chrysene	110	Not Detected	Not Detected
Dibenz(a,h)anthracene	0.11	-	Not Detected
Diethyl phthalate	5100	Not Detected	Not Detected
Dimethyl phthalate	--	Not Detected	Not Detected
di-n-Butyl phthalate	630	-	Not Detected
di-n-Octylphthalate	63	-	Not Detected
Fluoranthene	240	Not Detected	Not Detected
Fluorene	240	Not Detected	Not Detected
Hexachlorobenzene	0.078	-	Not Detected
Hexachlorobutadiene	1.2	-	Not Detected
Hexachlorocyclopentadiene	0.18	-	Not Detected
Hexachloroethane	1.8	-	Not Detected
Indeno(1,2,3-c,d)pyrene	1.1	-	Not Detected
Isophorone	570	Not Detected	Not Detected
Naphthalene	2	-	Not Detected
Nitrobenzene	5.1	-	Not Detected
N-Nitrosodimethylamine	0.002	-	Not Detected
N-Nitrosodi-n-propylamine	0.078	Not Detected	Not Detected
N-Nitrosodiphenylamine	110	-	Not Detected
Pentachlorophenol	1	Not Detected	Not Detected
Phenanthrene	--	Not Detected	Not Detected
Phenol	1900	Not Detected	Not Detected
Pyrene	180	Not Detected	Not Detected

Notes:

- result detected above the EPA residential screening level

Bold - result detected above the method detection limit

-- no EPA residential screening level available

Not Detected - the parameter was not detected above the method detection limit

- result did not meet data quality criteria approved by EPA

Residential Regional Screening Level Concentrations obtained from "U.S. EPA Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=0.1) November 2024", available at <https://semspub.epa.gov/work/HQ/405271.pdf> and accessed January 2025.

EPA - United States Environmental Protection Agency

mg/kg - milligrams per kilogram

HQ - hazard quotient

J - estimated value

TR - target risk

TABLE 2
Summary of Soil Sample Results - Polycyclic Aromatic Hydrocarbons and Semi-Volatile Organic Compounds
Boyce-Dorian Park, Houston, Texas

	Location ID Sample ID Sample Date Depth Range (inches)	OFFSS-004 OFFSS-004-0-2-C-SS-20240605 6/5/2024 0 - 2	OFFSS-004 OFFSS-004-2-6-C-SH-20240605 6/5/2024 2 - 6
Parameter	EPA Residential Screening Level		
Polycyclic Aromatic Hydrocarbons (mg/kg) - SW8270ESIM			
1-Methylnaphthalene	18	Not Detected	Not Detected
2-Chloronaphthalene	480	Not Detected	Not Detected
2-Methylnaphthalene	24	Not Detected	Not Detected
Acenaphthene	360	Not Detected	Not Detected
Acenaphthylene	--	Not Detected	Not Detected
Anthracene	1800	Not Detected	0.00420 J
Benzo(a)anthracene	1.1	0.0147	0.0360
Benzo(a)pyrene	0.11	0.0133	0.0332
Benzo(b)fluoranthene	1.1	0.0197	0.0471
Benzo(g,h,i)perylene	--	0.0108	0.0260
Benzo(k)fluoranthene	11	0.00678 J	0.0184
Chrysene	110	0.0128	0.0425
Dibenz(a,h)anthracene	0.11	0.00275 J	0.00726 J
Fluoranthene	240	0.0259	0.0801
Fluorene	240	Not Detected	Not Detected
Indeno(1,2,3-c,d)pyrene	1.1	0.0120	0.0294
Naphthalene	2	Not Detected	Not Detected
Phenanthrene	--	0.00764 J	0.0252
Pyrene	180	0.0190	0.0533
Semi-Volatile Organic Compounds (mg/kg) - SW8270E			
1,2,4-Trichlorobenzene	5.8	Not Detected	Not Detected
1,2-Dichlorobenzene	180	Not Detected	Not Detected
1,3-Dichlorobenzene	--	Not Detected	Not Detected
1,4-Dichlorobenzene	2.6	Not Detected	Not Detected
2,4,6-Trichlorophenol	6.3	Not Detected	Not Detected
2,4-Dichlorophenol	19	Not Detected	Not Detected
2,4-Dimethylphenol	130	Not Detected	Not Detected
2,4-Dinitrophenol	13	Not Detected	Not Detected
2,4-Dinitrotoluene	1.7	Not Detected	Not Detected
2,6-Dinitrotoluene	0.36	Not Detected	Not Detected
2-Chloronaphthalene	480	Not Detected	Not Detected
2-Chlorophenol	39.00	Not Detected	Not Detected
2-Nitrophenol	--	Not Detected	Not Detected
3,3'-Dichlorobenzidine	1.20	Not Detected	Not Detected
4,6-Dinitro-2-methylphenol	0.51	Not Detected	Not Detected
4-Bromophenyl phenyl ether	--	Not Detected	Not Detected
4-Chloro-3-methylphenol	630	Not Detected	Not Detected
4-Chlorophenyl phenyl ether	--	Not Detected	Not Detected
4-Nitrophenol	--	Not Detected	Not Detected
Acenaphthene	360	Not Detected	Not Detected
Acenaphthylene	--	Not Detected	Not Detected
Anthracene	1800	Not Detected	Not Detected
Benzidine	0.00053	Not Detected	Not Detected
Benzo(a)anthracene	1.1	Not Detected	Not Detected
Benzo(a)pyrene	0.11	Not Detected	Not Detected
Benzo(b)fluoranthene	1.1	Not Detected	Not Detected
Benzo(g,h,i)perylene	--	Not Detected	Not Detected
Benzo(k)fluoranthene	11	Not Detected	Not Detected
Benzyl butyl phthalate	290	Not Detected	Not Detected
Bis(2-Chloroethoxy) methane	19	Not Detected	Not Detected
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	0.23	Not Detected	Not Detected
Bis(2-Chloroisopropyl) ether	310	Not Detected	Not Detected
Bis(2-Ethylhexyl) phthalate	39	Not Detected	Not Detected
Chrysene	110	Not Detected	Not Detected
Dibenz(a,h)anthracene	0.11	Not Detected	Not Detected
Diethyl phthalate	5100	Not Detected	Not Detected
Dimethyl phthalate	--	Not Detected	Not Detected
di-n-Butyl phthalate	630	Not Detected	Not Detected
di-n-Octylphthalate	63	Not Detected	Not Detected
Fluoranthene	240	Not Detected	Not Detected
Fluorene	240	Not Detected	Not Detected
Hexachlorobenzene	0.078	Not Detected	Not Detected
Hexachlorobutadiene	1.2	Not Detected	Not Detected
Hexachlorocyclopentadiene	0.18	Not Detected	Not Detected
Hexachloroethane	1.8	Not Detected	Not Detected
Indeno(1,2,3-c,d)pyrene	1.1	Not Detected	Not Detected
Isophorone	570	Not Detected	Not Detected
Naphthalene	2	Not Detected	Not Detected
Nitrobenzene	5.1	Not Detected	Not Detected
N-Nitrosodimethylamine	0.002	Not Detected	Not Detected
N-Nitrosodi-n-propylamine	0.078	Not Detected	Not Detected
N-Nitrosodiphenylamine	110	Not Detected	Not Detected
Pentachlorophenol	1	Not Detected	Not Detected
Phenanthrene	--	Not Detected	Not Detected
Phenol	1900	Not Detected	Not Detected
Pyrene	180	Not Detected	Not Detected

Notes:

- result detected above the EPA residential screening level

Bold - result detected above the method detection limit

-- no EPA residential screening level available

Not Detected - the parameter was not detected above the method detection limit

- result did not meet data quality criteria approved by EPA

Residential Regional Screening Level Concentrations obtained from "U.S. EPA Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=0.1) November 2024", available at <https://semspub.epa.gov/work/HQ/405271.pdf> and accessed January 2025.

EPA - United States Environmental Protection Agency

mg/kg - milligrams per kilogram

HQ - hazard quotient

J - estimated value

TR - target risk

TABLE 2
Summary of Soil Sample Results - Polycyclic Aromatic Hydrocarbons and Semi-Volatile Organic Compounds
Boyce-Dorian Park, Houston, Texas

	Location ID Sample ID Sample Date Depth Range (inches)	OFFSS-005 OFFSS-005-0-2-C-SS-20240606 6/6/2024 0 - 2	OFFSS-005 OFFSS-005-2-6-C-SH-20240606 6/6/2024 2 - 6
Parameter	EPA Residential Screening Level		
Polycyclic Aromatic Hydrocarbons (mg/kg) - SW8270ESIM			
1-Methylnaphthalene	18	Not Detected	Not Detected
2-Chloronaphthalene	480	Not Detected	Not Detected
2-Methylnaphthalene	24	Not Detected	Not Detected
Acenaphthene	360	0.00481 J	0.00635 J
Acenaphthylene	--	0.00785 J	0.0152
Anthracene	1800	0.0351	0.0714
Benzo(a)anthracene	1.1	0.507	1.34
Benzo(a)pyrene	0.11	0.343	0.987
Benzo(b)fluoranthene	1.1	0.560	1.50
Benzo(g,h,i)perylene	--	0.199	0.533
Benzo(k)fluoranthene	11	0.209	0.527
Chrysene	110	0.408	1.00
Dibenz(a,h)anthracene	0.11	0.0560	0.159
Fluoranthene	240	0.889	2.33
Fluorene	240	0.00281 J	0.00442 J
Indeno(1,2,3-c,d)pyrene	1.1	0.221	0.615
Naphthalene	2	Not Detected	Not Detected
Phenanthrene	--	0.147	0.277
Pyrene	180	0.612	1.60
Semi-Volatile Organic Compounds (mg/kg) - SW8270E			
1,2,4-Trichlorobenzene	5.8	Not Detected	Not Detected
1,2-Dichlorobenzene	180	Not Detected	Not Detected
1,3-Dichlorobenzene	--	Not Detected	Not Detected
1,4-Dichlorobenzene	2.6	Not Detected	Not Detected
2,4,6-Trichlorophenol	6.3	Not Detected	Not Detected
2,4-Dichlorophenol	19	Not Detected	Not Detected
2,4-Dimethylphenol	130	Not Detected	Not Detected
2,4-Dinitrophenol	13	Not Detected	Not Detected
2,4-Dinitrotoluene	1.7	Not Detected	Not Detected
2,6-Dinitrotoluene	0.36	Not Detected	Not Detected
2-Chloronaphthalene	480	Not Detected	Not Detected
2-Chlorophenol	39.00	Not Detected	Not Detected
2-Nitrophenol	--	Not Detected	Not Detected
3,3'-Dichlorobenzidine	1.20	Not Detected	Not Detected
4,6-Dinitro-2-methylphenol	0.51	Not Detected	Not Detected
4-Bromophenyl phenyl ether	--	Not Detected	Not Detected
4-Chloro-3-methylphenol	630	Not Detected	Not Detected
4-Chlorophenyl phenyl ether	--	Not Detected	Not Detected
4-Nitrophenol	--	Not Detected	Not Detected
Acenaphthene	360	Not Detected	Not Detected
Acenaphthylene	--	Not Detected	Not Detected
Anthracene	1800	Not Detected	0.0935 J
Benzidine	0.00053	-	-
Benzo(a)anthracene	1.1	0.915	1.67
Benzo(a)pyrene	0.11	0.729	1.19
Benzo(b)fluoranthene	1.1	1.28	2.07
Benzo(g,h,i)perylene	--	0.553	0.837
Benzo(k)fluoranthene	11	0.407 J	0.669
Benzyl butyl phthalate	290	Not Detected	Not Detected
Bis(2-Chloroethoxy) methane	19	Not Detected	Not Detected
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	0.23	Not Detected	Not Detected
Bis(2-Chloroisopropyl) ether	310	Not Detected	Not Detected
Bis(2-Ethylhexyl) phthalate	39	Not Detected	Not Detected
Chrysene	110	0.757	1.46
Dibenz(a,h)anthracene	0.11	0.132 J	0.199 J
Diethyl phthalate	5100	Not Detected	Not Detected
Dimethyl phthalate	--	Not Detected	Not Detected
di-n-Butyl phthalate	630	Not Detected	Not Detected
di-n-Octylphthalate	63	Not Detected	Not Detected
Fluoranthene	240	1.47	3.00
Fluorene	240	Not Detected	Not Detected
Hexachlorobenzene	0.078	Not Detected	Not Detected
Hexachlorobutadiene	1.2	Not Detected	Not Detected
Hexachlorocyclopentadiene	0.18	Not Detected	Not Detected
Hexachloroethane	1.8	Not Detected	Not Detected
Indeno(1,2,3-c,d)pyrene	1.1	0.602	0.904
Isophorone	570	Not Detected	Not Detected
Naphthalene	2	Not Detected	Not Detected
Nitrobenzene	5.1	Not Detected	Not Detected
N-Nitrosodimethylamine	0.002	Not Detected	Not Detected
N-Nitrosodi-n-propylamine	0.078	Not Detected	Not Detected
N-Nitrosodiphenylamine	110	Not Detected	Not Detected
Pentachlorophenol	1	Not Detected	Not Detected
Phenanthrene	--	0.224 J	0.543
Phenol	1900	Not Detected	Not Detected
Pyrene	180	1.42	2.71

Notes:

- result detected above the EPA residential screening level

Bold - result detected above the method detection limit

-- no EPA residential screening level available

Not Detected - the parameter was not detected above the method detection limit

- result did not meet data quality criteria approved by EPA

Residential Regional Screening Level Concentrations obtained from "U.S. EPA Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=0.1) November 2024", available at <https://semspub.epa.gov/work/HQ/405271.pdf> and accessed January 2025.

EPA - United States Environmental Protection Agency

mg/kg - milligrams per kilogram

HQ - hazard quotient

J - estimated value

TR - target risk

TABLE 2
Summary of Soil Sample Results - Polycyclic Aromatic Hydrocarbons and Semi-Volatile Organic Compounds
Boyce-Dorian Park, Houston, Texas

	Location ID Sample ID Sample Date Depth Range (inches)	OFFSS-006 OFFSS-006-0-2-C-SS-20240619 6/19/2024 0 - 2	OFFSS-006 OFFSS-006-2-6-C-SH-20240619 6/19/2024 2 - 6
Parameter	EPA Residential Screening Level		
Polycyclic Aromatic Hydrocarbons (mg/kg) - SW8270ESIM			
1-Methylnaphthalene	18	Not Detected	Not Detected
2-Chloronaphthalene	480	Not Detected	Not Detected
2-Methylnaphthalene	24	Not Detected	Not Detected
Acenaphthene	360	0.00305 J	Not Detected
Acenaphthylene	--	0.0345	Not Detected
Anthracene	1800	0.0193	Not Detected
Benzo(a)anthracene	1.1	0.219	0.0118
Benzo(a)pyrene	0.11	0.222	0.0119
Benzo(b)fluoranthene	1.1	0.319 J	0.0185 J
Benzo(g,h,i)perylene	--	0.166	0.00909
Benzo(k)fluoranthene	11	0.123	0.00569 J
Chrysene	110	0.231	0.0129
Dibenz(a,h)anthracene	0.11	0.0405	Not Detected
Fluoranthene	240	0.403	0.0222
Fluorene	240	0.00335 J	Not Detected
Indeno(1,2,3-c,d)pyrene	1.1	0.161	0.00771 J
Naphthalene	2	0.00533 J	Not Detected
Phenanthrene	--	0.0790	0.00632 J
Pyrene	180	0.332	0.0201
Semi-Volatile Organic Compounds (mg/kg) - SW8270E			
1,2,4-Trichlorobenzene	5.8	Not Detected	Not Detected
1,2-Dichlorobenzene	180	Not Detected	Not Detected
1,3-Dichlorobenzene	--	Not Detected	Not Detected
1,4-Dichlorobenzene	2.6	Not Detected	Not Detected
2,4,6-Trichlorophenol	6.3	Not Detected	Not Detected
2,4-Dichlorophenol	19	Not Detected	Not Detected
2,4-Dimethylphenol	130	Not Detected	Not Detected
2,4-Dinitrophenol	13	Not Detected	Not Detected
2,4-Dinitrotoluene	1.7	Not Detected	Not Detected
2,6-Dinitrotoluene	0.36	Not Detected	Not Detected
2-Chloronaphthalene	480	Not Detected	Not Detected
2-Chlorophenol	39.00	Not Detected	Not Detected
2-Nitrophenol	--	Not Detected	Not Detected
3,3'-Dichlorobenzidine	1.20	Not Detected	Not Detected
4,6-Dinitro-2-methylphenol	0.51	Not Detected	Not Detected
4-Bromophenyl phenyl ether	--	Not Detected	Not Detected
4-Chloro-3-methylphenol	630	Not Detected	Not Detected
4-Chlorophenyl phenyl ether	--	Not Detected	Not Detected
4-Nitrophenol	--	Not Detected	Not Detected
Acenaphthene	360	Not Detected	Not Detected
Acenaphthylene	--	Not Detected	Not Detected
Anthracene	1800	0.0354 J	Not Detected
Benzidine	0.00053	Not Detected	Not Detected
Benzo(a)anthracene	1.1	0.246	Not Detected
Benzo(a)pyrene	0.11	0.208	Not Detected
Benzo(b)fluoranthene	1.1	0.315	0.0116 J
Benzo(g,h,i)perylene	--	0.110	Not Detected
Benzo(k)fluoranthene	11	0.111	Not Detected
Benzyl butyl phthalate	290	Not Detected	Not Detected
Bis(2-Chloroethoxy) methane	19	Not Detected	Not Detected
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	0.23	Not Detected	Not Detected
Bis(2-Chloroisopropyl) ether	310	Not Detected	Not Detected
Bis(2-Ethylhexyl) phthalate	39	Not Detected	Not Detected
Chrysene	110	0.229	Not Detected
Dibenz(a,h)anthracene	0.11	0.0343 J	Not Detected
Diethyl phthalate	5100	Not Detected	Not Detected
Dimethyl phthalate	--	Not Detected	Not Detected
di-n-Butyl phthalate	630	Not Detected	Not Detected
di-n-Octylphthalate	63	Not Detected	Not Detected
Fluoranthene	240	0.481	0.0100 J
Fluorene	240	0.0152 J	Not Detected
Hexachlorobenzene	0.078	Not Detected	Not Detected
Hexachlorobutadiene	1.2	Not Detected	Not Detected
Hexachlorocyclopentadiene	0.18	Not Detected	Not Detected
Hexachloroethane	1.8	Not Detected	Not Detected
Indeno(1,2,3-c,d)pyrene	1.1	0.123	Not Detected
Isophorone	570	Not Detected	Not Detected
Naphthalene	2	Not Detected	Not Detected
Nitrobenzene	5.1	Not Detected	Not Detected
N-Nitrosodimethylamine	0.002	Not Detected	Not Detected
N-Nitrosodi-n-propylamine	0.078	Not Detected	Not Detected
N-Nitrosodiphenylamine	110	Not Detected	Not Detected
Pentachlorophenol	1	Not Detected	Not Detected
Phenanthrene	--	0.248	Not Detected
Phenol	1900	Not Detected	Not Detected
Pyrene	180	0.452	0.0131 J

Notes:

- result detected above the EPA residential screening level

Bold - result detected above the method detection limit

-- no EPA residential screening level available

Not Detected - the parameter was not detected above the method detection limit

- result did not meet data quality criteria approved by EPA

Residential Regional Screening Level Concentrations obtained from "U.S. EPA Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=0.1) November 2024", available at <https://semspub.epa.gov/work/HQ/405271.pdf> and accessed January 2025.

EPA - United States Environmental Protection Agency

mg/kg - milligrams per kilogram

HQ - hazard quotient

J - estimated value

TR - target risk

TABLE 2
Summary of Soil Sample Results - Polycyclic Aromatic Hydrocarbons and Semi-Volatile Organic Compounds
Boyce-Dorian Park, Houston, Texas

	Location ID Sample ID Sample Date Depth Range (inches)	OFFSS-007 OFFSS-007-0-2-C-SS-20240619 6/19/2024 0 - 2	OFFSS-007 OFFSS-007-2-6-C-SH-20240619 6/19/2024 2 - 6
Parameter	EPA Residential Screening Level		
Polycyclic Aromatic Hydrocarbons (mg/kg) - SW8270ESIM			
1-Methylnaphthalene	18	Not Detected	Not Detected
2-Chloronaphthalene	480	Not Detected	Not Detected
2-Methylnaphthalene	24	Not Detected	Not Detected
Acenaphthene	360	Not Detected	Not Detected
Acenaphthylene	--	Not Detected	Not Detected
Anthracene	1800	Not Detected	Not Detected
Benzo(a)anthracene	1.1	0.0241	0.0115
Benzo(a)pyrene	0.11	0.0229	0.00853
Benzo(b)fluoranthene	1.1	0.0368	0.0150
Benzo(g,h,i)perylene	--	0.0176	0.00562 J
Benzo(k)fluoranthene	11	0.0148	0.00594 J
Chrysene	110	0.0274	0.0130
Dibenz(a,h)anthracene	0.11	0.00431 J	Not Detected
Fluoranthene	240	0.0535	0.0316
Fluorene	240	Not Detected	Not Detected
Indeno(1,2,3-c,d)pyrene	1.1	0.0185	0.00596 J
Naphthalene	2	Not Detected	Not Detected
Phenanthrene	--	0.0138	0.0105
Pyrene	180	0.0357	0.0206
Semi-Volatile Organic Compounds (mg/kg) - SW8270E			
1,2,4-Trichlorobenzene	5.8	Not Detected	Not Detected
1,2-Dichlorobenzene	180	Not Detected	Not Detected
1,3-Dichlorobenzene	--	Not Detected	Not Detected
1,4-Dichlorobenzene	2.6	Not Detected	Not Detected
2,4,6-Trichlorophenol	6.3	Not Detected	Not Detected
2,4-Dichlorophenol	19	Not Detected	Not Detected
2,4-Dimethylphenol	130	Not Detected	Not Detected
2,4-Dinitrophenol	13	Not Detected	Not Detected
2,4-Dinitrotoluene	1.7	Not Detected	Not Detected
2,6-Dinitrotoluene	0.36	Not Detected	Not Detected
2-Chloronaphthalene	480	Not Detected	Not Detected
2-Chlorophenol	39.00	Not Detected	Not Detected
2-Nitrophenol	--	Not Detected	Not Detected
3,3'-Dichlorobenzidine	1.20	Not Detected	Not Detected
4,6-Dinitro-2-methylphenol	0.51	Not Detected	Not Detected
4-Bromophenyl phenyl ether	--	Not Detected	Not Detected
4-Chloro-3-methylphenol	630	Not Detected	Not Detected
4-Chlorophenyl phenyl ether	--	Not Detected	Not Detected
4-Nitrophenol	--	Not Detected	Not Detected
Acenaphthene	360	Not Detected	Not Detected
Acenaphthylene	--	Not Detected	Not Detected
Anthracene	1800	Not Detected	Not Detected
Benzidine	0.00053	Not Detected	Not Detected
Benzo(a)anthracene	1.1	Not Detected	Not Detected
Benzo(a)pyrene	0.11	Not Detected	Not Detected
Benzo(b)fluoranthene	1.1	0.00957 J	Not Detected
Benzo(g,h,i)perylene	--	Not Detected	Not Detected
Benzo(k)fluoranthene	11	Not Detected	Not Detected
Benzyl butyl phthalate	290	Not Detected	Not Detected
Bis(2-Chloroethoxy) methane	19	Not Detected	Not Detected
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	0.23	Not Detected	Not Detected
Bis(2-Chloroisopropyl) ether	310	Not Detected	Not Detected
Bis(2-Ethylhexyl) phthalate	39	Not Detected	Not Detected
Chrysene	110	Not Detected	Not Detected
Dibenz(a,h)anthracene	0.11	Not Detected	Not Detected
Diethyl phthalate	5100	Not Detected	Not Detected
Dimethyl phthalate	--	Not Detected	Not Detected
di-n-Butyl phthalate	630	Not Detected	Not Detected
di-n-Octylphthalate	63	Not Detected	Not Detected
Fluoranthene	240	Not Detected	Not Detected
Fluorene	240	Not Detected	Not Detected
Hexachlorobenzene	0.078	Not Detected	Not Detected
Hexachlorobutadiene	1.2	Not Detected	Not Detected
Hexachlorocyclopentadiene	0.18	Not Detected	Not Detected
Hexachloroethane	1.8	Not Detected	Not Detected
Indeno(1,2,3-c,d)pyrene	1.1	Not Detected	Not Detected
Isophorone	570	Not Detected	Not Detected
Naphthalene	2	Not Detected	Not Detected
Nitrobenzene	5.1	Not Detected	Not Detected
N-Nitrosodimethylamine	0.002	Not Detected	Not Detected
N-Nitrosodi-n-propylamine	0.078	Not Detected	Not Detected
N-Nitrosodiphenylamine	110	Not Detected	Not Detected
Pentachlorophenol	1	Not Detected	Not Detected
Phenanthrene	--	Not Detected	Not Detected
Phenol	1900	Not Detected	Not Detected
Pyrene	180	Not Detected	Not Detected

Notes:

 - result detected above the EPA residential screening level

Bold - result detected above the method detection limit

-- no EPA residential screening level available

Not Detected - the parameter was not detected above the method detection limit

- result did not meet data quality criteria approved by EPA

Residential Regional Screening Level Concentrations obtained from "U.S. EPA Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=0.1) November 2024", available at <https://semspub.epa.gov/work/HQ/405271.pdf> and accessed January 2025.

EPA - United States Environmental Protection Agency

mg/kg - milligrams per kilogram

HQ - hazard quotient

J - estimated value

TR - target risk

TABLE 2
Summary of Soil Sample Results - Polycyclic Aromatic Hydrocarbons and Semi-Volatile Organic Compounds
Boyce-Dorian Park, Houston, Texas

	Location ID	OFFSS-007
	Sample ID	OFFSS-007-6-12-C-SH-20240619
	Sample Date	6/19/2024
	Depth Range (inches)	6 - 12
Parameter	EPA Residential Screening Level	
Polycyclic Aromatic Hydrocarbons (mg/kg) - SW8270ESIM		
1-Methylnaphthalene	18	Not Detected
2-Chloronaphthalene	480	Not Detected
2-Methylnaphthalene	24	Not Detected
Acenaphthene	360	Not Detected
Acenaphthylene	--	Not Detected
Anthracene	1800	0.00458 J
Benzo(a)anthracene	1.1	0.0452
Benzo(a)pyrene	0.11	0.0401
Benzo(b)fluoranthene	1.1	0.0690
Benzo(g,h,i)perylene	--	0.0272
Benzo(k)fluoranthene	11	0.0255
Chrysene	110	0.0550
Dibenz(a,h)anthracene	0.11	0.00697 J
Fluoranthene	240	0.124
Fluorene	240	Not Detected
Indeno(1,2,3-c,d)pyrene	1.1	0.0294
Naphthalene	2	Not Detected
Phenanthrene	--	0.0374
Pyrene	180	0.0781
Semi-Volatile Organic Compounds (mg/kg) - SW8270E		
1,2,4-Trichlorobenzene	5.8	Not Detected
1,2-Dichlorobenzene	180	Not Detected
1,3-Dichlorobenzene	--	Not Detected
1,4-Dichlorobenzene	2.6	Not Detected
2,4,6-Trichlorophenol	6.3	Not Detected
2,4-Dichlorophenol	19	Not Detected
2,4-Dimethylphenol	130	Not Detected
2,4-Dinitrophenol	13	Not Detected
2,4-Dinitrotoluene	1.7	Not Detected
2,6-Dinitrotoluene	0.36	Not Detected
2-Chloronaphthalene	480	Not Detected
2-Chlorophenol	39.00	Not Detected
2-Nitrophenol	--	Not Detected
3,3'-Dichlorobenzidine	1.20	Not Detected
4,6-Dinitro-2-methylphenol	0.51	Not Detected
4-Bromophenyl phenyl ether	--	Not Detected
4-Chloro-3-methylphenol	630	Not Detected
4-Chlorophenyl phenyl ether	--	Not Detected
4-Nitrophenol	--	Not Detected
Acenaphthene	360	Not Detected
Acenaphthylene	--	Not Detected
Anthracene	1800	0.00760 J
Benzidine	0.00053	Not Detected
Benzo(a)anthracene	1.1	0.0733
Benzo(a)pyrene	0.11	0.0550
Benzo(b)fluoranthene	1.1	0.0966
Benzo(g,h,i)perylene	--	0.0385 J
Benzo(k)fluoranthene	11	0.0298 J
Benzyl butyl phthalate	290	Not Detected
Bis(2-Chloroethoxy) methane	19	Not Detected
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	0.23	Not Detected
Bis(2-Chloroisopropyl) ether	310	Not Detected
Bis(2-Ethylhexyl) phthalate	39	Not Detected
Chrysene	110	0.0705
Dibenz(a,h)anthracene	0.11	Not Detected
Diethyl phthalate	5100	Not Detected
Dimethyl phthalate	--	Not Detected
di-n-Butyl phthalate	630	Not Detected
di-n-Octylphthalate	63	Not Detected
Fluoranthene	240	0.151
Fluorene	240	Not Detected
Hexachlorobenzene	0.078	Not Detected
Hexachlorobutadiene	1.2	Not Detected
Hexachlorocyclopentadiene	0.18	Not Detected
Hexachloroethane	1.8	Not Detected
Indeno(1,2,3-c,d)pyrene	1.1	0.0354 J
Isophorone	570	Not Detected
Naphthalene	2	Not Detected
Nitrobenzene	5.1	Not Detected
N-Nitrosodimethylamine	0.002	Not Detected
N-Nitrosodi-n-propylamine	0.078	Not Detected
N-Nitrosodiphenylamine	110	Not Detected
Pentachlorophenol	1	Not Detected
Phenanthrene	--	0.0509
Phenol	1900	Not Detected
Pyrene	180	0.145

Notes:

 - result detected above the EPA residential screening level

Bold - result detected above the method detection limit

-- no EPA residential screening level available

Not Detected - the parameter was not detected above the method detection limit

- result did not meet data quality criteria approved by EPA

Residential Regional Screening Level Concentrations obtained from "U.S. EPA Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=0.1) November 2024", available at <https://semspub.epa.gov/work/HQ/405271.pdf> and accessed January 2025.

EPA - United States Environmental Protection Agency

mg/kg - milligrams per kilogram

HQ - hazard quotient

J - estimated value

TR - target risk

TABLE 3
Summary of Soil Sample Results - Volatile Organic Compounds
Boyce-Dorian Park, Houston, Texas

	Location ID Sample ID Sample Date Depth Range (inches)	OFFSS-001 OFFSS-001-2-6-D-SH-20240605 6/5/2024 2 - 6	OFFSS-002 OFFSS-002-2-6-D-SH-20240605 6/5/2024 2 - 6
Parameter	EPA Residential Screening Level		
Volatile Organic Compounds (mg/kg) - SW8260			
1,1,1,2-Tetrachloroethane	2	Not Detected	Not Detected
1,1,1-Trichloroethane (TCA)	810	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.6	Not Detected	Not Detected
1,1,2-Trichloro-1,2,2-trifluoroethane	670	Not Detected	Not Detected
1,1,2-Trichloroethane	0.15	Not Detected	Not Detected
1,1-Dichloroethane	3.6	Not Detected	Not Detected
1,1-Dichloroethene	23	Not Detected	Not Detected
1,1-Dichloropropene	NV	Not Detected	Not Detected
1,2,3-Trichlorobenzene	6.3	Not Detected	Not Detected
1,2,3-Trichloropropane	0.0051	Not Detected	Not Detected
1,2,3-Trimethylbenzene	34	Not Detected	Not Detected
1,2,4-Trichlorobenzene	5.8	Not Detected	Not Detected
1,2,4-Trimethylbenzene	30	Not Detected	Not Detected
1,2-Dibromo-3-chloropropane	0.0053	Not Detected	Not Detected
1,2-Dibromoethane (Ethylene Dibromide)	0.036	Not Detected	Not Detected
1,2-Dichlorobenzene	180	Not Detected	Not Detected
1,2-Dichloroethane	0.46	Not Detected	Not Detected
1,2-Dichloropropane	1.6	Not Detected	Not Detected
1,3,5-Trimethylbenzene (Mesitylene)	27	Not Detected	Not Detected
1,3-Dichlorobenzene	NV	Not Detected	Not Detected
1,3-Dichloropropane	160	Not Detected	Not Detected
1,4-Dichlorobenzene	2.6	Not Detected	Not Detected
2,2-Dichloropropane	NV	Not Detected	Not Detected
2-Chlorotoluene	160	Not Detected	Not Detected
4-Chlorotoluene	160	Not Detected	Not Detected
Acetone	7000	Not Detected	Not Detected
Acrylonitrile	0.25	Not Detected	Not Detected
Benzene	1.2	Not Detected	Not Detected
Bromobenzene	29	Not Detected	Not Detected
Bromodichloromethane	0.29	Not Detected	Not Detected
Bromoform	19	Not Detected	Not Detected
Bromomethane	0.68	Not Detected	Not Detected
Carbon Tetrachloride	0.65	Not Detected	Not Detected
Chlorobenzene	28	Not Detected	Not Detected
Chloroethane	540	Not Detected	Not Detected
Chloroform	0.32	Not Detected	Not Detected
Chloromethane	11	Not Detected	Not Detected
cis-1,2-Dichloroethylene	6.3	Not Detected	Not Detected
cis-1,3-Dichloropropene	1.8	Not Detected	Not Detected
Cymene	NV	Not Detected	Not Detected
Dibromochloromethane	8.3	Not Detected	Not Detected
Dibromomethane	2.4	Not Detected	Not Detected
Dichlorodifluoromethane	8.7	Not Detected	Not Detected
Ethylbenzene	5.8	Not Detected	Not Detected
Hexachlorobutadiene	1.2	Not Detected	Not Detected
Isopropyl Ether	220	Not Detected	Not Detected
Isopropylbenzene (Cumene)	190	Not Detected	Not Detected
Methyl Ethyl Ketone (2-Butanone)	2700	Not Detected	Not Detected
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	3300	Not Detected	Not Detected
Methylene chloride	35	Not Detected	Not Detected
Naphthalene	2	Not Detected	Not Detected
n-Butylbenzene	390	Not Detected	Not Detected
n-Propylbenzene	380	Not Detected	Not Detected
sec-Butylbenzene	780	Not Detected	Not Detected
Styrene	600	Not Detected	Not Detected
t-Butylbenzene	780	Not Detected	Not Detected
tert-Butyl methyl ether	47	Not Detected	Not Detected
Tetrachloroethylene (PCE)	8.1	Not Detected	Not Detected
Toluene	490	Not Detected	Not Detected
trans-1,2-Dichloroethene	7	Not Detected	Not Detected
trans-1,3-Dichloropropene	1.8	Not Detected	Not Detected
Trichloroethylene (TCE)	0.41	Not Detected	Not Detected
Trichlorofluoromethane	2300	Not Detected	Not Detected
Vinyl chloride	0.059	Not Detected	Not Detected
Xylenes, total	58	Not Detected	Not Detected


Notes:
 - result detected above the EPA residential screening level
Bold - result detected above the method detection limit
-- no EPA residential screening level available
Not Detected - the parameter was not detected above the method detection limit
- result did not meet data quality criteria approved by EPA
Residential Regional Screening Level Concentrations obtained from "U.S. EPA Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=0.1) November 2024", available at <https://semspub.epa.gov/work/HQ/405271.pdf> and accessed January 2025.
mg/kg - milligrams per kilogram
EPA - United States Environmental Protection Agency
HQ - hazard quotient
J - estimated value
TR - target risk

TABLE 3
Summary of Soil Sample Results - Volatile Organic Compounds
Boyce-Dorian Park, Houston, Texas

	Location ID Sample ID Sample Date Depth Range (inches)	OFFSS-003 OFFSS-003-2-6-D-SH-20240605 6/5/2024 2 - 6	OFFSS-004 OFFSS-004-2-6-D-SH-20240605 6/5/2024 2 - 6
Parameter	EPA Residential Screening Level		
Volatile Organic Compounds (mg/kg) - SW8260			
1,1,1,2-Tetrachloroethane	2	Not Detected	Not Detected
1,1,1-Trichloroethane (TCA)	810	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.6	Not Detected	Not Detected
1,1,2-Trichloro-1,2,2-trifluoroethane	670	Not Detected	Not Detected
1,1,2-Trichloroethane	0.15	Not Detected	Not Detected
1,1-Dichloroethane	3.6	Not Detected	Not Detected
1,1-Dichloroethene	23	Not Detected	Not Detected
1,1-Dichloropropene	NV	Not Detected	Not Detected
1,2,3-Trichlorobenzene	6.3	Not Detected	Not Detected
1,2,3-Trichloropropane	0.0051	Not Detected	Not Detected
1,2,3-Trimethylbenzene	34	Not Detected	Not Detected
1,2,4-Trichlorobenzene	5.8	Not Detected	Not Detected
1,2,4-Trimethylbenzene	30	Not Detected	Not Detected
1,2-Dibromo-3-chloropropane	0.0053	Not Detected	Not Detected
1,2-Dibromoethane (Ethylene Dibromide)	0.036	Not Detected	Not Detected
1,2-Dichlorobenzene	180	Not Detected	Not Detected
1,2-Dichloroethane	0.46	Not Detected	Not Detected
1,2-Dichloropropane	1.6	Not Detected	Not Detected
1,3,5-Trimethylbenzene (Mesitylene)	27	Not Detected	Not Detected
1,3-Dichlorobenzene	NV	Not Detected	Not Detected
1,3-Dichloropropane	160	Not Detected	Not Detected
1,4-Dichlorobenzene	2.6	Not Detected	Not Detected
2,2-Dichloropropane	NV	Not Detected	Not Detected
2-Chlorotoluene	160	Not Detected	Not Detected
4-Chlorotoluene	160	Not Detected	Not Detected
Acetone	7000	Not Detected	Not Detected
Acrylonitrile	0.25	Not Detected	Not Detected
Benzene	1.2	Not Detected	Not Detected
Bromobenzene	29	Not Detected	Not Detected
Bromodichloromethane	0.29	Not Detected	Not Detected
Bromoform	19	Not Detected	Not Detected
Bromomethane	0.68	Not Detected	Not Detected
Carbon Tetrachloride	0.65	Not Detected	Not Detected
Chlorobenzene	28	Not Detected	Not Detected
Chloroethane	540	Not Detected	Not Detected
Chloroform	0.32	Not Detected	Not Detected
Chloromethane	11	Not Detected	Not Detected
cis-1,2-Dichloroethylene	6.3	Not Detected	Not Detected
cis-1,3-Dichloropropene	1.8	Not Detected	Not Detected
Cymene	NV	Not Detected	Not Detected
Dibromochloromethane	8.3	Not Detected	Not Detected
Dibromomethane	2.4	Not Detected	Not Detected
Dichlorodifluoromethane	8.7	Not Detected	Not Detected
Ethylbenzene	5.8	Not Detected	Not Detected
Hexachlorobutadiene	1.2	Not Detected	Not Detected
Isopropyl Ether	220	Not Detected	Not Detected
Isopropylbenzene (Cumene)	190	Not Detected	Not Detected
Methyl Ethyl Ketone (2-Butanone)	2700	Not Detected	Not Detected
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	3300	Not Detected	Not Detected
Methylene chloride	35	Not Detected	Not Detected
Naphthalene	2	Not Detected	Not Detected
n-Butylbenzene	390	Not Detected	Not Detected
n-Propylbenzene	380	Not Detected	Not Detected
sec-Butylbenzene	780	Not Detected	Not Detected
Styrene	600	Not Detected	Not Detected
t-Butylbenzene	780	Not Detected	Not Detected
tert-Butyl methyl ether	47	Not Detected	Not Detected
Tetrachloroethylene (PCE)	8.1	Not Detected	Not Detected
Toluene	490	Not Detected	Not Detected
trans-1,2-Dichloroethene	7	Not Detected	Not Detected
trans-1,3-Dichloropropene	1.8	Not Detected	Not Detected
Trichloroethylene (TCE)	0.41	Not Detected	Not Detected
Trichlorofluoromethane	2300	Not Detected	Not Detected
Vinyl chloride	0.059	Not Detected	Not Detected
Xylenes, total	58	Not Detected	Not Detected


Notes:
 - result detected above the EPA residential screening level
Bold - result detected above the method detection limit
-- no EPA residential screening level available
Not Detected - the parameter was not detected above the method detection limit
- result did not meet data quality criteria approved by EPA
Residential Regional Screening Level Concentrations obtained from "U.S. EPA Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=0.1) November 2024", available at <https://semspub.epa.gov/work/HQ/405271.pdf> and accessed January 2025.
mg/kg - milligrams per kilogram
EPA - United States Environmental Protection Agency
HQ - hazard quotient
J - estimated value
TR - target risk

TABLE 3
Summary of Soil Sample Results - Volatile Organic Compounds
Boyce-Dorian Park, Houston, Texas

	Location ID Sample ID Sample Date Depth Range (inches)	OFFSS-005 OFFSS-005-2-6-D-SH-20240606 6/6/2024 2 - 6	OFFSS-006 OFFSS-006-2-6-D-SH-20240611 6/11/2024 2 - 6
Parameter	EPA Residential Screening Level		
Volatile Organic Compounds (mg/kg) - SW8260			
1,1,1,2-Tetrachloroethane	2	Not Detected	Not Detected
1,1,1-Trichloroethane (TCA)	810	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.6	Not Detected	Not Detected
1,1,2-Trichloro-1,2,2-trifluoroethane	670	Not Detected	Not Detected
1,1,2-Trichloroethane	0.15	Not Detected	Not Detected
1,1-Dichloroethane	3.6	Not Detected	Not Detected
1,1-Dichloroethene	23	Not Detected	Not Detected
1,1-Dichloropropene	NV	Not Detected	Not Detected
1,2,3-Trichlorobenzene	6.3	Not Detected	Not Detected
1,2,3-Trichloropropane	0.0051	Not Detected	Not Detected
1,2,3-Trimethylbenzene	34	Not Detected	0.00393 J
1,2,4-Trichlorobenzene	5.8	Not Detected	Not Detected
1,2,4-Trimethylbenzene	30	Not Detected	0.0135 J
1,2-Dibromo-3-chloropropane	0.0053	Not Detected	Not Detected
1,2-Dibromoethane (Ethylene Dibromide)	0.036	Not Detected	Not Detected
1,2-Dichlorobenzene	180	Not Detected	Not Detected
1,2-Dichloroethane	0.46	Not Detected	Not Detected
1,2-Dichloropropane	1.6	Not Detected	Not Detected
1,3,5-Trimethylbenzene (Mesitylene)	27	Not Detected	0.00480 J
1,3-Dichlorobenzene	NV	Not Detected	Not Detected
1,3-Dichloropropane	160	Not Detected	Not Detected
1,4-Dichlorobenzene	2.6	Not Detected	Not Detected
2,2-Dichloropropane	NV	Not Detected	Not Detected
2-Chlorotoluene	160	Not Detected	Not Detected
4-Chlorotoluene	160	Not Detected	Not Detected
Acetone	7000	Not Detected	Not Detected
Acrylonitrile	0.25	Not Detected	Not Detected
Benzene	1.2	Not Detected	Not Detected
Bromobenzene	29	Not Detected	Not Detected
Bromodichloromethane	0.29	Not Detected	Not Detected
Bromoform	19	Not Detected	Not Detected
Bromomethane	0.68	Not Detected	Not Detected
Carbon Tetrachloride	0.65	Not Detected	Not Detected
Chlorobenzene	28	Not Detected	Not Detected
Chloroethane	540	Not Detected	Not Detected
Chloroform	0.32	Not Detected	Not Detected
Chloromethane	11	Not Detected	Not Detected
cis-1,2-Dichloroethylene	6.3	Not Detected	Not Detected
cis-1,3-Dichloropropene	1.8	Not Detected	Not Detected
Cymene	NV	Not Detected	0.00476 J
Dibromochloromethane	8.3	Not Detected	Not Detected
Dibromomethane	2.4	Not Detected	Not Detected
Dichlorodifluoromethane	8.7	Not Detected	Not Detected
Ethylbenzene	5.8	Not Detected	0.00272 J
Hexachlorobutadiene	1.2	Not Detected	Not Detected
Isopropyl Ether	220	Not Detected	Not Detected
Isopropylbenzene (Cumene)	190	Not Detected	Not Detected
Methyl Ethyl Ketone (2-Butanone)	2700	Not Detected	Not Detected
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	3300	Not Detected	Not Detected
Methylene chloride	35	Not Detected	Not Detected
Naphthalene	2	Not Detected	0.0287
n-Butylbenzene	390	Not Detected	Not Detected
n-Propylbenzene	380	Not Detected	0.00427 J
sec-Butylbenzene	780	Not Detected	Not Detected
Styrene	600	Not Detected	Not Detected
t-Butylbenzene	780	Not Detected	Not Detected
tert-Butyl methyl ether	47	Not Detected	Not Detected
Tetrachloroethylene (PCE)	8.1	Not Detected	Not Detected
Toluene	490	Not Detected	Not Detected
trans-1,2-Dichloroethene	7	Not Detected	Not Detected
trans-1,3-Dichloropropene	1.8	Not Detected	Not Detected
Trichloroethylene (TCE)	0.41	Not Detected	Not Detected
Trichlorofluoromethane	2300	Not Detected	Not Detected
Vinyl chloride	0.059	Not Detected	Not Detected
Xylenes, total	58	Not Detected	0.00532 J



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mg/kg - milligrams per kilogram
EPA - United States Environmental Protection Agency
HQ - hazard quotient
J - estimated value
TR - target risk

TABLE 3
Summary of Soil Sample Results - Volatile Organic Compounds
Boyce-Dorian Park, Houston, Texas

	Location ID Sample ID Sample Date Depth Range (inches)	OFFSS-007 OFFSS-007-2-6-D-SH-20240619 6/19/2024 2 - 6	OFFSS-007 OFFSS-007-6-12-D-SH-20240619 6/19/2024 6 - 12
Parameter	EPA Residential Screening Level		
Volatile Organic Compounds (mg/kg) - SW8260			
1,1,1,2-Tetrachloroethane	2	Not Detected	Not Detected
1,1,1-Trichloroethane (TCA)	810	Not Detected	Not Detected
1,1,2,2-Tetrachloroethane	0.6	Not Detected	Not Detected
1,1,2-Trichloro-1,2,2-trifluoroethane	670	Not Detected	Not Detected
1,1,2-Trichloroethane	0.15	Not Detected	Not Detected
1,1-Dichloroethane	3.6	Not Detected	Not Detected
1,1-Dichloroethene	23	Not Detected	Not Detected
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1,2,3-Trichlorobenzene	6.3	Not Detected	Not Detected
1,2,3-Trichloropropane	0.0051	Not Detected	Not Detected
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1,2-Dibromo-3-chloropropane	0.0053	Not Detected	Not Detected
1,2-Dibromoethane (Ethylene Dibromide)	0.036	Not Detected	Not Detected
1,2-Dichlorobenzene	180	Not Detected	Not Detected
1,2-Dichloroethane	0.46	Not Detected	Not Detected
1,2-Dichloropropane	1.6	Not Detected	Not Detected
1,3,5-Trimethylbenzene (Mesitylene)	27	Not Detected	Not Detected
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2-Chlorotoluene	160	Not Detected	Not Detected
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Chlorobenzene	28	Not Detected	Not Detected
Chloroethane	540	Not Detected	Not Detected
Chloroform	0.32	Not Detected	Not Detected
Chloromethane	11	Not Detected	Not Detected
cis-1,2-Dichloroethylene	6.3	Not Detected	Not Detected
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Dibromochloromethane	8.3	Not Detected	Not Detected
Dibromomethane	2.4	Not Detected	Not Detected
Dichlorodifluoromethane	8.7	Not Detected	Not Detected
Ethylbenzene	5.8	Not Detected	Not Detected
Hexachlorobutadiene	1.2	Not Detected	Not Detected
Isopropyl Ether	220	Not Detected	Not Detected
Isopropylbenzene (Cumene)	190	Not Detected	Not Detected
Methyl Ethyl Ketone (2-Butanone)	2700	Not Detected	Not Detected
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	3300	Not Detected	Not Detected
Methylene chloride	35	Not Detected	Not Detected
Naphthalene	2	Not Detected	Not Detected
n-Butylbenzene	390	Not Detected	Not Detected
n-Propylbenzene	380	Not Detected	Not Detected
sec-Butylbenzene	780	Not Detected	Not Detected
Styrene	600	0.000710 J	Not Detected
t-Butylbenzene	780	Not Detected	Not Detected
tert-Butyl methyl ether	47	Not Detected	Not Detected
Tetrachloroethylene (PCE)	8.1	Not Detected	Not Detected
Toluene	490	Not Detected	Not Detected
trans-1,2-Dichloroethene	7	Not Detected	Not Detected
trans-1,3-Dichloropropene	1.8	Not Detected	Not Detected
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Xylenes, total	58	Not Detected	Not Detected

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