



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

## **CASE NARRATIVE**

**New Jersey Turnpike Authority**

**Project Name: NJTA- GSP Vauxhall Service Area**

**Project # N/A**

**Chemtech Project # N5514**

**Test Name: Gases**

### **A. Number of Samples and Date of Receipt:**

11 Water samples were received on 11/07/2022.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Anions Group1, Carbon Dioxide, Dissolved ICP-TAL Metals, Dissolved Mercury, DISSOLVED METALS-TAL, Gases, Mercury, Metals ICP-TAL, METALS-TAL, Sulfide, TDS, TOC and VOCMS Group1. This data package contains results for Gases.

### **C. Analytical Techniques:**

The analyses were performed on instrument FID\_A. The column is RT-U Plot 30m X 0.32mm. The analysis of Gases was based on method RSK-175 and extraction was done based on method 3510.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS {N5551-05MS} with File ID: FA003615.D recoveries met the requirements for all compounds except for Methane[5271%] due to matrix interferences.

The MSD {N5551-06MSD} with File ID: FA003616.D recoveries met the requirements for all compounds except for Methane[5261%] due to matrix interferences.

The RPD met criteria.

The Blank Spike met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

Sample MW-6I was diluted due to high concentration.

### **E. Additional Comments:**

### **F. Manual Integration Comments:**

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature\_\_\_\_\_