Sentient VOC Monitoring System

View VOC Level From Graph

Version 1.0

Revision History

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 02/12/14 | 1.0 | Initial work | Jeff Clark |
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Use Case: View VOC Level from Graph

# View VOC Level from Graph

## Brief Description

This use case gives the Internet user a way to graphically view levels of a specified VOC, from a specified monitor, during a specified timeframe.

## Requirements Trace

4.1, 4.2, 4.3

## Involved Actors

Web user

## Preconditions

* The Web User has navigated to the Graph webpage.

## Post conditions

* The desired VOC level information is displayed in graphical format.

## Invariants

* None

# Flow of Events

## Basic Flow

This use case starts when the Web User wants to view the VOC Levels of a specified monitor during a specified date/time frame.

1. Web User visits the View Graph web page.
2. Web User selects the zip code of the desired monitor.
3. The Web Application updates dropdown list of available Monitors.
4. See extension point use case “Retrieve VOC Location.”
5. Web User chooses desired monitor.
6. Web User selects the desired date and time range.
7. The Web Application retrieves specified VOC Level Information for specified time range
8. Web User will view the VOC levels in graphical format.

## Alternate Course – None

# Extension Points

Use case “Retrieve VOC Location” enables Web User to select the specific monitor and VOC.

# Scenarios

## Happy Day

Assumptions: Web User - George

24 hours of VOC Level information exists for the specified monitor

Steps:

1. Web User visits the View Graph web page.
2. Web User selects the zip code of the desired monitor.
3. The Web Application updates dropdown list of available Monitors.
4. See extension point use case “Retrieve VOC Location.”
5. Web User chooses desired monitor.
6. Web User selects the desired date and time range.
7. The Web Application retrieves specified VOC Level Information for specified time range
8. Web User will view the VOC levels in graphical format.

## Rainy Day 1 – No data for the specified monitor and VOC.

Steps:

1. Web User visits the View Graph web page.
2. Web User selects the zip code of the desired monitor.
3. The Web Application updates dropdown list of available Monitors.
4. See extension point use case “Retrieve VOC Location.”
5. Web User chooses desired monitor.
6. Web User selects the desired date and time range.
7. The Web Application does not have any VOC Level Information for specified time range
8. Web User sees a message appear notifying him/her not enough data exists yet for the specified monitor and VOC.