



St. Croix Sensory, Inc.

SWAPE

Bridgeton Sanitary Landfill Air Quality Assessment

Odor Evaluation Report

Report No. 1312902

05/09/13

Data Release Authorization:

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Laboratory Associate

Reviewed and Approved:

Charles M. McGinley, P.E.
Technical Director

St. Croix Sensory is a laboratory dedicated to practicing state-of-the-art sensory evaluation and to advancing the science of sensory perception.

We are a family owned and operated business providing our clients with personal customer service, flexible scheduling, timely results.

Our focus is to provide the best professional services available to help make your project or product a success.

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Email: stcroix@fivesenses.com

Client: SWAPE

Report No.: 1312902

Project: Bridgeton Sanitary Landfill Air Quality Assessment

Evaluation Date: 05/09/13

#	Field No.	Sample Description	ASTM E679 & EN13725		ASTM E544	PERSISTENCY	CHARACTERIZATION		Comments
			Detection Threshold	Recognition Threshold	Intensity	Dose-Response Slope	Hedonic Tone	Principal Odor Descriptors	
1	BZ-2		110	60	40		-0.4	Chemical, Floral, Medicinal, Offensive	Sample descriptions were not provided.
2	U-3		65	35	14		0.0	Chemical, Floral, Earthy, Offensive	
3	D-3		65	40	24		-0.4	Chemical, Floral, Medicinal, Offensive	
4	BZ-1		150	75	50		-1.0	Chemical, Floral, Offensive	
5									
6									
7									
8									
9									
10									

Client: SWAPE

Field No.: BZ-2

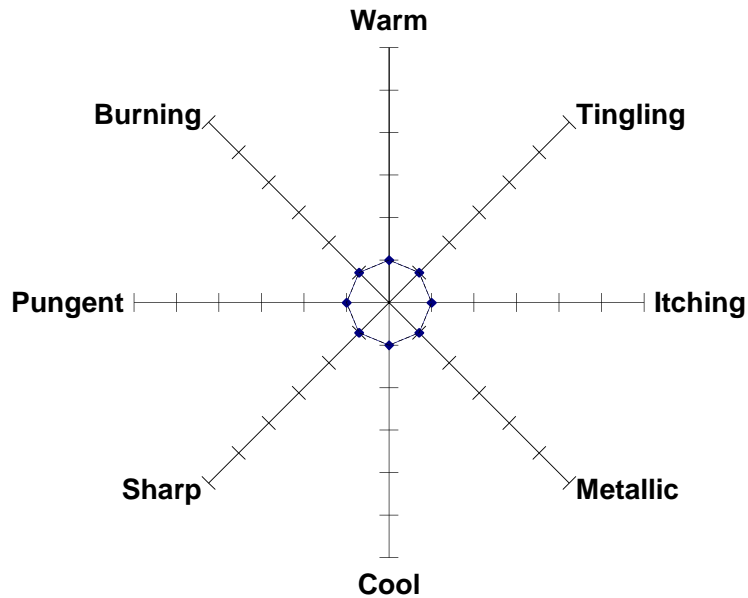
Report No.: 1312902

Project: Bridgeton Sanitary Landfill Air Quality Assessment

Description: _____

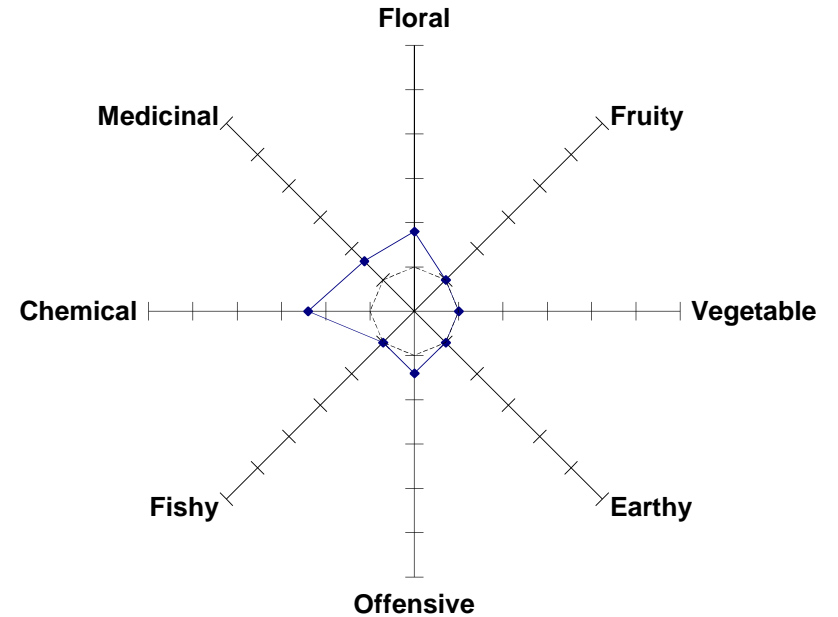
Evaluation Date: 05/09/13

Sensation Descriptor Graph



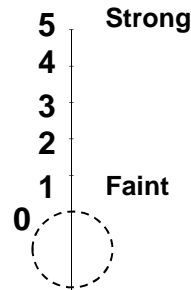
	Average Relative Strength
Warm	0.0
Tingling	0.0
Itching	0.0
Metallic	0.0
Cool	0.0
Sharp	0.0
Pungent	0.0
Burning	0.0

Odor Descriptor Graph



	Average Relative Strength
Floral	0.8
Fruity	0.0
Vegetable	0.0
Earthy	0.0
Offensive	0.4
Fishy	0.0
Chemical	1.4
Medicinal	0.6

KEY



Relative Strength

St. Croix Sensory, Inc.

Odor Evaluation Report

Client: SWAPE

Field No.: BZ-2

Report No.: **1312902**

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% of Assessors |*****|*****|*****|*****| 100%

- Floral *****
- Fragrant *****
- Perfumy *****
- Medicinal *****
- Alcohol *****
- Chlorinous *****
- Chemical *****:
- Cleaning fluid *****
- Plastic *****:
- Varnish *****
- Vinyl *****:
- Offensive *****

Client: SWAPE

Field No.: BZ-2

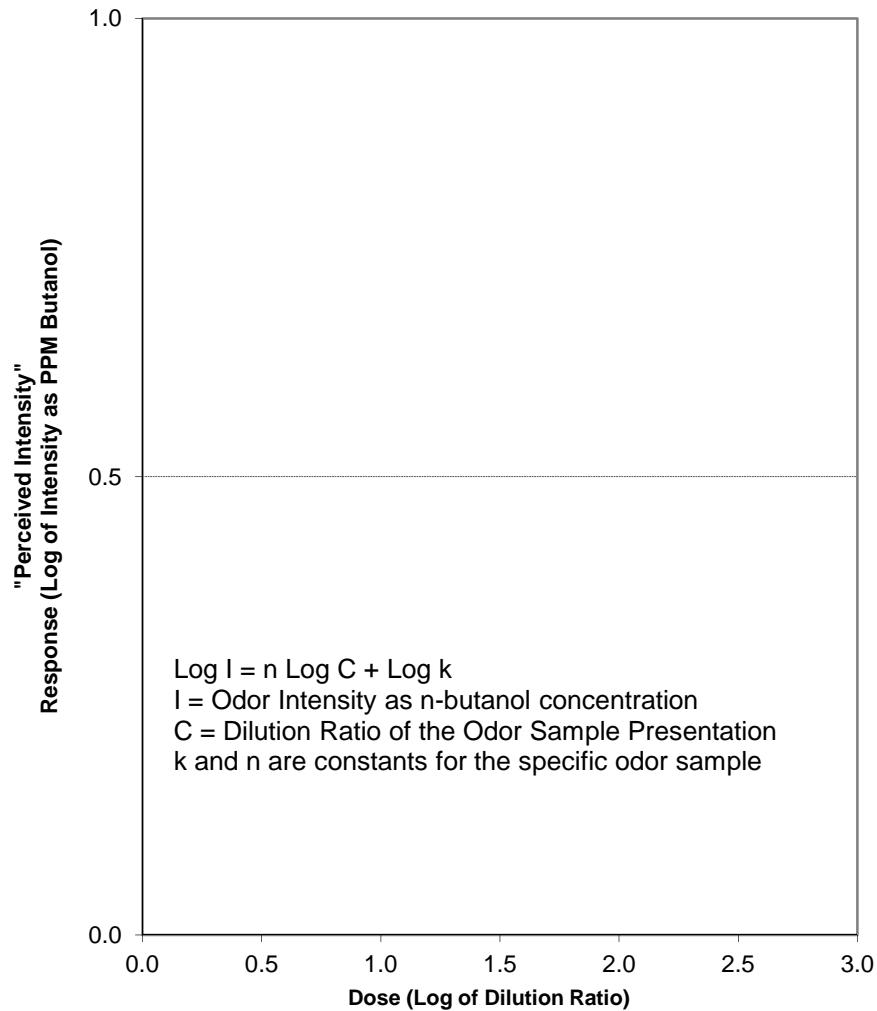
Report No.: 1312902

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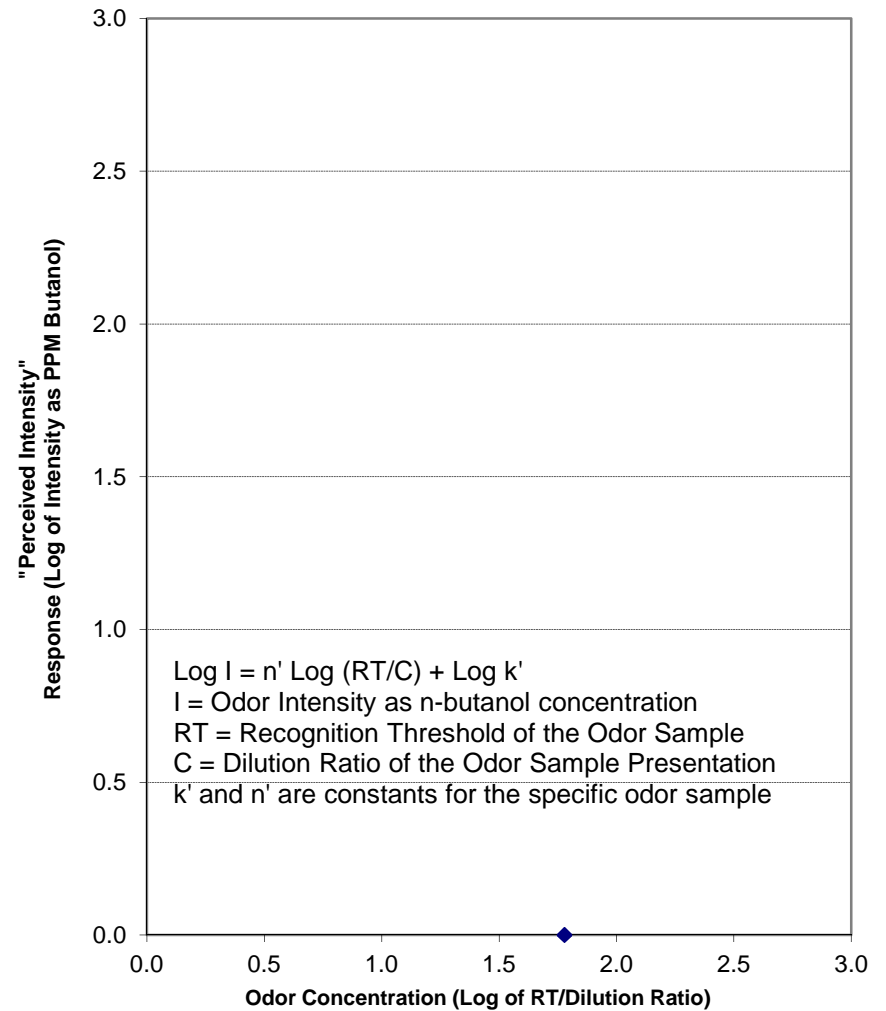
Description: _____

Evaluation Date: 05/09/13

Dose-Response



Dose-Response as Power Law



Client: SWAPE

Field No.: U-3

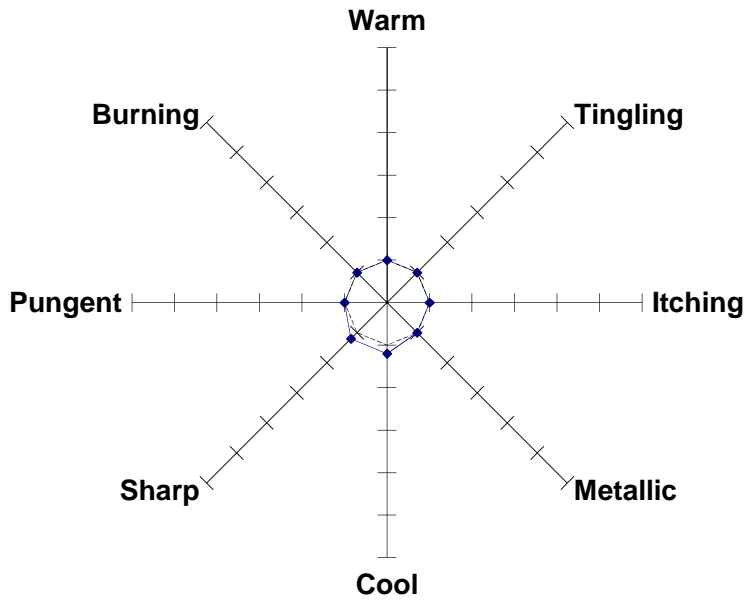
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Description: _____

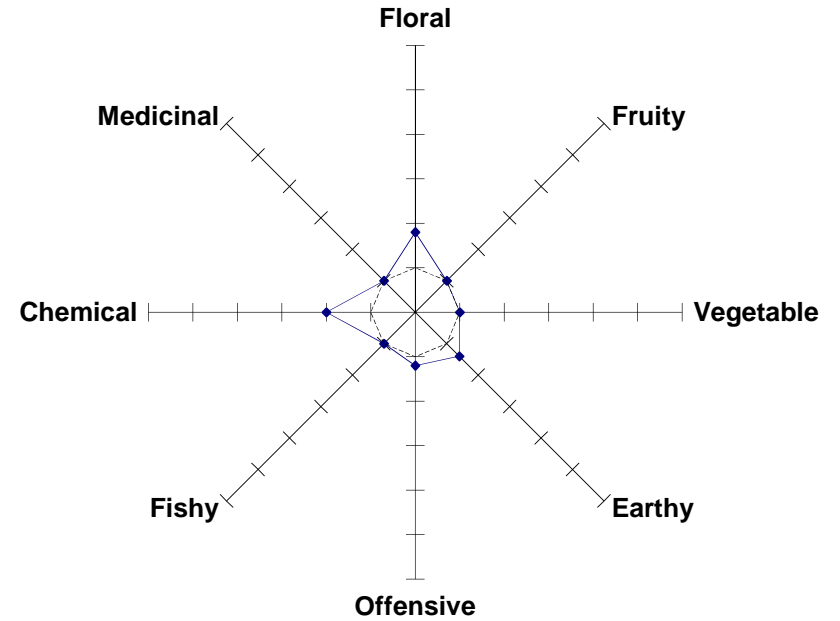
Evaluation Date: 05/09/13

Sensation Descriptor Graph



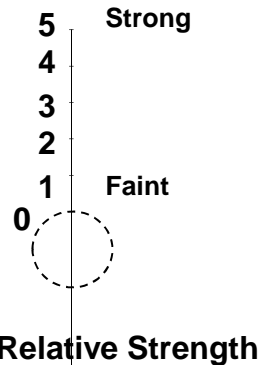
	Average Relative Strength
Warm	0.0
Tingling	0.0
Itching	0.0
Metallic	0.0
Cool	0.2
Sharp	0.2
Pungent	0.0
Burning	0.0

Odor Descriptor Graph



	Average Relative Strength
Floral	0.8
Fruity	0.0
Vegetable	0.0
Earthy	0.4
Offensive	0.2
Fishy	0.0
Chemical	1.0
Medicinal	0.0

KEY



St. Croix Sensory, Inc.

Odor Evaluation Report

Client: SWAPE

Field No.: U-3

Report No.: 1312902

Project: Bridgeton Sanitary Landfill Air Quality Assessment

Description: _____

Evaluation Date: 05/09/13

% of Assessors |*****|*****|*****|*****| 100%

- Floral *****
- Fragrant *****
- Perfumy *****
- Disinfectant *****
- Chemical *****
- Car exhaust *****
- Solvent *****
- Vinyl *****
- Sulfur *****
- Offensive *****
- Garbage *****
- Earthy *****
- Musty *****
- Smoky *****

Client: SWAPE

Field No.: U-3

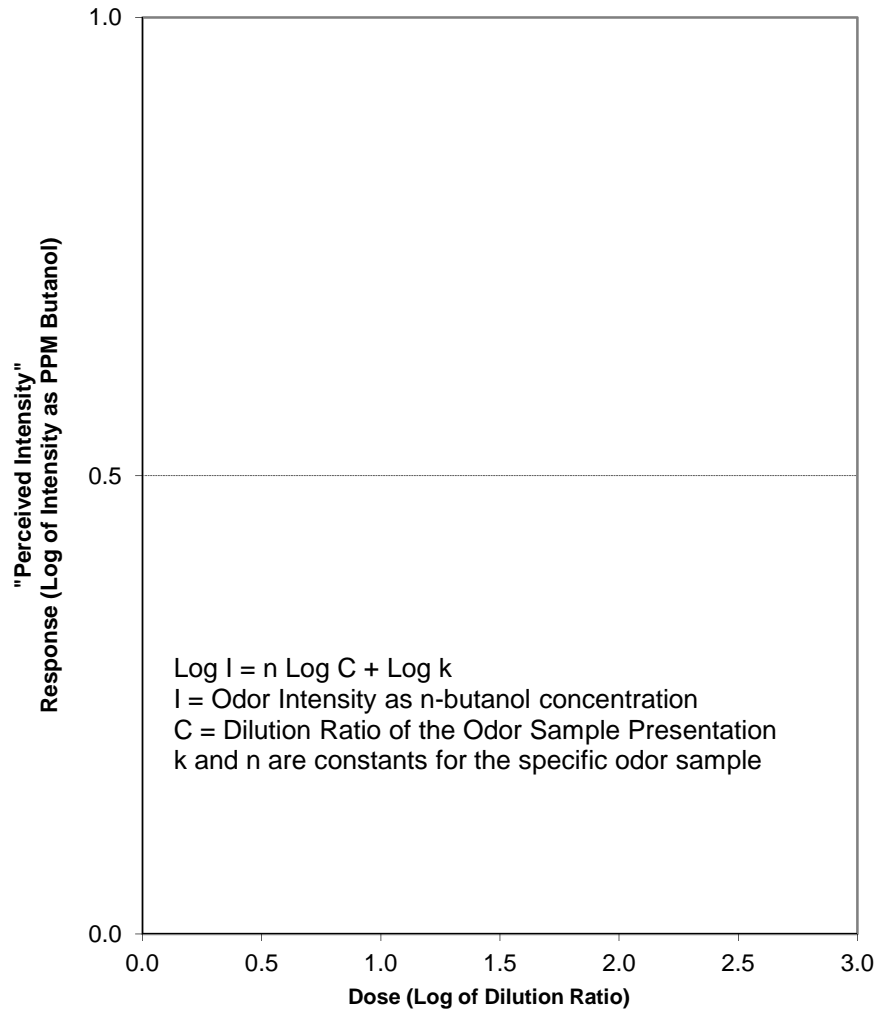
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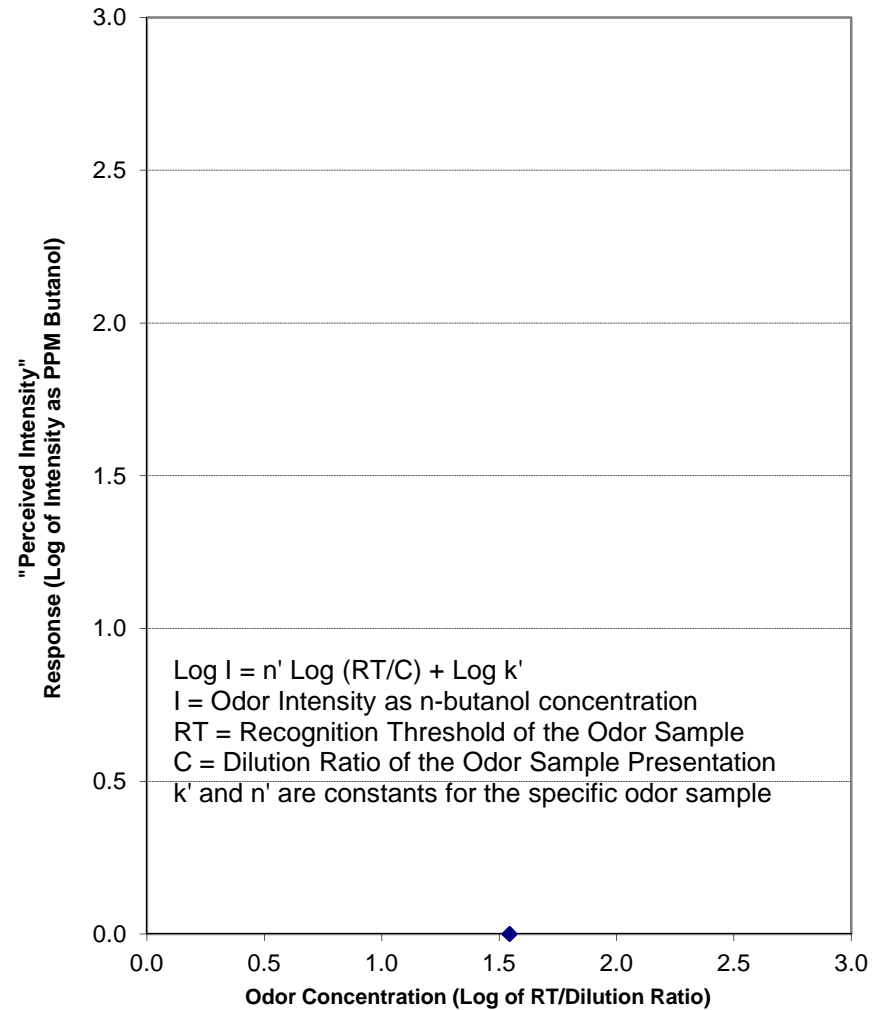
Description: _____

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Dose-Response



Dose-Response as Power Law



Client: SWAPE

Field No.: D-3

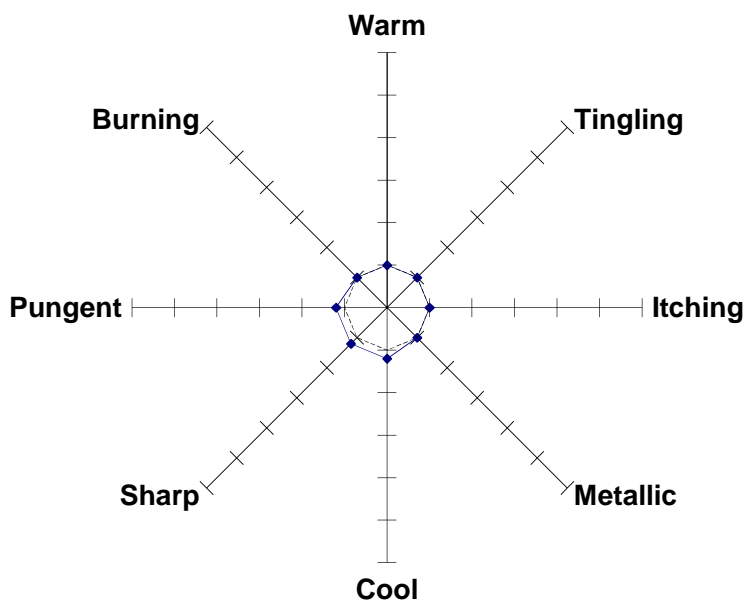
Report No.: 1312902

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Description: _____

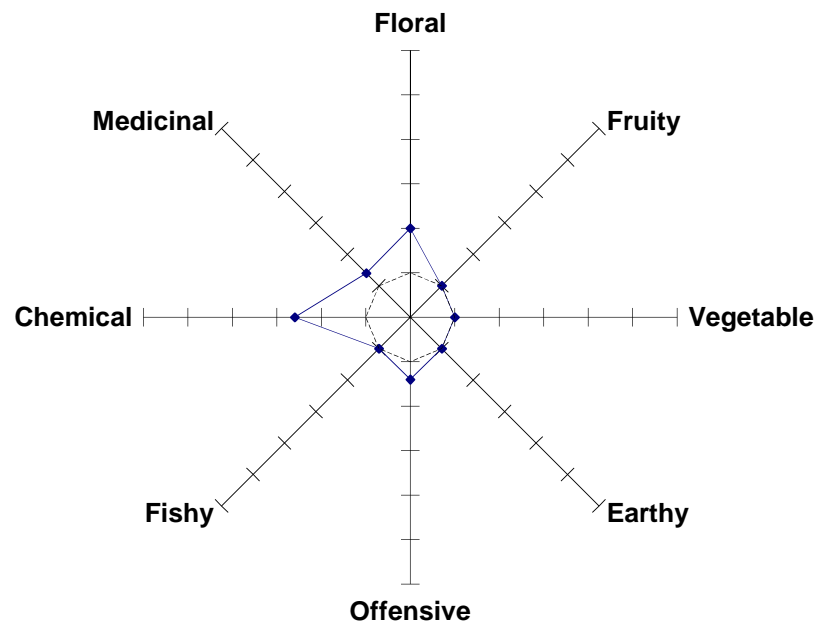
Evaluation Date: 05/09/13

Sensation Descriptor Graph



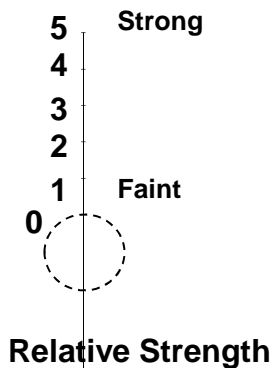
	Average Relative Strength
Warm	0.0
Tingling	0.0
Itching	0.0
Metallic	0.0
Cool	0.2
Sharp	0.2
Pungent	0.2
Burning	0.0

Odor Descriptor Graph



	Average Relative Strength
Floral	1.0
Fruity	0.0
Vegetable	0.0
Earthy	0.0
Offensive	0.4
Fishy	0.0
Chemical	1.6
Medicinal	0.4

KEY



St. Croix Sensory, Inc.

Odor Evaluation Report

Client: SWAPE

Field No.: D-3

Report No.: 1312902

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Description: _____

Evaluation Date: 05/09/13

% of Assessors |*****|*****|*****|*****| 100%

- Floral *****
- Fragrant *****
- Perfumy *****
- Medicinal *****
- Chlorinous *****
- Chemical *****
- Cleaning fluid *****
- Plastic *****
- Varnish *****
- Solvent *****
- Offensive *****
- Garbage *****

Client: SWAPE

Field No.: D-3

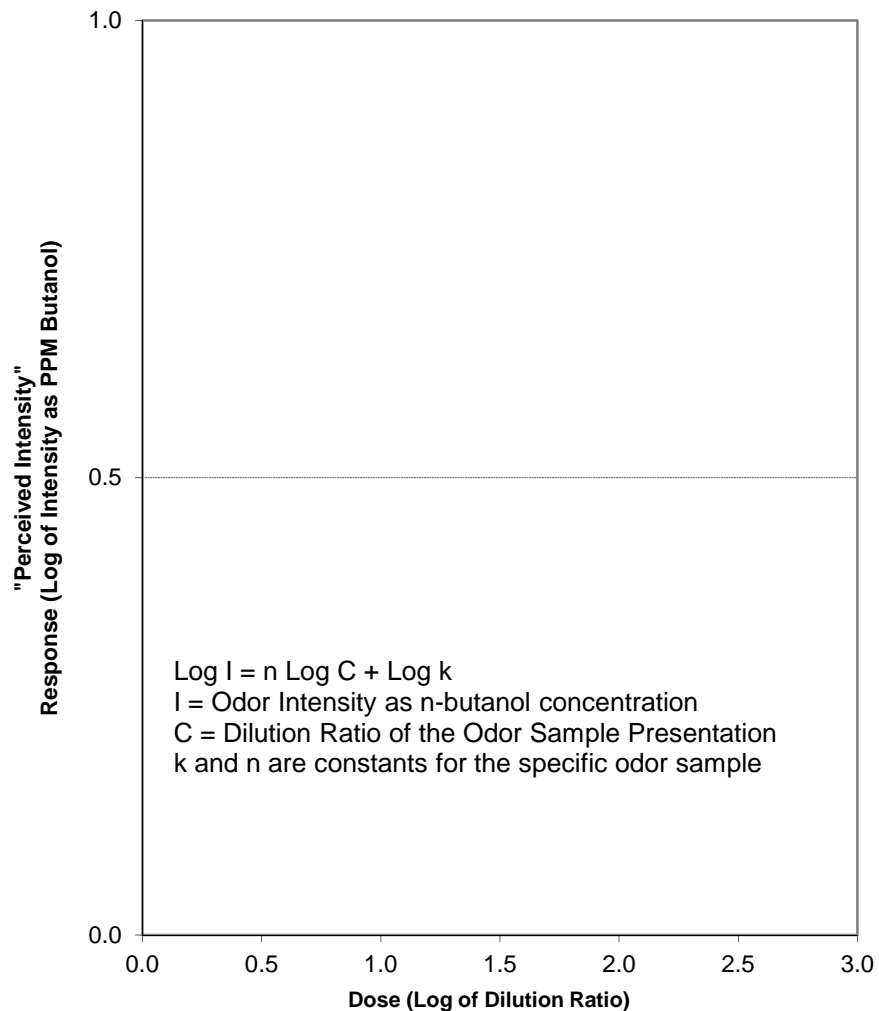
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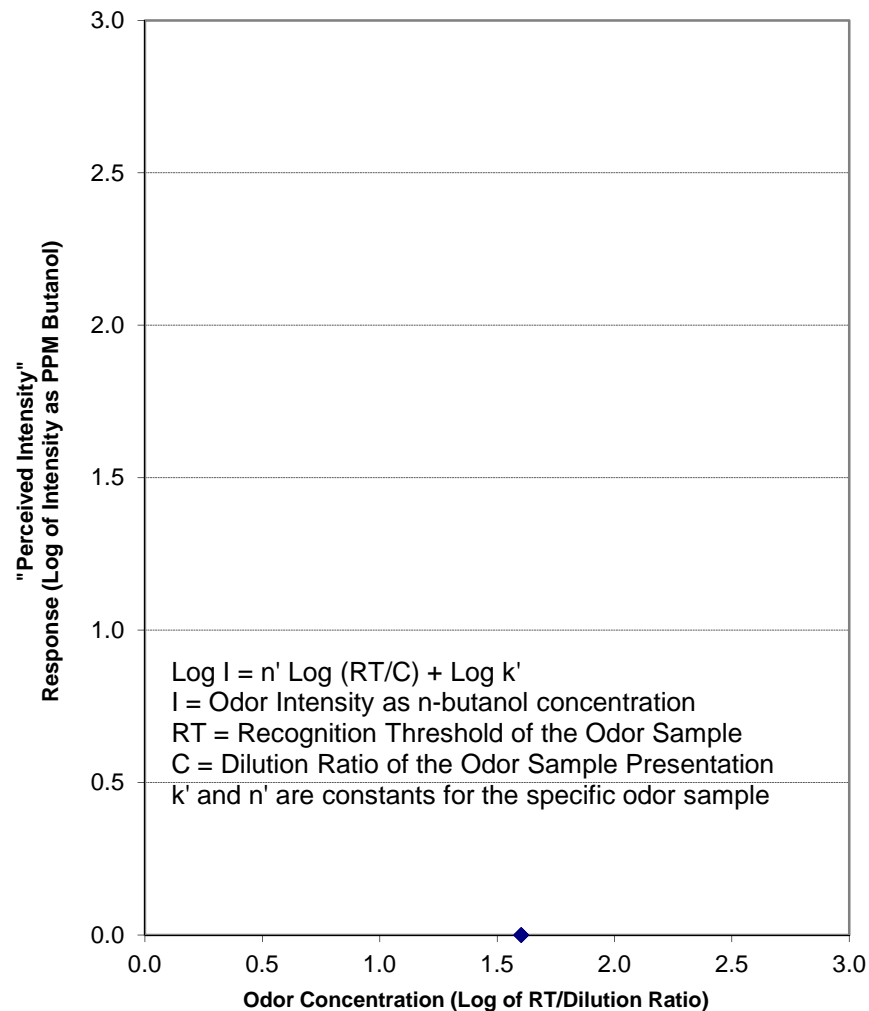
Description: _____

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Dose-Response



Dose-Response as Power Law



Client: SWAPE

Field No.: BZ-1

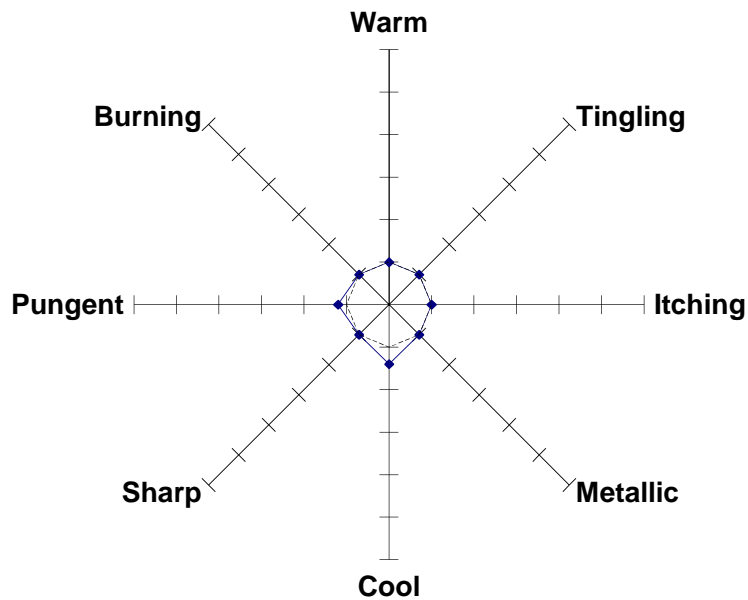
Report No.: 1312902

Project: Bridgeton Sanitary Landfill Air Quality Assessment

Description: _____

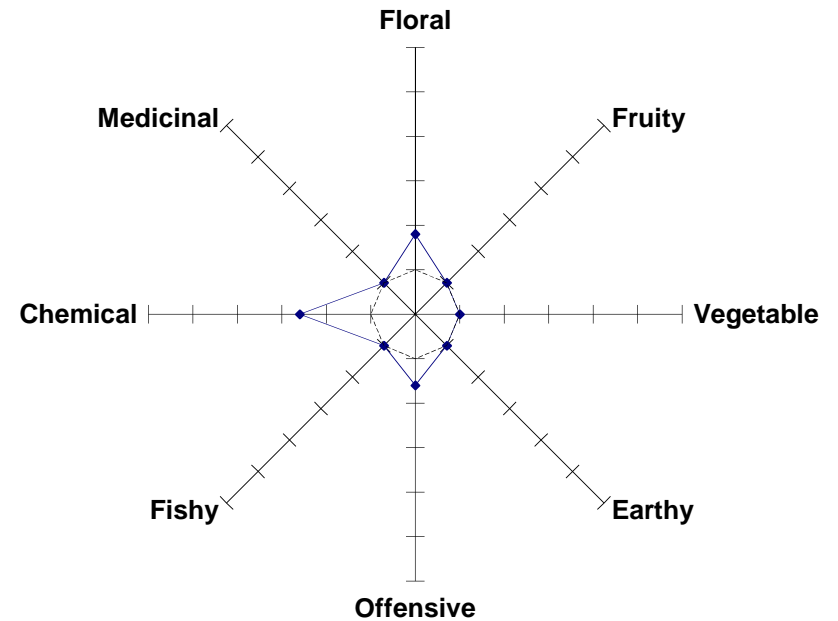
Evaluation Date: 05/09/13

Sensation Descriptor Graph

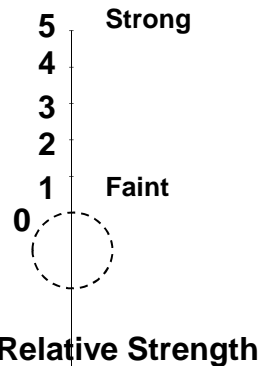


	Average Relative Strength
Warm	0.0
Tingling	0.0
Itching	0.0
Metallic	0.0
Cool	0.4
Sharp	0.0
Pungent	0.2
Burning	0.0

Odor Descriptor Graph



KEY



Relative Strength

	Average Relative Strength
Floral	0.8
Fruity	0.0
Vegetable	0.0
Earthy	0.0
Offensive	0.6
Fishy	0.0
Chemical	1.6
Medicinal	0.0

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Odor Evaluation Report

Client: SWAPE

Field No.: BZ-1

Report No.: 1312902

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Description: _____

Evaluation Date: 05/09/13

% of Assessors |*****|*****|*****|*****| 100%

- Floral *****
- Fragrant *****
- Perfumy *****
- Chemical *****
- Petroleum *****
- Cleaning fluid *****
- Plastic *****
- Varnish *****
- Solvent *****
- Offensive *****
- Septic *****

Client: SWAPE

Field No.: BZ-1

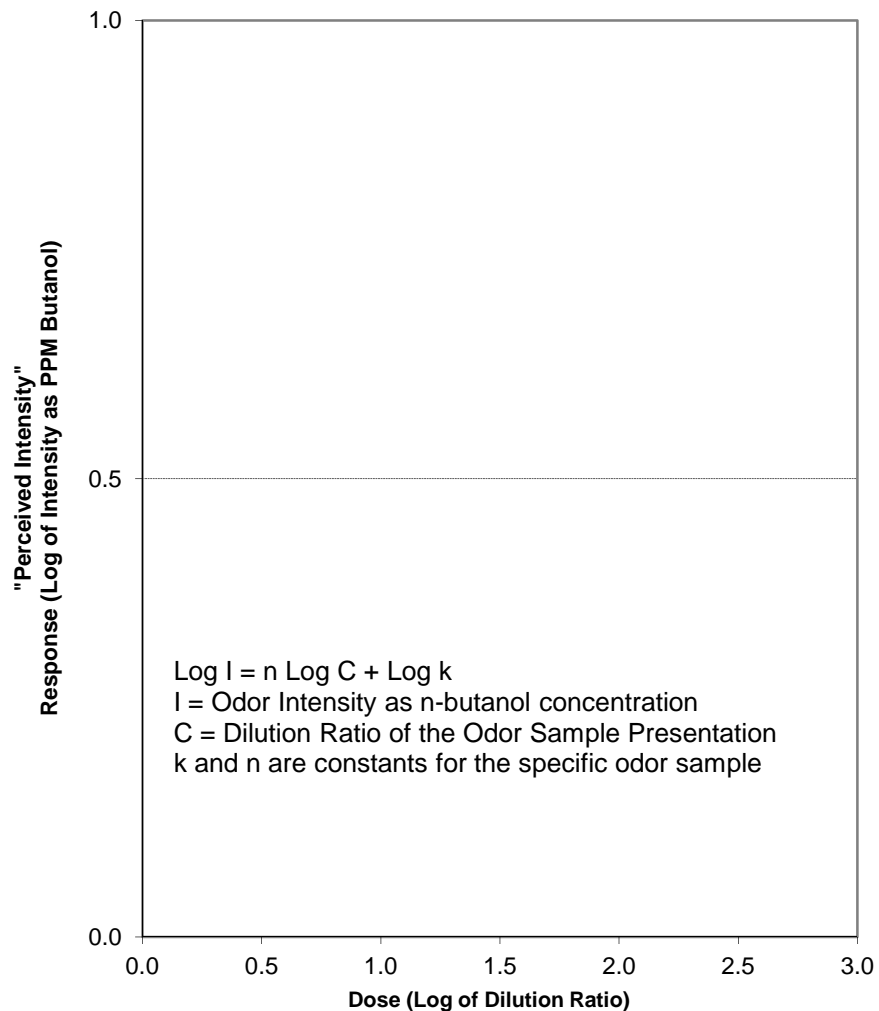
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Dose-Response



Dose-Response as Power Law

