



May 28, 2025

Michael Buchanan New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

#### Re: Eleventh Annual Groundwater Monitoring Report State M Lease (AP-72) Incident Number: NCS2215955789 Lea County, New Mexico

Mr. Buchanan

Equus Environmental, LLC (Equus), on behalf of our client Expand Energy Corporation, formerly Chesapeake Energy Corporation, is pleased to submit to the New Mexico Oil Conservation Division (NMOCD) in electronic format the *Eleventh Annual Groundwater Monitoring Report* (Report) detailing the eleventh year of groundwater monitoring and remediation activities conducted at the State M Lease (AP-72) located in the SE-SW-SE of Section 18, Township 17 South, Range 36 East, Lea County, New Mexico. These activities were conducted in accordance with the Stage 2 Abatement Plan for the Site approved by the NMOCD on June 27, 2013.

If you have any questions or comments regarding this Report, please do not hesitate to contact me at (918) 289-1405.

Sincerely, Equus Environmental, LLC MADH. Mugne

Matthew N. Mugavero, P.G. Senior Hydrogeologist/Project Manager

Enclosure: Eleventh Annual Groundwater Monitoring Report

xc: Patrick McMahon - Heidel, Samberson, Newell, Cox & McMahon Dana Drury - Chesapeake Energy

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# ELEVENTH ANNUAL GROUNDWATER MONITORING REPORT EXPAND ENERGY CORPORATION STATE M LEASE (AP-72) LEA COUNTY, NEW MEXICO

Prepared for:

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#### ELEVENTH ANNUAL GROUNDWATER MONITORING REPORT EXPAND ENERGY CORPORATION STATE M LEASE (AP-72) LEA COUNTY, NEW MEXICO MAY 28, 2025

# 1.0 INTRODUCTION

Expand Energy Corporation (Expand), formerly Chesapeake Energy Corporation (Chesapeake), has retained Equus Environmental, LLC (Equus) to perform impacted groundwater monitoring and light non-aqueous phase liquid (LNAPL) hydrocarbon remediation at the former Chesapeake State M Lease site (Site) located in Lea County, New Mexico. The Site is located approximately 8 miles south-southwest of Lovington, New Mexico in the SE-SW-SE of Section 18, Township 17 South, Range 36 East, Lea County, New Mexico (coordinates 32.828061° latitude, -103.391012° longitude). The Site location and topographic features are shown on **Figure 1**. A production tank battery for oil and gas was formerly located at the Site. Chesapeake began abandonment and environmental investigation activities at the Site in 2007.

Initial Site investigation activities were conducted in May 2007. These investigation activities consisted of conducting EM-31 and EM-34 ground conductivity surveys, the collection of soil samples from nine boreholes, and the installation and sampling of seven groundwater monitoring wells. Following the investigation in August 2007, Chesapeake submitted to the New Mexico Oil Conservation Division (NMOCD) a Stage 1 Abatement Plan for the Site. In May 2010, the NMOCD responded to Chesapeake that the agency was not adequately staffed to review the abatement plan in a timely manner and advised Chesapeake that they could proceed with abatement operations at risk. In July 2010, Chesapeake notified the NMOCD of their intent to proceed with the Stage 1 Abatement activities. On March 20, 2012, following implementation of these activities, Chesapeake submitted the Stage 1 Abatement Report for the Site.

On March 27, 2012, Chesapeake submitted to the NMOCD the *Stage 2 Abatement Plan* (Plan) for the Site. A copy of the Plan is provided in **Appendix A**. In this Plan, Chesapeake proposed the following abatement activities at the Site:

• Excavate and remove the near-surface soils at the Site containing concentrations of chloride exceeding 1,000 milligrams per kilogram (mg/kg),

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- Excavate and remove the near-surface soils at the Site containing concentrations of TPH exceeding 1,000 mg/kg,
- Install clay liners in areas where chloride and/or TPH concentrations exceed 1,000 mg/kg at depths greater than five feet below ground level (BGL),
- Install one additional groundwater monitoring well downgradient of the Site,
- Monitor the groundwater at the Site until the concentrations of chloride and benzene are below the New Mexico Water Quality Control Commission (WQCC) standards.

On March 7, 2013, NMOCD notified Chesapeake that the Plan was administratively complete and that Chesapeake should proceed with public notice of the Plan. On March 30, 2013, Chesapeake published a notice of the proposed activities in the Albuquerque Journal, the Hobbs-Daily News Sun and the Lovington Leader. In addition, written notification of the Plan submittal was sent to all surface owners of record within a 1-mile radius of the Site. On June 27, 2013 upon completion of the notification activities, the NMOCD approved the Plan for the Site. A copy of the NMOCD correspondence approving the Plan is included in **Appendix B**.

The soil remediation activities outlined in the Plan were conducted at the Site during the period January 15, 2014 through March 27, 2014. The soil remediation activities were summarized in the document titled *Soil Remediation Summary Report*, submitted to the NMOCD on August 6, 2014.

This *Eleventh Annual Groundwater Monitoring Report* (Report) summarizes the groundwater monitoring activities conducted at the Site during the following quarterly sampling events:

- Forty-First Event June 18, 2024,
- Forty-Second September 6, 2024,
- Forty-Third Event November 21, 2024,
- Forty-Fourth Event March 20, 2025.

#### 2.0 **REMEDIATION**

#### 2.1 SVE SYSTEM

As documented in the *First Annual Groundwater Monitoring Report*, dated May 19, 2015, during the period May 12-14, 2014, a soil vapor extraction (SVE) remediation system (System) was installed and made operational at the Site. The System is comprised of 8 SVE wells connected through a manifold system constructed of two- and three-inch Schedule 80 PVC piping and plumbed to a 10-horsepower 3-phase SVE Regenerative Blower housed within the System Building. The location of the SVE wells and the System Building are shown on attached **Figure 2**. Within the System, soil vapor from the SVE wells is drawn through a moisture knock out/separator and a particulate filter prior to reaching the blower. An air-flow meter is installed downstream of the blower in the air-exhaust line and an air sample port is located on the air-exhaust line at a location upstream of its exit from the System Building.

System start-up was conducted on June 6, 2014. Routine checks of the System are conducted to record the blower run times, discharge rate and volatile organic compounds (VOC) concentration of the discharge-air stream. VOC concentrations are measured with a photo-ionization detector (PID) data in the field. These PID data are then entered into to a spreadsheet to calculate both the VOC discharge rate and approximate total pounds of VOCs removed by the System. The approximate total VOC discharges for each quarter are then summed to provide a cumulative VOC discharge total. These data are summarized in **Table 1**. Through March 20, 2025, the field PID data suggests that approximately 15,238.95 pounds of VOCs have been removed from the subsurface and discharged from the System.

In addition to the collection of field data, discharged-air samples are collected quarterly using laboratory provided Suma canisters and shipped under chain-of-custody control to Eurofins TestAmerica, Pittsburgh, Pennsylvania. Discharged-air samples are then analyzed for VOC compounds and total VOCs as hexane by Method TO-15. The discharged-air analytical data are used to compute a correlation factor for the field PID readings to more accurately calculate the total VOCs discharged.

During the forty-first quarter, discharge-air sample 20240618 M-1 was collected on June 18, 2024. On this date, the System had been running for a total of 84,522 hours, was operating at 484 CFM and had a field reading of 11.3 PPM from the discharge air stream. Laboratory analytical results for this discharge-air sample indicated a total VOC as Hexane concentration of 3,200 PPB V/V (3.2 PPM V/V).

During the forty-second quarter, discharge-air sample 20240906 M-1 was collected on September 6, 2024. On this date, the System had been running for a total of 86,438 hours, was operating at 492 CFM and had a field reading of 30.0 PPM from the discharge air stream. Laboratory analytical results for this discharge-air sample indicated a total VOC as Hexane concentration of 2,800 PPB V/V (2.8 PPM V/V).

During the forty-third quarter, discharge-air sample 20241121 M-1 was collected on November 21, 2024. On this date, the System had been running for approximately 88,261 hours, was operating at 474 ACFM and had a field reading 12.4 PPM from the discharge air stream. Laboratory analytical results for this discharge-air sample indicated a total VOC as Hexane concentration of 1,900 PPB V/V (1.9 PPM V/V).

During the forty-fourth quarter, discharge-air sample 20250320 M-1 was collected on March 20, 2025. On this date, the System had been running for a total of 91,119 hours, was operating at 438 ACFM and had a field reading of 2.1 PPM from the discharge air stream. Laboratory analytical results for this discharge-air sample indicated a total VOC as Hexane concentration of 3,000 PPB V/V (3.0 PPM V/V).

A summary of the laboratory analytical results for the discharged-air samples is presented in **Table 2**, and complete copies of the laboratory analytical reports and chain-of-custody documentation are provided in **Appendix C**.

Field PID instrument readings are typically lower than laboratory analysis for total VOCs. To compensate for the low field PID readings, a correlation factor is calculated based upon the ratio of the laboratory analytical value versus the field PID value. The correlation factor is then used to multiply the field PID readings and calculate the total pounds of VOCs discharged from the System. To accurately reflect the total pounds of VOCs discharged from the System <u>during a given period</u>, **Table 1** also includes the unique correlation factor is then utilized to calculate the total pounds of VOCs discharged for each quarterly air-discharge sampling event. This unique correlation factor is then utilized to calculate the total pounds of VOCs discharged from the System for the period in which that particular air-discharge sample was collected. Utilizing the noted correlation factors, approximately 15,238.95 pounds (7.71 tons) of VOCs have been removed from the subsurface at the Site.

**Figure 3** presents a graph of the VOC concentrations observed in the discharge air stream versus time. As can be seen on this figure, the levels of VOC observed in the air discharge stream have decreased dramatically since startup. These data indicate that the System is effective at

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removing hydrocarbon vapors from the subsurface. Removal of hydrocarbon vapors coupled with the influx of oxygen drawn into the impacted area by the System enhances biodegradation of the hydrocarbon impacts observed in this area.

# 2.2 MW-1R LNAPL RECOVERY

As documented in the *First Annual Groundwater Monitoring Report*, dated May 19, 2015, to enhance LNAPL recovery in the MW-1R area, 2-inch diameter monitoring well MW-1 was plugged and replaced with 4-inch diameter monitoring well MW-1R. On June 5, 2014, a QED Environmental Genie LNAPL recovery pump was placed and made operational in monitoring well MW-1R.

The observed LNAPL thicknesses in MW-1R during this reporting period ranged from 0.05-feet to 0.25-feet. The volume of LNAPL observed within monitoring well MW-1R is outside of the recovery range for the LNAPL recovery pump. To facilitate LNAPL recovery, Chesapeake began deploying hydrophobic LNAPL absorption socks within MW-1R on June 21, 2022. These socks are changed out as necessary.

During the operation of the Genie LNAPL recovery pump, approximately 15 drums (822.5 gallons) of LNAPL have been removed from the subsurface.

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# 3.0 QUARTERLY GROUNDWATER MONITORING

This Report describes the findings from four quarterly groundwater sampling events conducted at the Site from June 18, 2024 through March 20, 2025. The constituents of concern (COC) at the Site consists of chloride and benzene, toluene, ethylbenzene, and xylenes (BTEX). The laboratory analytical results for chloride and BTEX from these sampling events are screened against *the New Mexico Administrative Code (NMAC) 20.6.2, Standards for Groundwater of 10,000 mg/L TDS Concentration or Less*, as issued by the WQCC. The applicable cleanup standards presented in *NMAC 20.6.2* consist of the following: chloride (250 mg/L), benzene (5  $\mu$ g/L), toluene (1,000  $\mu$ g/L), ethylbenzene (700  $\mu$ g/L), and total xylenes (620  $\mu$ g/L), herein referenced to as the Limit(s). According to the remediation goals set in the Plan, each Site monitoring well is required to exhibit eight consecutive monitoring events where chloride is less than the Limit. In addition, the same applies for BTEX constituents in monitoring well MW-1R, only.

Monitoring well MW-4 is the only well that continues to exhibit concentrations of chloride that are greater than the Limit of 250 mg/L. The remaining groundwater monitoring wells at the Site have met the criteria for exhibiting eight consecutive monitoring events with chloride concentrations less than the Limit. Expand continues to collect groundwater samples for chloride analysis from monitoring well MW-4.

Monitoring well MW-1R met the remediation goals for BTEX constituents at the end of the 2023 monitoring period and therefore was not sampled during this 2024 reporting period. On June 11, 2024, the NMOCD approved the suspension of monitoring well MW-1R from the sampling program, stating that BTEX has been demonstrated to be below the WQCC human health standards for eight consecutive monitoring events. A copy of this correspondence is provided in **Appendix D**.

#### 3.1 DEPTH-TO-GROUNDWATER MEASUREMENTS

Prior to collecting groundwater samples during each quarterly event, Equus gauged the 8 monitoring wells (MW-1R through MW-8) at the Site using an electronic interface probe to determine the depth-to-water (DTW) and LNAPL thickness within each well. The locations of these monitoring wells are shown on **Figure 2**. DTWs were measured from the surveyed top-of-casing (TOC) of each well and converted to elevations relative to mean sea level. These data are presented in **Table 3**. A potentiometric surface map was constructed utilizing groundwater elevation data from the March 20, 2025 monitoring event to illustrate the

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within the chellow groundwater overteen beneath the Site. This

groundwater flow direction within the shallow groundwater system beneath the Site. This potentiometric surface map is presented on **Figure 4**. As can be seen on **Figure 4**, groundwater flow at the Site is, in general, from the northwest to the southeast.

#### 3.2 GROUNDWATER SAMPLING METHODS

Upon completion of DTW measurement activities, Equus field personnel collected groundwater samples per the Plan. Groundwater samples were collected from monitoring wells MW-4 for chloride utilizing EPA approved low-flow purging/sampling methodologies. Field parameters consisting of pH, specific conductivity, temperature, and dissolved oxygen (DO) were measured during field activities utilizing a multi-parameter meter and air-tight flow-through cell. Upon stabilization of the field parameters, the groundwater sample was collected into laboratory prepared containers, labeled as to source and contents, placed on ice for preservation, placed under chain-of-custody control and shipped via overnight courier to the analytical laboratory (Eurofins, Edison, New Jersey). As per the Plan, groundwater samples collected from these monitoring wells were analyzed for chloride by EPA Method 300.0. A summary of the laboratory analytical results for chloride and BTEX analyses are presented in **Tables 4** and **5**, respectively. Complete copies of the laboratory analytical reports and chain-of-custody documentation are provided in **Appendix C**.

# 3.3 FORTY-FIRST QUARTERLY GROUNDWATER SAMPLING RESULTS

The forty-first groundwater sampling event was conducted at the Site on June 18, 2024. As can be seen in **Table 4**, the groundwater sample collected from monitoring well MW-4 exhibited a concentration of chloride (374 mg/L) that exceeds the Limit of 250 mg/L. During the forty-first quarterly groundwater sampling event, LNAPL was observed in monitoring well MW-1R at a thickness of 0.25 feet.

# 3.4 FORTY-SECOND QUARTERLY GROUNDWATER SAMPLING RESULTS

The forty-second quarterly groundwater sampling event was conducted at the Site from September 6, 2024. As can be seen in **Table 4**, the groundwater sample collected from monitoring well MW-4 exhibited a concentration of chloride (361 mg/L) that exceeds the Limit of 250 mg/L. During the forty-first quarterly groundwater sampling event, LNAPL was observed in monitoring well MW-1R at a thickness of 0.07 feet.

#### 3.5 FORTY-THIRD QUARTERLY GROUNDWATER SAMPLING RESULTS

The forty-third quarterly groundwater sampling event was conducted at the Site on November 21, 2024. As can be seen in **Table 4**, the groundwater sample collected from monitoring well

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MW-4 exhibited a concentration of chloride (345 mg/L) that exceeds the Limit of 250 mg/L. During the forty-third quarterly groundwater sampling event, LNAPL was observed in monitoring well MW-1R at a thickness of 0.04 feet.

### 3.6 FORTY-FOURTH QUARTERLY GROUNDWATER SAMPLING RESULTS

The forty-fourth quarterly groundwater sampling event was conducted at the Site on March 20, 2025. As can be seen in **Table 4**, the groundwater sample collected from monitoring well MW-4 exhibited a chloride concentration (290 mg/L) that exceeds the Limit of 250 mg/L. During the forty-fourth quarterly groundwater sampling event, LNAPL was not observed in monitoring well MW-1R.

**Figure 5** presents an isopleth map depicting chloride concentrations in groundwater at the Site. The data used to prepare this isopleth map includes the most recent chloride concentration detected in monitoring well MW-4 (March 20, 2025), and chloride concentrations from the last reported sampling date for each of the remaining Site monitoring wells. As can be seen in **Figure 5**, a relatively small areal extent of chloride impacted groundwater remains at concentrations greater than 250 mg/L Limit.

**Figure 6** presents chloride concentration trend graphs for each of the monitoring wells sampled at the Site. The decreasing trends shown on these graphs indicate that the soil remediation activities conducted in the first quarter of 2014 have removed the continuing source of chloride causing impacts to the groundwater at the Site. Source removal has facilitated the physical natural attenuation mechanisms of dispersion and dilution on remnant chloride concentrations present in Site groundwater.

#### 4.0 CONCLUSIONS

Based upon the data presented herein, the following conclusions are presented:

- Groundwater beneath the Site is encountered at depths ranging from 47.75 to 49.25 feet from the surveyed top-of-casing of the Site monitoring wells.
- The direction of groundwater flow at the Site is, in general, from the northwest to the southeast.
- The SVE System is operating as designed and has removed approximately 15,238.95 pounds of VOCs since start-up on June 6, 2014.
- Monitoring well MW-4 is the only remaining well exhibiting concentrations of chloride greater than the Limit of 250 mg/L. During this latest reporting period, chloride concentrations in monitoring well MW-4 ranged from 290 mg/L to 374 mg/L.
- During the reporting period, LNAPL continues to be removed from monitoring well MW-1R with hydrophobic absorbent socks. Apparent LNAPL thicknesses measured in monitoring well MW-1R have been on a decreasing trend and ranged from 0.00-feet to 0.25-feet during this reporting period.
- Monitoring well MW-1R has exhibited BTEX concentrations less than the applicable cleanup Limits for eight straight quarterly monitoring events and has been removed from the sampling protocol.

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#### 5.0 **RECOMMENDATIONS**

Based upon a review of the data presented within this report, the following recommendations have been developed:

- Operation of the LNAPL skimmer-pump within monitoring well MW-1R has been stopped as the apparent LNAPL thickness observed within this well is too thin to be recovered utilizing this technology. Hydrophobic absorption socks should continue to be placed in MW-1R to remove intermittent, thin films of LNAPL, when present. These socks should continue to be changed out during each quarterly event.
- The SVE system should continue to be operated for volatile organic vapor removal from the vadose zone.
- The collection of groundwater samples from monitoring well MW-1R has ceased, as dissolved-phase BTEX constituents have been reported to be below the New Mexico Water Quality Control Commission Limits of 5 µg/L, 1,000 µg/L, 700 µg/L, and 620 µg/L, respectively, for eight consecutive quarters.
- The groundwater within monitoring well MW-4 should continue to be monitored on a quarterly basis for chloride until eight consecutive quarterly sampling events result in chloride levels less than the New Mexico Water Quality Control Commission standards. The next groundwater monitoring event at the Site is scheduled to be conducted in June 2024.

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# TABLES

**Released to Imaging: 6/17/2025 9:46:51 AM** 

#### Received by OCD: 6/4/2025 10:09:49 AT able 1 : Summary of SVE System Field Readings Expand Energy Corporation, State M Lease (AP-72) Lea County, New Mexico

|          |       | Run      | Operating    | Hours  | Discharge | Readings |        | VOC Disc       | harge   |      | Calculated  |
|----------|-------|----------|--------------|--------|-----------|----------|--------|----------------|---------|------|-------------|
| Date     | Time  | Time     | since        |        |           |          |        | lbs since last | Tota    | ıl   | Correlation |
|          |       | Reading  | last reading | Total  | PPM       | CFM      | lbs/Hr | Reading        | lbs     | Tons | Factor      |
| 06/07/14 | 8:00  | 4131.73  | 19.73        | 20     | 596       | 519      | 2.281  | 44.99          | 44.99   | 0.02 |             |
| 06/08/14 | 7:10  | 4154.69  | 22.96        | 43     | 398       | 483      | 1.416  | 32.50          | 77.50   | 0.04 |             |
| 06/08/14 | 9:15  | 4156.94  | 2.25         | 45     | 5000      | 489      | 18.021 | 40.55          | 118.05  | 0.06 |             |
| 06/12/14 | 12:40 | 4256.45  | 99.51        | 144    | 1817      | 120      | 1.607  | 159.92         | 277.96  | 0.14 |             |
| 06/12/14 | 12:43 | 4259.65  | 3.20         | 148    | 1561      | 117      | 1.346  | 4.31           | 282.27  | 0.14 |             |
| 06/13/14 | 7:15  | 4274.90  | 18.45        | 163    | 1804      | 122      | 1.622  | 29.93          | 307.89  | 0.15 |             |
| 06/13/14 | 7:17  | 4276.27  | 1.37         | 164    | 3390      | 121      | 3.023  | 4.14           | 312.03  | 0.16 |             |
| 06/13/14 | 7:18  | 4277.08  | 0.81         | 165    | 2301      | 120      | 2.035  | 1.65           | 313.68  | 0.16 |             |
| 06/19/14 | 12:05 | 4422.02  | 144.94       | 310    | 1153      | 120      | 1.020  | 147.81         | 461.49  | 0.23 |             |
| 06/19/14 | 13:30 | 4423.74  | 1.72         | 312    | 1117      | 107      | 0.881  | 1.52           | 463.00  | 0.23 |             |
| 06/19/14 | 16:00 | 4426.00  | 2.26         | 314    | 1448      | 121      | 1.291  | 2.92           | 465.92  | 0.23 | 0.98        |
| 06/24/14 | 12:05 | 4543.27  | 117.27       | 431    | 1440      | 120      | 1.274  | 149.36         | 615.28  | 0.31 | 0.98        |
| 06/26/14 | 12:40 | 4591.01  | 165.01       | 479    | 1970      | 127      | 1.844  | 304.28         | 919.56  | 0.46 |             |
| 06/26/14 | 12:42 | 4593.20  | 2.19         | 481    | 1968      | 120      | 1.741  | 3.81           | 923.37  | 0.46 |             |
| 07/03/14 | 9:35  | 4755.92  | 162.72       | 644    | 1650      | 126      | 1.532  | 249.34         | 1172.71 | 0.59 |             |
| 07/03/14 | 9:37  | 4757.95  | 2.03         | 646    | 1318      | 126      | 1.224  | 2.48           | 1175.20 | 0.59 |             |
| 07/09/14 | 11:40 | 4901.77  | 143.82       | 790    | 875       | 126      | 0.812  | 116.80         | 1292.00 | 0.65 |             |
| 07/09/14 | 11:42 | 4903.69  | 1.92         | 792    | 795       | 124      | 0.727  | 1.40           | 1293.39 | 0.65 |             |
| 07/17/14 | 12:33 | 5094.48  | 190.79       | 982    | 790       | 124      | 0.722  | 137.75         | 1431.15 | 0.72 |             |
| 07/17/14 | 12:34 | 5095.13  | 0.65         | 983    | 790       | 127      | 0.739  | 0.48           | 1431.63 | 0.72 |             |
| 07/17/14 | 12:36 | 5097.75  | 2.62         | 986    | 790       | 127      | 0.739  | 1.94           | 1433.56 | 0.72 |             |
| 08/01/14 | 11:00 | 5452.10  | 354.35       | 1,340  | 1078      | 139      | 1.104  | 391.35         | 1824.91 | 0.91 |             |
| 08/01/14 | 11:42 | 5454.03  | 1.93         | 1,342  | 938       | 150      | 1.037  | 2.00           | 1826.91 | 0.91 |             |
| 08/01/14 | 11:44 | 5456.32  | 2.29         | 1,344  | 2314      | 14       | 0.239  | 0.55           | 1827.46 | 0.91 |             |
| 10/10/14 | 13:00 | 7118.38  | 1662.06      | 3,006  | 130       | 51       | 0.049  | 81.70          | 1909.16 | 0.95 |             |
| 10/10/14 | 13:02 | 7120.15  | 1.77         | 3,008  | 216       | 58       | 0.093  | 0.16           | 1909.32 | 0.95 | 1.86        |
| 10/31/14 | 13:00 | 7622.85  | 502.70       | 3,511  | 161       | 48       | 0.057  | 28.63          | 1937.95 | 0.97 |             |
| 10/31/14 | 13:04 | 7624.49  | 1.64         | 3,512  | 78        | 54       | 0.031  | 0.05           | 1938.00 | 0.97 |             |
| 12/11/14 | 13:50 | 8607.53  | 983.04       | 4,496  | 352       | 131      | 0.340  | 334.10         | 2272.11 | 1.14 |             |
| 01/15/15 | 10:11 | 9441.32  | 833.79       | 5,329  | 47        | 131      | 0.045  | 37.60          | 2309.70 | 1.15 |             |
| 01/15/15 | 10:12 | 9442.31  | 0.99         | 5,330  | 173       | 152      | 0.194  | 0.19           | 2309.89 | 1.15 |             |
| 01/15/15 | 10:15 | 9445.26  | 2.95         | 5,333  | 388       | 136      | 0.389  | 1.15           | 2311.04 | 1.16 |             |
| 01/29/15 | 11:50 | 9778.04  | 332.78       | 5,666  | 240       | 54       | 0.095  | 31.49          | 2342.53 | 1.17 | 0.21        |
| 01/29/15 | 11:52 | 9780.13  | 2.09         | 5,668  | 239       | 50       | 0.088  | 0.18           | 2342.72 | 1.17 | 0.21        |
| 02/26/15 | 11:00 | 10448.98 | 668.85       | 6,337  | 72        | 137      | 0.073  | 48.63          | 2391.35 | 1.20 |             |
| 02/26/15 | 11:02 | 10450.10 | 1.12         | 6,338  | 178       | 155      | 0.204  | 0.23           | 2391.57 | 1.20 |             |
| 03/12/15 | 10:15 | 10780.66 | 330.56       | 6,669  | 483       | 155      | 0.552  | 182.40         | 2573.97 | 1.29 |             |
| 04/28/15 | 8:30  | 11901.34 | 1120.68      | 7,789  | 126       | 114      | 0.106  | 118.86         | 2692.84 | 1.35 |             |
| 04/28/15 | 8:36  | 11907.42 | 6.08         | 7,795  | 132       | 126      | 0.123  | 0.75           | 2693.58 | 1.35 |             |
| 05/14/15 | 9:05  | 12285.12 | 377.70       | 8,173  | 96        | 55       | 0.039  | 14.68          | 2708.26 | 1.35 | 1.10        |
| 05/14/15 | 9:10  | 12290.05 | 4.93         | 8,178  | 105       | 58       | 0.045  | 0.22           | 2708.48 | 1.35 | 1.10        |
| 05/28/15 | 11:30 | 12623.70 | 333.65       | 8,512  | 6         | 150      | 0.006  |                | 2710.55 | 1.36 |             |
| 06/11/15 | 10:39 | 12650.70 | 27.00        | 8,539  | 318       | 172      | 0.403  | 10.88          | 2721.43 | 1.36 |             |
| 07/02/15 | 11:00 | 13154.04 |              | 9,042  | 85        | 112      | 0.070  | 35.32          | 2756.75 | 1.38 | 0.76        |
| 09/03/15 | 8:00  | 14662.17 | 1508.13      | 10,550 | 249       | 104      | 0.191  | 287.85         | 3044.60 | 1.52 | 0.76        |
| 12/10/15 | 13:00 | 17015.28 | 2353.11      | 12,903 | 162       | 95       | 0.113  |                | 3311.52 | 1.66 | 0.86        |

#### Received by OCD: 6/4/2025 10:09:49 A Table 1 : Summary of SVE System Field Readings Expand Energy Corporation, State M Lease (AP-72) Lea County, New Mexico

|          |       | Run      | Operating    | Hours  | Discharge | Readings |        | VOC Disc       | harge   |      | Calculated  |
|----------|-------|----------|--------------|--------|-----------|----------|--------|----------------|---------|------|-------------|
| Date     | Time  | Time     | since        |        |           |          |        | lbs since last | Tota    | l    | Correlation |
|          |       | Reading  | last reading | Total  | PPM       | CFM      | lbs/Hr | Reading        | lbs     | Tons | Factor      |
| 03/10/16 | 12:00 | 17899.58 | 884.30       | 13,788 | 209       | 105      | 0.162  | 143.03         | 3454.55 | 1.73 | 1.78        |
| 06/29/16 | 8:00  | 20558.59 | 2659.01      | 16,447 | 156       | 101      | 0.116  | 309.58         | 3764.13 | 1.88 | 3.77        |
| 07/27/16 | 12:30 | 21232.43 | 673.84       | 17,120 | 126       | 103      | 0.095  | 64.20          | 3828.33 | 1.91 |             |
| 08/25/16 | 11:00 | 21927.96 | 695.53       | 17,816 | 115       | 270      | 0.229  | 159.45         | 3987.78 | 1.99 | 1.55        |
| 09/22/16 | 10:20 | 22596.81 | 668.85       | 18,485 | 169       | 220      | 0.274  | 183.07         | 4170.85 | 2.09 |             |
| 12/08/16 | 9:30  | 24443.73 | 1846.92      | 20,332 | 109       | 220      | 0.177  | 327.03         | 4497.88 | 2.25 | 6.59        |
| 01/10/17 | 12:23 | 24758.20 | 314.47       | 20,646 | 173       | 233      | 0.297  | 93.37          | 4591.25 | 2.30 |             |
| 01/25/17 | 10:56 | 25115.43 | 357.23       | 21,003 | 206       | 179      | 0.271  | 96.95          | 4688.20 | 2.34 | 3.06        |
| 02/22/17 | 10:35 | 25786.27 | 670.84       | 21,674 | 248       | 214      | 0.391  | 262.30         | 4950.50 | 2.48 | 5.00        |
| 03/09/17 | 11:04 | 26146.82 | 360.55       | 22,035 | 321       | 209      | 0.495  | 178.51         | 5129.01 | 2.56 |             |
| 04/05/17 | 11:55 | 26792.33 | 645.51       | 22,680 | 454       | 113      | 0.378  | 244.08         | 5373.09 | 2.69 |             |
| 05/16/17 | 7:00  | 26967.77 | 175.44       | 22,856 | 61        | 198      | 0.089  | 15.69          | 5388.79 | 2.69 | 5.78        |
| 06/07/17 | 13:00 | 27495.83 | 528.06       | 23,384 | 54        | 221      | 0.087  | 46.02          | 5434.80 | 2.72 |             |
| 09/07/17 | 11:36 | 29698.50 | 2202.67      | 25,587 | 62        | 200      | 0.091  | 201.31         | 5636.11 | 2.82 |             |
| 09/22/17 | 11:30 | 30057.43 | 358.93       | 25,945 | 56        | 211      | 0.087  | 31.26          | 5667.37 | 2.83 |             |
| 10/04/17 | 10:15 | 30344.40 | 286.97       | 26,232 | 57        | 198      | 0.083  | 23.87          | 5691.24 | 2.85 | 0.81        |
| 11/02/17 | 13:00 | 31042.78 | 698.38       | 26,931 | 58        | 185      | 0.079  | 55.23          | 5746.48 | 2.87 | 0.01        |
| 12/01/17 | 12:30 | 31739.31 | 696.53       | 27,627 | 59        | 192      | 0.083  | 58.16          | 5804.63 | 2.90 |             |
| 12/06/17 | 12:40 | 31859.62 | 120.31       | 27,748 | 6         | 270      | 0.011  | 1.36           | 5806.00 | 2.90 |             |
| 12/18/17 | 15:00 | 32149.36 | 289.74       | 28,037 | 60        | 208      | 0.092  | 26.65          | 5832.65 | 2.92 |             |
| 01/09/18 | 10:00 | 32672.25 | 522.89       | 28,560 | 52        | 189      | 0.072  |                | 5870.52 | 2.94 |             |
| 01/26/18 | 10:15 | 33080.48 | 408.23       | 28,968 | 48        | 172      | 0.061  | 24.84          | 5895.36 | 2.95 |             |
| 02/09/18 | 13:10 | 33416.85 | 336.37       | 29,305 | 32        | 220      | 0.052  | 17.45          | 5912.82 | 2.96 | 0.19        |
| 02/23/18 | 11:15 | 33753.60 | 336.75       | 29,642 | 34        | 186      | 0.047  | 15.70          | 5928.51 | 2.96 |             |
| 03/07/18 | 10:55 | 34040.75 | 287.15       | 29,929 | 52        | 227      | 0.087  | 24.98          | 5953.50 | 2.98 |             |
| 03/16/18 | 13:03 | 34251.67 | 210.92       | 30,140 | 48        | 195      | 0.069  |                | 5968.05 | 2.98 |             |
| 04/13/18 | 9:15  | 34970.90 | 719.23       | 30,859 | 46        | 200      | 0.068  | 48.77          | 6016.82 | 3.01 |             |
| 04/30/18 | 13:16 | 35332.87 | 361.97       | 31,221 | 46        | 200      | 0.068  |                | 6041.36 | 3.02 |             |
| 05/15/18 | 13:34 | 35692.17 | 359.30       | 31,580 | 48        | 200      | 0.071  | 25.42          | 6066.78 | 3.03 |             |
| 05/29/18 | 14:20 | 36028.04 | 335.87       | 31,916 | 48        | 200      | 0.071  | 23.77          | 6090.55 | 3.05 | 0.65        |
| 06/04/18 | 16:30 | 36169.50 | 141.46       | 32,058 | 71        | 200      | 0.105  | 14.81          | 6105.35 | 3.05 |             |
| 06/20/18 | 14:30 | 36556.30 | 386.80       | 32,444 | 48        | 200      | 0.071  | 27.37          | 6132.72 | 3.07 |             |
| 07/03/18 | 10:30 | 36865.13 | 308.83       | 32,753 | 56        | 520      | 0.215  | 66.28          | 6199.01 | 3.10 |             |
| 07/19/18 | 10:40 | 37249.27 | 384.14       | 33,137 | 46        | 486      | 0.165  | 63.30          | 6262.30 | 3.13 |             |
| 08/09/18 | 12:30 | 37754.97 | 505.70       | 33,643 | 58        | 386      | 0.165  | 83.45          | 6345.75 | 3.17 | 2.13        |
| 09/06/18 |       |          |              |        | 36        |          |        |                |         |      |             |
| 09/19/18 | 12:00 | 38730.31 | 975.34       | 34,618 | 46        | 405      | 0.137  | 133.93         | 6479.67 | 3.24 |             |
| 10/04/18 | 15:30 | 39093.45 |              | 34,981 | 73        | 425      | 0.227  |                | 6562.14 | 3.28 |             |
| 10/18/18 | 13:00 | 39428.14 |              | 35,316 | 42        | 261      | 0.081  |                | 6589.19 | 3.29 |             |
| 10/31/18 | 13:40 | 39716.90 |              | 35,605 | 52        | 317      | 0.121  | 35.08          | 6624.27 | 3.31 |             |
| 11/16/18 | 8:00  | 39983.80 |              | 35,872 | 68        | 156      | 0.078  |                | 6645.14 | 3.32 | 1.19        |
| 11/16/18 | 9:54  | 39985.70 |              | 35,874 | 77        | 264      | 0.149  |                | 6645.42 | 3.32 |             |
| 12/11/18 | 14:20 | 40585.95 | 600.25       | 36,474 | 90        | 150      | 0.099  |                | 6704.95 | 3.35 |             |
| 12/27/18 | 13:40 | 40965.57 | 379.62       | 36,854 | 72        | 310      | 0.165  | 62.45          | 6767.40 | 3.38 |             |

#### Received by OCD: 6/4/2025 10:09:49 A Table 1 : Summary of SVE System Field Readings Expand Energy Corporation, State M Lease (AP-72) Lea County, New Mexico

|          |       | Run      | Operating    | Hours  | Discharge | Readings |        | VOC Discl      | narge   |      | Calculated  |
|----------|-------|----------|--------------|--------|-----------|----------|--------|----------------|---------|------|-------------|
| Date     | Time  | Time     | since        |        |           |          |        | lbs since last | Tota    | ıl   | Correlation |
|          |       | Reading  | last reading | Total  | PPM       | CFM      | lbs/Hr | Reading        | lbs     | Tons | Factor      |
| 01/24/19 | 14:58 | 41636.05 | 670.48       | 37,524 | 63        | 275      | 0.128  | 85.62          | 6853.01 | 3.43 |             |
| 02/05/19 | 12:02 | 41919.95 | 283.90       | 37,808 | 48        | 251      | 0.088  | 25.08          | 6878.09 | 3.44 |             |
| 02/21/19 | 12:00 | 42303.95 | 384.00       | 38,192 | 26        | 218      | 0.042  | 16.10          | 6894.20 | 3.45 |             |
| 03/07/19 | 7:00  | 42632.85 | 328.90       | 38,521 | 80        | 208      | 0.122  | 40.29          | 6934.48 | 3.47 | 0.97        |
| 03/22/19 | 11:09 | 42986.51 | 353.66       | 38,875 | 47        | 177      | 0.062  | 21.78          | 6956.26 | 3.48 |             |
| 04/03/19 | 15:00 | 43277.65 | 291.14       | 39,166 | 58        | 440      | 0.186  | 54.29          | 7010.55 | 3.51 |             |
| 04/18/19 | 12:00 | 43634.32 | 356.67       | 39,522 | 105       | 450      | 0.348  | 124.21         | 7134.76 | 3.57 |             |
| 05/17/19 | 13:30 | 44330.99 | 696.67       | 40,219 | 39        | 365      | 0.104  | 72.34          | 7207.11 | 3.60 |             |
| 06/12/19 | 17:00 | 44952.75 | 621.76       | 40,841 | 6         | 170      | 0.008  | 4.67           | 7211.78 | 3.61 |             |
| 06/25/19 | 11:00 | 45283.69 | 330.94       | 41,172 | 23        | 445      | 0.075  | 24.97          | 7236.75 | 3.62 |             |
| 07/09/19 | 13:30 | 45573.87 | 290.18       | 41,462 | 27        | 360      | 0.072  | 20.79          | 7257.53 | 3.63 |             |
| 07/22/19 | 14:00 | 45906.56 | 332.69       | 41,795 | 27        | 425      | 0.083  | 27.62          | 7285.15 | 3.64 | 0.87        |
| 08/05/19 | 11:30 | 46239.45 | 332.89       | 42,127 | 37        | 462      | 0.126  | 41.94          | 7327.09 | 3.66 |             |
| 08/19/19 | 11:00 | 46575.01 | 335.56       | 42,463 | 23        | 533      | 0.090  | 30.32          | 7357.41 | 3.68 |             |
| 09/03/19 | 15:15 | 46937.77 | 362.76       | 42,826 | 31        | 455      | 0.104  | 37.71          | 7395.12 | 3.70 |             |
| 09/05/19 | 7:30  | 46980.41 | 42.64        | 42,868 | 79        | 227      | 0.133  | 5.65           | 7400.77 | 3.70 |             |
| 09/16/19 | 11:30 | 47242.95 | 262.54       | 43,131 | 21        | 372      | 0.058  | 15.12          | 7415.89 | 3.71 |             |
| 09/30/19 | 11:00 | 47576.43 | 333.48       | 43,464 | 24        | 355      | 0.063  | 20.94          | 7436.83 | 3.72 |             |
| 10/16/19 | 12:00 | 47958.94 | 382.51       | 43,847 | 22        | 280      | 0.045  | 17.37          | 7454.20 | 3.73 |             |
| 10/28/19 | 11:45 | 48246.61 | 287.67       | 44,135 | 16        | 326      | 0.038  | 11.06          | 7465.26 | 3.73 |             |
| 11/11/19 | 11:00 | 48581.38 | 334.77       | 44,469 | 35        | 488      | 0.127  | 42.56          | 7507.82 | 3.75 |             |
| 11/11/19 | 12:10 | 48582.46 | 1.08         | 44,470 | 27        | 188      | 0.037  | 0.04           | 7507.86 | 3.75 | 0.88        |
| 11/26/19 | 11:20 | 48916.78 | 334.32       | 44,805 | 16        | 284      | 0.033  | 10.95          | 7518.82 | 3.76 |             |
| 11/26/19 | 11:50 | 48917.34 | 0.56         | 44,805 | 26        | 472      | 0.089  | 0.05           | 7518.87 | 3.76 |             |
| 12/11/19 | 10:30 | 49294.17 | 376.83       | 45,182 | 30        | 214      | 0.047  | 17.79          | 7536.65 | 3.77 |             |
| 12/22/19 | 11:00 | 49558.50 | 264.33       | 45,447 | 16        | 462      | 0.054  | 14.40          | 7551.05 | 3.78 |             |
| 12/30/19 | 14:00 | 49631.20 | 72.70        | 45,519 | 30        | 462      | 0.102  | 7.43           | 7558.48 | 3.78 |             |
| 01/12/20 | 13:00 | 49682.50 | 51.30        | 45,571 | 19        | 282      | 0.039  | 2.01           | 7560.49 | 3.78 |             |
| 02/10/20 | 11:00 | 49806.20 | 123.70       | 45,694 | 19        | 145      | 0.021  | 2.55           | 7563.04 | 3.78 |             |
| 03/05/20 | 12:40 | 50000.00 | 193.80       | 45,888 | 38        | 197      | 0.055  | 10.66          | 7573.71 | 3.79 | 0.69        |
| 03/09/20 | 12:10 | 50070.44 | 70.44        | 45,958 | 23        | 250      | 0.041  | 2.92           | 7576.62 | 3.79 |             |
| 03/23/20 | 11:45 | 50083.25 | 12.81        | 45,971 | 25        | 323      | 0.060  | 0.76           | 7577.39 | 3.79 |             |
| 04/06/20 | 10:30 | 50139.34 | 56.09        | 46,027 | 26        | 316      | 0.060  | 3.34           | 7580.73 | 3.79 |             |
| 04/20/20 | 10:30 | 50225.20 | 85.86        | 46,113 | 19        | 408      | 0.056  |                | 7585.57 | 3.79 |             |
| 05/05/20 | 11:00 | 50540.55 | 315.35       | 46,429 | 61        | 311      | 0.140  | 44.17          | 7629.74 | 3.81 | 1.06        |
| 05/18/20 | 12:30 | 50840.55 | 300.00       | 46,729 | 36        | 506      | 0.132  | 39.72          | 7669.46 | 3.83 |             |
| 06/06/20 | 10:10 | 51279.56 | 439.01       | 47,168 | 47        | 340      | 0.118  | 51.71          | 7721.16 | 3.86 |             |
| 06/20/20 | 13:20 | 51616.41 |              | 47,504 | 34        | 322      | 0.081  |                | 7748.35 | 3.87 |             |
| 07/06/20 | 10:44 | 51998.22 | 381.81       | 47,886 | 0.5       | 425      | 0.002  |                | 7748.94 | 3.87 |             |
| 07/19/20 | 11:10 | 52309.12 |              | 48,197 | 29        | 470      | 0.099  |                | 7779.75 | 3.89 |             |
| 08/09/20 | 17:30 | 52819.74 |              | 48,708 | 28        | 428      | 0.087  |                | 7824.20 | 3.91 | 0.51        |
| 09/14/20 | 18:30 | 53480.00 | 660.26       | 49,368 | 25        | 421      | 0.076  |                | 7874.40 | 3.94 |             |
| 09/24/20 | 13:20 | 53703.31 |              | 49,591 | 47        | 410      | 0.143  |                | 7906.25 | 3.95 |             |
| 11/15/20 | 13:00 | 54664.23 | 960.92       | 50,552 | 38        | 418      | 0.116  |                | 8017.86 | 4.01 |             |
| 12/11/20 | 8:27  | 55250.13 | 585.90       | 51,138 | 67        | 380      | 0.187  |                | 8127.48 | 4.06 | 1.36        |

#### Received by OCD: 6/4/2025 10:09:49 A Mable 1 : Summary of SVE System Field Readings Expand Energy Corporation, State M Lease (AP-72) Lea County, New Mexico

|                      |       | Run      | Operating    | Hours  | Discharge | Readings |        | VOC Dis        | charge  |      | Calculated |
|----------------------|-------|----------|--------------|--------|-----------|----------|--------|----------------|---------|------|------------|
| Date                 | Time  | Time     | since        |        |           |          |        | lbs since last | Tota    | I    | Correlatio |
|                      | -     | Reading  | last reading | Total  | PPM       | CFM      | lbs/Hr | Reading        | lbs     | Tons | Factor     |
| 02/28/21             | 10:00 | 56876.10 | 1625.97      | 52,764 | 37        | 410      | 0.112  | 181.80         | 8309.28 | 4.15 |            |
| 03/02/21             | 14:05 | 56926.31 | 50.21        | 52,814 | 6.4       | 355      | 0.017  | 0.84           | 8310.12 | 4.16 | 0.36       |
| 04/21/21             | 14:11 | 58101.61 | 1175.30      | 53,990 | 2.9       | 391      | 0.008  | 9.82           | 8319.94 | 4.16 |            |
| 05/13/21             | 13:42 | 58654.06 | 552.45       | 54,542 | 3.2       | 490      | 0.008  | 6.38           | 8326.32 | 4.16 | 0.07       |
|                      |       |          |              |        |           |          |        |                |         |      | 0.07       |
| 06/08/21             | 12:30 | 59275.70 | 621.64       | 55,164 | 31.0      | 460      | 0.105  | 65.34          | 8391.66 | 4.20 |            |
| 09/09/21             | 12:50 | 60240.17 | 964.47       | 56,128 | 91.7      | 422      | 0.285  | 275.08         | 8666.74 | 4.33 | 1.53       |
| 09/24/21             | 12:30 | 60600.84 | 360.67       | 56,489 | 28.4      | 415      | 0.087  | 31.33          | 8698.07 | 4.35 |            |
| 10/24/21             | 14:20 | 61323.92 | 723.08       | 57,212 | 23.7      | 312      | 0.055  | 39.41          | 8737.48 | 4.37 |            |
| 11/19/21             | 14:11 | 61946.79 | 622.87       | 57,835 | 26.1      | 402      | 0.077  | 48.17          | 8785.65 | 4.39 | 0.27       |
| 12/07/21             | 12:30 | 62377.93 | 431.14       | 58,266 | 6.0       | 350      | 0.015  | 6.67           | 8792.32 | 4.40 |            |
| 01/23/22             | 10:49 | 63503.18 | 1125.25      | 59,391 | 15.4      | 295      | 0.033  | 37.68          | 8830.00 | 4.42 |            |
| 02/16/22             | 11:30 | 64080.45 | 577.27       | 59,968 | 17.2      | 396      | 0.050  | 28.98          | 8858.98 | 4.43 | 1.38       |
| 03/09/22             | 12:01 | 64561.31 | 480.86       | 60,449 | 16.7      | 383      | 0.047  | 22.67          | 8881.65 | 4.44 | 1.50       |
| 03/27/22             | 9:05  | 65012.44 | 451.13       | 60,900 | 17.4      | 372      | 0.048  | 21.52          | 8903.17 | 4.45 |            |
| 04/24/22             | 11:59 | 65684.16 | 671.72       | 61,572 | 14.1      | 317      | 0.033  | 22.13          | 8925.30 | 4.46 |            |
| 05/23/22             | 7:45  | 66388.40 | 704.24       | 62,276 | 17.1      | 205      | 0.026  | 18.20          | 8943.50 | 4.47 | 0.42       |
| 06/21/22             | 12:15 | 67077.58 | 689.18       | 62,966 | 23.7      | 261      | 0.046  | 31.42          | 8974.92 | 4.49 |            |
| 07/28/22             | 7:45  | 67970.01 | 892.43       | 63,858 | 16.5      | 217      | 0.026  | 23.55          | 8998.47 | 4.50 |            |
| 08/28/22             | 9:11  | 68705.43 | 735.42       | 64,593 | 18.3      | 248      | 0.033  | 23.55          | 9023.07 | 4.51 | 0.0002     |
| 08/28/22             | 9:26  | 69088.00 | 382.57       | 64,976 | 60.0      | 248      | 0.103  | 39.42          | 9062.49 | 4.53 | 0.0002     |
|                      |       |          |              | •      |           |          |        |                |         |      |            |
| 09/15/22             | 8:23  | 69135.64 | 47.64        | 65,024 | 14.2      | 241      | 0.025  | 1.20           | 9063.69 | 4.53 |            |
| 10/29/22             | 11:02 | 70194.13 | 1058.49      | 66,082 | 19.2      | 240      | 0.034  | 35.95          | 9099.64 | 4.55 | 0.51       |
| 11/27/22             | 11:11 | 70889.70 | 695.57       | 66,778 | 18.2      | 265      | 0.036  | 24.73          | 9124.37 | 4.56 |            |
| 12/07/22             | 11:40 | 71129.09 | 239.39       | 67,017 | 17.2      | 224      | 0.028  | 6.80           | 9131.16 | 4.57 |            |
| 01/29/23             | 11:00 | 72398.93 | 1509.23      | 68,287 | 16.5      | 255      | 0.031  | 46.80          | 9177.97 | 4.59 | 0.72       |
| 03/07/23             | 11:15 | 73288.13 | 889.20       | 69,176 | 23.7      | 250      | 0.044  | 38.83          | 9216.80 | 4.61 | •=         |
| 04/22/23             | 11:24 | 74390.53 | 1102.40      | 70,279 | 12.4      | 488      | 0.045  | 49.17          | 9265.97 | 4.63 |            |
| 05/28/23             | 10:00 | 75276.92 | 886.39       | 71,165 | 12.3      | 453      | 0.041  | 36.40          | 9302.37 | 4.65 | 0.55       |
| 06/13/23             | 15:05 | 75641.00 | 364.08       | 71,529 | 23.7      | 471      | 0.082  | 29.95          | 9332.32 | 4.67 |            |
| 07/20/23             | 16:52 | 76531.81 | 890.81       | 72,420 | 14.8      | 489      | 0.053  | 47.52          | 9379.84 | 4.69 |            |
| 08/20/23             | 11:00 | 77271.00 | 739.19       | 73,159 | 14.8      | 425      | 0.046  | 34.27          | 9414.11 | 4.71 | 0.81       |
| 09/06/23             | 12:30 | 77660.23 | 389.23       | 73,548 | 4.2       | 465      | 0.014  | 5.60           | 9419.71 | 4.71 |            |
| 10/22/23             | 11:08 | 78783.33 | 1123.10      | 74,671 | 16.2      | 460      | 0.055  | 61.69          | 9481.40 | 4.74 |            |
| 11/12/23             | 10:15 | 79266.48 | 483.15       | 75,154 | 13.1      | 441      | 0.043  | 20.57          | 9501.97 | 4.75 | 0.81       |
| 12/12/23             | 13:10 | 79989.39 | 722.91       | 75,877 | 4.7       | 462      | 0.016  | 11.57          | 9513.54 | 4.76 | 0.01       |
| 01/13/24             | 11:00 | 80755.57 | 766.18       | 76,644 | 13.3      | 389      | 0.038  | 29.22          | 9542.76 | 4.70 |            |
| 01/13/24             | 10:00 | 81595.21 | 839.64       | 77,483 | 13.5      | 427      | 0.038  | 35.67          | 9578.43 | 4.77 | 0.68       |
| 02/17/24<br>03/12/24 | 10:00 |          |              |        |           | 427      | 0.042  |                | 9578.43 | 4.79 | 0.08       |
|                      |       | 82172.95 |              | 78,061 | 6.2       |          |        |                |         |      |            |
| 04/27/24             | 9:00  | 83247.60 | 1074.65      | 79,136 | 10.5      | 485      | 0.038  |                | 9629.54 | 4.81 |            |
| 05/27/24             | 10:00 | 83992.91 | 745.31       | 79,881 | 9.4       | 508      | 0.035  | 26.23          | 9655.77 | 4.83 | 0.97       |
| 06/18/24             | 14:00 | 84522.36 | 529.45       | 80,410 | 11.3      | 484      | 0.040  |                | 9677.11 | 4.84 |            |
| 07/28/24             | 8:15  | 85473.92 | 951.56       | 81,362 | 9.4       | 494      | 0.034  | 32.57          | 9709.68 | 4.85 |            |
| 08/31/24             | 11:15 | 86293.03 | 819.11       | 82,181 | 9.3       | 485      | 0.033  | 27.23          | 9736.91 | 4.87 | 0.09       |
| 09/06/24             | 11:00 | 86438.11 | 145.08       | 82,326 | 30.0      | 492      | 0.109  | 15.78          | 9752.69 | 4.88 |            |
| 10/13/24             | 11:05 | 87324.86 | 886.75       | 83,213 | 8.7       | 421      | 0.027  | 23.94          | 9776.63 | 4.89 |            |
| 11/10/24             | 10:30 | 87997.33 |              | 83,885 | 6.7       | 480      | 0.024  | 15.94          | 9792.57 | 4.90 | 0.00       |
| 11/21/24             | 12:10 | 88261.66 |              | 84,150 | 12.4      | 474      | 0.043  |                | 9804.02 | 4.90 |            |
| 12/27/24             | 10:30 | 89125.09 | 863.43       | 85,013 | 10.5      | 395      | 0.031  | 26.39          | 9830.42 | 4.92 |            |
| 01/26/25             | 9:48  | 89844.55 | 719.46       | 85,733 | 9.9       | 434      | 0.031  | 20.33          | 9853.20 | 4.93 |            |
| 02/10/25             | 8:18  | 90203.22 | 358.67       | 86,091 | 8.1       | 421      | 0.025  |                | 9862.22 | 4.93 | 1.43       |
|                      | 12:30 | 91119.22 | 916.00       | 87,007 | 2.1       | 421      | 0.023  | 6.21           | 9868.43 | 4.93 |            |
| 03/20/25             |       |          |              |        |           |          |        |                |         |      |            |

#### Notes:

1. Color shading indicates air sampling period with a unique correlation factor.

2. During the June 24 & July 17, 2014 site visit the field readings were not recorded. The italicized values presented above for these dates are conservative estimated values based upon last known readings.

|  |              | SVE      | Canister<br>#34000823      |                    | Canister #8408           |                             | CANISTER<br>#34000512   |                    |                   |                   |                   |                   |               |                   |                     |                    |
|--|--------------|----------|----------------------------|--------------------|--------------------------|-----------------------------|-------------------------|--------------------|-------------------|-------------------|-------------------|-------------------|---------------|-------------------|---------------------|--------------------|
|  | Sample ID:   | SVE      | Serial C8528<br>2014-12-11 | CANISTER<br>#C8522 | 2015-06-11 Air<br>Sample | Batch #320-<br>14155 9-3-15 | BATCH ID #320-<br>15930 | STATE M-1<br>LEASE | 20160629 M<br>SVE | 20160922 M<br>SVE | 20161208 M<br>SVE | 20170309 M<br>SVE | 20170607M SVE | 20170907 M<br>SVE | 20171206 -M-<br>SVE | 20180307-M-<br>SVE |
| Parameters                             | Sample Date: | 1-Aug-14 | 11-Dec-14                  | 12-Mar-15          | 11-Jun-15                | 3-Sep-15                    | 10-Dec-15               | 10-Mar-16          | 29-Jun-16         | 22-Sep-16         | 8-Dec-16          | 9-Mar-17          | 7-Jun-17      | 7-Sep-17          | 6-Dec-17            | 7-Mar-18           |
|  |              |          |                            |                    |                          |                             |                         |                    |                   |                   |                   |                   |               |                   |                     |                    |
| Volatile Organic Compounds (VOC        | s) by TO-15  |          |                            |                    |                          |                             |                         |                    |                   |                   |                   |                   |               |                   |                     |                    |
| Acetone                                | ppb v/v      | <2000    | <615                       | <965               | <860                     | <615                        | <370                    | <915               | <280              | <175              | <106              | <203              | <76.0         | <116              | <20.0               | 5.67               |
| Benzene                                | ppb v/v      | 8,820    | 2,960                      | 533                | 3,630                    | 312                         | 194                     | 1,070              | 2,600             | 853               | 373               | 550               | 180           | 143               | 1.77                | 24.5               |
| Benzyl chloride                        | ppb v/v      | <320     | <98.4                      | <154               | <138                     | <98.4                       | <59.2                   | <146               | <44.8             | <27.9             | <16.9             | <32.4             | <12.2         | <18.5             | <3.20               | <0.800             |
| Bromodichloromethane                   | ppb v/v      | <120     | <36.9                      | <57.9              | <51.6                    | <36.9                       | <22.2                   | <54.9              | <16.8             | 103.5             | <6.33             | <12.2             | <4.56         | <6.93             | <1.20               | <0.300             |
| Bromoform                              | ppb v/v      | <160     | <49.2                      | <77.2              | <68.8                    | <49.2                       | <29.6                   | <73.2              | <22.4             | <14.0             | <8.44             | <16.2             | <6.08         | <9.24             | <1.60               | <0.400             |
| Bromomethane                           | ppb v/v      | <320     | <98.4                      | <154               | <138                     | <98.4                       | <59.2                   | <146               | <44.8             | <27.9             | <16.9             | <32.4             | <12.2         | <18.5             | <3.20               | <0.800             |
| 2-Butanone (MEK)                       | ppb v/v      | <320     | <98.4                      | <154               | <138                     | <98.4                       | <59.2                   | <146               | <44.8             | <27.9             | <16.9             | <32.4             | <12.2         | 178               | <3.20               | <0.800             |
| Carbon disulfide                       | ppb v/v      | 1,800    | 272                        | <154               | <138                     | <98.4                       | <59.2                   | <146               | 177               | <27.9             | <16.9             | <32.4             | <12.2         | <18.5             | <3.20               | <0.800             |
| Carbon tetrachloride                   | ppb v/v      | <320     | <98.4                      | <154               | <138                     | <98.4                       | <59.2                   | <146               | <44.8             | <27.9             | <16.9             | <32.4             | <12.2         | <18.5             | <3.20               | <0.800             |
| Chlorobenzene                          | ppb v/v      | <120     | <36.9                      | <57.9              | <51.6                    | <36.9                       | <22.2                   | <54.9              | <16.8             | <10.5             | <6.33             | <12.2             | <4.56         | <6.93             | <1.20               | < 0.300            |
| Dibromochloromethane                   | ppb v/v      | <160     | <49.2                      | <77.2              | <68.8                    | <49.2                       | <29.6                   | <73.2              | <22.4             | <14.0             | <8.44             | <16.2             | <6.08         | <9.24             | <1.60               | <0.400             |
| Chloroethane                           | ppb v/v      | <320     | <98.4                      | <154               | <138                     | <98.4                       | <59.2                   | <146               | <44.8             | <27.9             | <16.9             | <32.4             | <12.2         | <18.5             | <3.20               | <0.800             |
| Chloroform                             | ppb v/v      | <120     | <36.9                      | <57.9              | <51.6                    | <36.9                       | <22.2                   | <54.9              | <16.8             | <10.5             | <6.33             | <12.2             | <4.56         | <6.93             | <1.20               | < 0.300            |
| Chloromethane                          | ppb v/v      | <320     | <98.4                      | <154               | <138                     | <98.4                       | <59.2                   | <146               | <44.8             | <27.9             | <16.9             | <32.4             | <12.2         | <18.5             | <3.20               | <0.800             |
| 1,2-Dibromoethane                      | ppb v/v      | <320     | <98.4                      | <154               | <138                     | <98.4                       | <59.2                   | <146               | <44.8             | <27.9             | <16.9             | <32.4             | <12.2         | <18.5             | <3.20               | < 0.800            |
| 1,2-Dichlorobenzene                    | ppb v/v      | <160     | <49.2                      | <77.2              | <68.8                    | <49.2                       | <29.6                   | <73.2              | <22.4             | <14.0             | <8.44             | <16.2             | <6.08         | <9.24             | <1.60               | < 0.400            |
| 1.3-Dichlorobenzene                    | ppb v/v      | <160     | <49.2                      | <77.2              | <68.8                    | <49.2                       | <29.6                   | <73.2              | <22.4             | <14.0             | <8.44             | <16.2             | <6.08         | <9.24             | <1.60               | < 0.400            |
| 1.4-Dichlorobenzene                    | ppb v/v      | <160     | <49.2                      | <77.2              | <68.8                    | <49.2                       | <29.6                   | <73.2              | <22.4             | <14.0             | <8.44             | <16.2             | <6.08         | <9.24             | <1.60               | < 0.400            |
| Dichlorodifluoromethane                | ppb v/v      | 1,980    | <49.2                      | <77.2              | <68.8                    | <49.2                       | <29.6                   | <73.2              | <22.4             | <14.0             | <8.44             | <16.2             | <6.08         | <9.24             | <1.60               | < 0.400            |
| 1,1-Dichloroethane                     | ppb v/v      | <120     | <36.9                      | <57.9              | <51.6                    | <36.9                       | <22.2                   | <54.9              | <16.8             | <10.5             | <6.33             | <12.2             | <4.56         | <6.93             | <1.20               | < 0.300            |
| 1.2-Dichloroethane                     | ppb v/v      | <320     | <98.4                      | <154               | <138                     | <98.4                       | <59.2                   | <146               | <44.8             | <27.9             | <16.9             | <32.4             | <12.2         | <18.5             | <3.20               | 0.881              |
| 1.1-Dichloroethene                     | ppb v/v      | <320     | <98.4                      | <154               | <138                     | <98.4                       | <59.2                   | <146               | <44.8             | <27.9             | <16.9             | <32.4             | <12.2         | <18.5             | <3.20               | < 0.800            |
| cis-1.2-Dichloroethene                 | ppb v/v      | <160     | <49.2                      | 84.5               | <68.8                    | <49.2                       | <29.6                   | <73.2              | <22.4             | <14.0             | <8.44             | <16.2             | <6.08         | <9.24             | <1.60               | <0.400             |
| trans-1,2-Dichloroethene               | ppb v/v      | <160     | <49.2                      | <77.2              | <68.8                    | <49.2                       | <29.6                   | <73.2              | <22.4             | <14.0             | <8.44             | <16.2             | <6.08         | <9.24             | <1.60               | <0.400             |
| 1,2-Dichloropropane                    | ppb v/v      | <160     | <49.2                      | <77.2              | <68.8                    | <49.2                       | <29.6                   | <73.2              | <22.4             | <14.0             | <8.44             | <16.2             | <6.08         | <9.24             | <1.60               | <0.400             |
| cis-1,3-Dichloropropene                | ppb v/v      | <160     | <49.2                      | <77.2              | <68.8                    | <49.2                       | <29.6                   | <73.2              | <22.4             | <14.0             | <8.44             | <16.2             | <6.08         | <9.24             | <1.60               | <0.400             |
| trans-1,3-Dichloropropene              | ppb v/v      | <160     | <49.2                      | <77.2              | <68.8                    | <49.2                       | <29.6                   | <73.2              | <22.4             | <14.0             | <8.44             | <16.2             | < 6.08        | <9.24             | <1.60               | <0.400             |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ppb v/v      | <160     | <49.2                      | <77.2              | <68.8                    | <49.2                       | <29.6                   | <73.2              | <22.4             | <14.0             | <8.44             | <16.2             | <6.08         | <9.24             | <1.60               | <0.400             |
| Ethylbenzene                           | ppb v/v      | 13,500   | 3,830                      | 799                | 2,890                    | 731                         | 723                     | 446                | 2,530             | 1,390             | 531               | 908               | 229           | 219               | 4.75                | 25.4               |
| 4-Ethyltoluene                         | ppb v/v      | 974      | 533                        | 164                | 2,050                    | 256                         | 186                     | <73.2              | 660               | 497               | 135               | 263               | 58.5          | 45.1              | 2.38                | 3.74               |
| Hexachlorobutadiene                    | ppb v/v      | <800     | <246                       | <386               | <344                     | <246                        | <148                    | <366               | <112              | <69.8             | <42.2             | <81.0             | <30.4         | <46.2             | <8.00               | <2.00              |
| 2-Hexanone                             | ppb v/v      | <160     | <49.2                      | <77.2              | <68.8                    | <49.2                       | <29.6                   | <73.2              | <22.4             | <14.0             | <8.44             | <16.2             | <6.08         | <9.24             | <1.60               | <0.400             |
| Methylene Chloride                     | ppb v/v      | <160     | <49.2                      | <77.2              | <68.8                    | <49.2                       | <29.6                   | <73.2              | <22.4             | <14.0             | <8.44             | <16.2             | < 6.08        | <9.24             | <1.60               | 0.540              |
| 4-Methyl-2-pentanone                   |              | <160     | <49.2                      | <77.2              | <68.8                    | <49.2                       | <29.6                   | <73.2              | <22.4             | <14.0             | <8.44             | <16.2             | < 6.08        | <9.24             | <1.60               | <0.400             |
|  | ppb v/v      |          |                            |                    |                          | <49.2                       | <29.6                   |                    | <22.4             | <14.0             | -                 | 1                 |               |                   |                     |                    |
| Styrene                                | ppb v/v      | <160     | <49.2                      | <77.2              | <68.8                    |                             |                         | <73.2              |                   |                   | <8.44             | <16.2             | <6.08         | <9.24             | <1.60               | <0.400             |
| 1,1,2,2-Tetrachloroethane              | ppb v/v      | <160     | <49.2                      | <77.2              | <68.8                    | <49.2                       | <29.6                   | <73.2              | 41.1              | <14.0             | <8.44             | 20.0              | <6.08         | <9.24             | <1.60               | <0.400             |
| Tetrachloroethene                      | ppb v/v      | <160     | 71.9                       | <77.2              | <68.8                    | <49.2                       | <29.6                   | 92.9               | <22.4             | <14.0             | <8.44             | <16.2             | <6.08         | <9.24             | <1.60               | < 0.400            |
| Toluene                                | ppb v/v      | 4,020    | 1,040                      | 228                | 1,480                    | <49.2                       | <29.6                   | 120                | 975               | 380               | 164               | 193               | 68.4          | 49.2              | <1.60               | 6.92               |
| 1,2,4-Trichlorobenzene                 | ppb v/v      | <800     | <246                       | <386               | <344                     | <246                        | <148                    | <366               | <112              | <69.8             | <42.2             | <81.0             | <30.4         | <46.2             | <8.00               | <2.00              |
| 1,1,1-Trichloroethane                  | ppb v/v      | <120     | <36.9                      | <57.9              | <51.6                    | <36.9                       | <22.2                   | <54.9              | <16.8             | <10.5             | <6.33             | <12.2             | <4.56         | <6.93             | <1.20               | < 0.300            |
| 1,1,2-Trichloroethane                  | ppb v/v      | <160     | <49.2                      | <77.2              | <68.8                    | <49.2                       | <29.6                   | <73.2              | <22.4             | <14.0             | <8.44             | <16.2             | <6.08         | <9.24             | <1.60               | <0.400             |
| Trichloroethene                        | ppb v/v      | <160     | <49.2                      | <77.2              | <68.8                    | <49.2                       | <29.6                   | <73.2              | <22.4             | <14.0             | <8.44             | <16.2             | <6.08         | <9.24             | <1.60               | < 0.400            |
| Trichlorofluoromethane                 | ppb v/v      | <160     | <49.2                      | <77.2              | <68.8                    | <49.2                       | <29.6                   | <73.2              | <22.4             | <14.0             | <8.44             | <16.2             | <6.08         | <9.24             | <1.60               | <0.400             |

| Parameters                            | Sample ID:<br>Sample Date: | SVE<br>1-Aug-14 | Canister<br>#34000823<br>Serial C8528<br>2014-12-11<br>11-Dec-14 | CANISTER<br>#C8522<br>12-Mar-15 | Canister #8408<br>2015-06-11 Air<br>Sample<br>11-Jun-15 | Canister #5451<br>Batch #320-<br>14155 9-3-15<br>3-Sep-15 | CANISTER<br>#34000512<br>BATCH ID #320-<br>15930<br>10-Dec-15 | STATE M-1<br>LEASE<br>10-Mar-16 | 20160629 M<br>SVE<br>29-Jun-16 | 20160922 M<br>SVE<br>22-Sep-16 | 20161208 M<br>SVE<br>8-Dec-16 | 20170309 M<br>SVE<br>9-Mar-17 | 20170607M SVE<br>7-Jun-17 | 20170907 M<br>SVE<br>7-Sep-17 | 20171206 -M-<br>SVE<br>6-Dec-17 | 20180307-M-<br>SVE<br>7-Mar-18 |
|---------------------------------------|----------------------------|-----------------|--|---------------------------------|---|---|---|---------------------------------|--------------------------------|--------------------------------|-------------------------------|-------------------------------|---------------------------|-------------------------------|---------------------------------|--------------------------------|
| VOCs by TO-15, continued              |                            |                 |  |                                 |   |   |   |                                 |                                |                                |                               |                               |                           |                               |                                 |                                |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ppb v/v                    | <160            | <49.2  | <77.2                           | <68.8   | <49.2   | <29.6   | <73.2                           | <22.4                          | <14.0                          | <8.44                         | <16.2                         | <6.08                     | <9.24                         | <1.60                           | <0.400                         |
| 1,2,4-Trimethylbenzene                | ppb v/v                    | 2,020           | 648  | 299                             | 774   | <98.4   | 355   | <146                            | 968                            | 740                            | 228                           | 411                           | 85.9                      | 50.3                          | 7.35                            | 9.05                           |
| 1,3,5-Trimethylbenzene                | ppb v/v                    | 821             | 385  | 172                             | 353   | 73.0  | 247   | <73.2                           | 727                            | 541                            | 192                           | 397                           | 53.6                      | 45.5                          | 6.18                            | 5.81                           |
| Vinyl acetate                         | ppb v/v                    | <320            | <98.4  | <154                            | <138  | <98.4   | <59.2   | <146                            | <44.8                          | <27.9                          | <16.9                         | <32.4                         | <12.2                     | <18.5                         | <3.20                           | <0.800                         |
| Vinyl chloride                        | ppb v/v                    | <160            | <49.2  | <77.2                           | <68.8   | <49.2   | <29.6   | <73.2                           | <22.8                          | <14.0                          | <8.44                         | <16.2                         | <6.08                     | <9.24                         | <1.60                           | <0.400                         |
| m,p-Xylene                            | ppb v/v                    | 12,700          | 4,680  | 1,110                           | 3,920   | 1,140   | 1,380   | 609                             | 5,050                          | 2,550                          | 870                           | 1,510                         | 322                       | 330                           | 10.3                            | 48.7                           |
| o-Xylene                              | ppb v/v                    | 4,520           | 1,190  | 286                             | 1,120   | 164   | 194   | 107                             | 720                            | 419                            | 177                           | 337                           | 98.4                      | 96.4                          | 2.54                            | 15.6                           |
| Total VOC as Hexane (C6-C12)          | ppb v/v                    | 1,060,000       | 655,000  | 99,400                          | 351,000   | 190,000   | 140,000   | 371,000                         | 590,000                        | 262,000                        | 117,000                       | 167,000                       | 54,500                    | 40,900                        | 4,630                           | 9,930                          |

|  |                    | -                    |                      |                      |                      |              |              |              |              |                   |              |              |              |              |             |              |
|--|--------------------|----------------------|----------------------|----------------------|----------------------|--------------|--------------|--------------|--------------|-------------------|--------------|--------------|--------------|--------------|-------------|--------------|
|  |                    | 20180604-M-          | 20180906-M-          |                      | 20190307 M           | 20190905 M   | 20200122 M1- | 20200305 M   | 20200606-M-  | 20200924M1SV      |              |              |              |              |             |              |
|  | Sample ID:         | SVE                  | SVE                  | 2018121-M-SVE        | SVE                  | SVE          | SVE          | SVE          | SVE          | E                 | 20201211 M-1 | 20210302 M-1 | 20210608 M-1 | 20210908 M-1 | 20211207M-1 | 20220308 M-1 |
| Parameters                             | Sample Date:       | 4-Jun-18             | 6-Sep-18             | 11-Dec-18            | 7-Mar-19             | 5-Sep-19     | 22-Jan-20    | 5-Mar-20     | 6-Jun-20     | <br>24-Sep-20     | 11-Dec-20    | 2-Mar-21     | 8-Jun-21     | 9-Sep-21     | 7-Dec-21    | 8-Mar-22     |
|  |                    |                      |                      |                      |                      |              |              |              |              |                   | -            |              |              |              |             |              |
| Volatile Organic Compounds (VOC        |                    |                      |                      |                      |                      |              | . –          |              |              |                   |              |              |              |              |             |              |
| Acetone                                | ppb v/v            | <78.0                | <124                 | <178                 | <22.3                | <84          | <17          | <78          | <34          | <29               | <110         | <7.8         | 16           | 92           | 8.6         | 30           |
| Benzene                                | ppb v/v            | 87.9                 | 112                  | 137                  | 40.1                 | 140          | 3.7          | 42           | 48           | 18                | 80           | <0.78        | <0.71        | 71           | <0.75       | <1.6         |
| Benzyl chloride                        | ppb v/v            | <12.5                | <19.8                | <28.4                | <3.56                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | <0.78        | <0.71        | <0.80        | <0.75       | <1.6         |
| Bromodichloromethane                   | ppb v/v            | <4.68                | <7.43                | <10.7                | <1.34                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | <0.78        | <0.71        | <0.80        | <0.75       | <1.6         |
| Bromoform                              | ppb v/v            | <6.24                | <9.91                | <14.2                | <1.78                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | <0.78        | <0.71        | <0.80        | <0.75       | <1.6         |
| Bromomethane                           | ppb v/v            | <12.5                | <19.8                | <28.4                | <3.56                | <84          | <17          | <78          | <34          | <29               | <110         | <7.8         | <7.1         | <8.0         | <7.5        | <16          |
| 2-Butanone (MEK)                       | ppb v/v            | <12.5                | <19.8                | <28.4                | 5.97                 | <34          | <6.7         | <31          | <34          | <11               | <43          | <3.1         | <2.8         | 11           | <3.0        | <6.2         |
| Carbon disulfide                       | ppb v/v            | <12.5                | <19.8                | <28.4                | <3.56                | <34          | <6.7         | <31          | <34          | <11               | <43          | <3.1         | <2.8         | 11           | <3.0        | <6.2         |
| Carbon tetrachloride                   | ppb v/v            | <12.5                | <19.8                | <28.4                | <3.56                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | <0.78        | <0.71        | <0.80        | <0.75       | <1.6         |
| Chlorobenzene                          | ppb v/v            | <4.68                | <7.43                | <10.7                | <1.34                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | <0.78        | <0.71        | <0.80        | <0.75       | <1.6         |
| Dibromochloromethane                   | ppb v/v            | <6.24                | <9.91                | <14.2                | <1.78                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | <0.78        | <0.71        | <0.80        | <0.75       | <1.6         |
| Chloroethane                           | ppb v/v            | <12.5                | <19.8                | <28.4                | <3.56                | <34          | <6.7         | <31          | <34          | <11               | <43          | <3.1         | <2.8         | <3.2         | <3.0        | <6.2         |
| Chloroform                             | ppb v/v            | <4.68                | <7.43                | <10.7                | <1.34                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | <0.78        | <0.71        | <0.80        | <0.75       | <1.6         |
| Chloromethane                          | ppb v/v            | <12.5                | <19.8                | <28.4                | <3.56                | <84          | <17          | <78          | <34          | <29               | <110         | <7.8         | <7.1         | <8.0         | <7.5        | <16          |
| 1,2-Dibromoethane                      | ppb v/v            | <12.5                | <19.8                | <28.4                | <3.56                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | <0.78        | <0.71        | <0.80        | <0.75       | <1.6         |
| 1,2-Dichlorobenzene                    | ppb v/v            | <6.24                | <9.91                | <14.2                | <1.78                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | <0.78        | <0.71        | <0.80        | <0.75       | <1.6         |
| 1,3-Dichlorobenzene                    | ppb v/v            | <6.24                | <9.91                | <14.2                | <1.78                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | <0.78        | <0.71        | <0.80        | <0.75       | <1.6         |
| 1.4-Dichlorobenzene                    | ppb v/v            | <6.24                | <9.91                | <14.2                | <1.78                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | <0.78        | <0.71        | <0.80        | <0.75       | <1.6         |
| Dichlorodifluoromethane                | ppb v/v            | <6.24                | <9.91                | <14.2                | <1.78                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | <0.78        | <0.71        | <0.80        | <0.75       | <1.6         |
| 1,1-Dichloroethane                     | ppb v/v            | <4.68                | <7.43                | <10.7                | <1.34                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | <0.78        | <0.71        | <0.80        | <0.75       | <1.6         |
| 1.2-Dichloroethane                     | ppb v/v            | <12.5                | <19.8                | <28.4                | <3.56                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | <0.78        | <0.71        | <0.80        | <0.75       | <1.6         |
| 1,1-Dichloroethene                     | ppb v/v            | <12.5                | <19.8                | <28.4                | <3.56                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | <0.78        | <0.71        | < 0.80       | <0.75       | <1.6         |
| cis-1.2-Dichloroethene                 | ppb v/v            | <6.24                | <9.91                | <14.2                | <1.78                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | <0.78        | <0.71        | < 0.80       | <0.75       | <1.6         |
| trans-1.2-Dichloroethene               | ppb v/v            | <6.24                | <9.91                | <14.2                | <1.78                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | <0.78        | <0.71        | < 0.80       | < 0.75      | <1.6         |
| 1,2-Dichloropropane                    | ppb v/v            | <6.24                | <9.91                | <14.2                | <1.78                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | < 0.78       | <0.71        | < 0.80       | < 0.75      | <1.6         |
| cis-1,3-Dichloropropene                | ppb v/v            | <6.24                | <9.91                | <14.2                | <1.78                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | <0.78        | <0.71        | < 0.80       | <0.75       | <1.6         |
| trans-1,3-Dichloropropene              | ppb v/v            | <6.24                | <9.91                | <14.2                | <1.78                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | <0.78        | <0.71        | < 0.80       | <0.75       | <1.6         |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ppb v/v            | <6.24                | <9.91                | <14.2                | <1.78                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | < 0.78       | <0.71        | < 0.80       | <0.75       | <1.6         |
| Ethylbenzene                           | ppb v/v            | 250                  | 334                  | 363                  | 284                  | 270          | 33           | 120          | 150          | 56                | 180          | < 0.78       | <0.71        | 88           | < 0.75      | 5.2          |
| 4-Ethyltoluene                         | ppb v/v            | 42.7                 | 89.2                 | 76.7                 | 167                  | 180          | 25           | 100          | 130          | 64                | 170          | 0.82         | <0.71        | 140          | < 0.75      | 27           |
| Hexachlorobutadiene                    | ppb v/v            | <31.2                | <49.5                | <71.0                | <8.90                | <34          | <6.7         | <31          | <34          | <11               | <43          | <3.1         | <2.8         | <3.2         | <3.0        | <6.2         |
| 2-Hexanone                             | ppb v/v            | <4.68                | <9.91                | <14.2                | <1.78                | <34          | <6.7         | <31          | <34          | <11               | <43          | <3.1         | <2.8         | <3.2         | <3.0        | <6.2         |
| Methylene Chloride                     | ppb v/v            | <6.24                | <9.91                | <14.2                | <1.78                | <84          | <17          | <78          | <34          | <29               | <110         | <7.8         | <7.1         | <8.0         | <7.5        | <16          |
| 4-Methyl-2-pentanone                   | ppb v/v            | <6.24                | <9.91                | <14.2                | <1.78                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | <0.78        | <0.71        | <0.80        | <0.75       | <1.6         |
| Styrene                                | ppb v/v            | <6.24                | <9.91                | <14.2                | <1.78                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | <0.78        | <0.71        | <0.80        | <0.75       | <1.6         |
| 1,1,2,2-Tetrachloroethane              | · · · · ·          |                      |                      |                      |                      |              |              |              |              |                   |              |              |              |              |             |              |
| Tetrachloroethene                      | ppb v/v<br>ppb v/v | <6.24                | <9.91<br><9.91       | <14.2<br><14.2       | <1.78<br><1.78       | <8.4<br><8.4 | <1.7         | <7.8<br><7.8 | <8.4<br><8.4 | <2.9              | <11<br><11   | <0.78        | <0.71        | <0.80        | <0.75       | <1.6<br><1.6 |
| Toluene                                | ppb v/v            | <b>34.4</b>          | 44.3                 | 41.0                 | 38.8                 | 30           | 3.1          | <7.8         | 11           | 3.1               | <11          | <0.78        | <0.71        | <0.80        | <0.75       | <1.6         |
| 1,2,4-Trichlorobenzene                 |                    | <b>34.4</b><br><31.2 | <b>44.3</b><br><49.5 | <b>41.0</b><br><71.0 | <b>38.8</b><br><8.90 | <30<br><34   | <6.7         | <31          | <34          | <b>3.1</b><br><11 | <43          | < 3.1        | <2.8         | <3.2         | <3.0        | <6.2         |
| 1,1,1,1-Trichloroethane                | ppb v/v            | <31.2                | <7.43                | <10.7                | < 1.34               | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | <0.78        | <0.71        | <0.80        | <0.75       | <1.6         |
| 1,1,2-Trichloroethane                  |                    | <4.68                | <7.43                | <10.7                | <1.34                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | <0.78        | <0.71        | <0.80        | <0.75       | <1.6         |
|  | ppb v/v            |                      |                      |                      |                      |              |              |              |              |                   |              |              |              |              |             |              |
| Trichloroethene                        | ppb v/v            | <6.24                | <9.91                | <14.2                | <1.78                | <8.4         | <1.7         | 20           | <8.4         | <2.9              | <11          | <0.78        | <0.71        | <0.80        | <0.75       | <1.6         |
| Trichlorofluoromethane                 | ppb v/v            | <6.24                | <9.91                | <14.2                | <1.78                | <8.4         | <1.7         | <7.8         | <8.4         | <2.9              | <11          | <0.78        | <0.71        | <0.80        | <0.75       | <1.6         |

| Parameters                            | Sample ID:<br>Sample Date: | 20180604-M-<br>SVE<br>4-Jun-18 | 20180906-M-<br>SVE<br>6-Sep-18 | 2018121-M-SVE<br>11-Dec-18 | 20190307 M<br>SVE<br>7-Mar-19 | 20190905 M<br>SVE<br>5-Sep-19 | 20200122 M1-<br>SVE<br>22-Jan-20 | 20200305 M<br>SVE<br>5-Mar-20 | 20200606-M-<br>SVE<br>6-Jun-20 | 20200924M1SV<br>E<br>24-Sep-20 | 20201211 M-1<br>11-Dec-20 | 20210302 M-1<br>2-Mar-21 | 20210608 M-1<br>8-Jun-21 | 20210908 M-1<br>9-Sep-21 | 20211207M-1<br>7-Dec-21 | 20220308 M-1<br>8-Mar-22 |
|---------------------------------------|----------------------------|--------------------------------|--------------------------------|----------------------------|-------------------------------|-------------------------------|----------------------------------|-------------------------------|--------------------------------|--------------------------------|---------------------------|--------------------------|--------------------------|--------------------------|-------------------------|--------------------------|
| VOCs by TO-15, continued              |                            |                                |                                |                            |                               |                               |                                  |                               |                                |                                |                           |                          |                          |                          |                         |                          |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ppb v/v                    | <6.24                          | <9.91                          | <14.2                      | <1.78                         | <8.4                          | <1.7                             | <7.8                          | <8.4                           | <2.9                           | <11                       | <0.78                    | <0.71                    | <0.80                    | <0.75                   | <1.6                     |
| 1,2,4-Trimethylbenzene                | ppb v/v                    | 71.3                           | 134                            | 124                        | 83.0                          | 75                            | 10                               | 59                            | 60                             | 38                             | 79                        | <0.78                    | <0.71                    | 100                      | 0.80                    | 9.7                      |
| 1,3,5-Trimethylbenzene                | ppb v/v                    | 46.2                           | 88.6                           | 102                        | 67.0                          | 69                            | 9.1                              | 43                            | 50                             | 31                             | 77                        | 1.0                      | 1.3                      | 110                      | 1.3                     | 14                       |
| Vinyl acetate                         | ppb v/v                    | <12.5                          | <19.8                          | <28.4                      | <3.56                         | <8.4                          | <6.7                             | <31                           | <34                            | <11                            | <43                       | <3.1                     | <2.8                     | <3.2                     | <3.0                    | <6.2                     |
| Vinyl chloride                        | ppb v/v                    | <6.24                          | <9.91                          | <14.2                      | <1.78                         | <8.4                          | <1.7                             | <7.8                          | <8.4                           | <2.9                           | <11                       | <0.78                    | <0.71                    | <0.80                    | <0.75                   | <1.6                     |
| m,p-Xylene                            | ppb v/v                    | 376                            | 501                            | 544                        | 442                           | 440                           | 66                               | 210                           | 280                            | 110                            | 380                       | <0.78                    | <0.71                    | 260                      | <0.75                   | 20                       |
| o-Xylene                              | ppb v/v                    | 107                            | 133                            | 158                        | 137                           | 120                           | 55                               | 50                            | 63                             | 25                             | 83                        | <0.78                    | <0.71                    | 55                       | <0.75                   | 4.0                      |
| Total VOC as Hexane (C6-C12)          | ppb v/v                    | 46,500                         | 76,600                         | 107,000                    | 77,900                        | 69,000                        | 14,000                           | 26,000                        | 50,000                         | 24,000                         | 91,000                    | 2,300                    | 2,100                    | 140,000                  | 1,600                   | 24,000                   |

|  | Sample ID:         | 20220621 M-1 | 202209 M-1 | 20221207 M-1 | 20230307 M-1 | 20230613M-1 | 20230906M-1 | 20231212 M-1 | 20240312M-1 | 20240618M-1 | 20240906 M-1 | 20241122M-1 | 20250320M-1 |
|--|--------------------|--------------|------------|--------------|--------------|-------------|-------------|--------------|-------------|-------------|--------------|-------------|-------------|
| Parameters                             | Sample Date:       | 21-Jun-22    | 13-Sep-22  | 7-Dec-22     | 7-Mar-23     | 13-Jun-23   | 6-Sep-23    | 12-Dec-23    | 12-Mar-24   | 18-Jun-24   | 6-Sep-24     | 22-Nov-24   | 20-Mar-25   |
|  |                    |              |            |              |              |             |             |              |             |             |              |             |             |
| Volatile Organic Compounds (VOC        | s) by TO-15        |              |            |              |              |             |             |              |             |             |              |             |             |
| Acetone                                | ppb v/v            | <74          | <7.1       | <7.0         | <32          | 16          | 9.3         | 9.9          | 10          | <13         | <10          | <9.4        | <8.4        |
| Benzene                                | ppb v/v            | <7.4         | <0.71      | 1.1          | <3.2         | <1.6        | <0.85       | 1.8          | <0.76       | <1.3        | <1.0         | <0.94       | 1.2         |
| Benzyl chloride                        | ppb v/v            | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | <0.85       | <0.80        | <0.76       | <1.3        | <1.0         | <0.94       | <0.84       |
| Bromodichloromethane                   | ppb v/v            | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | <0.85       | <0.80        | <0.76       | <1.3        | <1.0         | <0.94       | <0.84       |
| Bromoform                              | ppb v/v            | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | <0.85       | <0.80        | <0.76       | <1.3        | <1.0         | <0.94       | <0.84       |
| Bromomethane                           | ppb v/v            | <74          | <7.1       | <7.0         | <32          | <16         | <8.5        | <8.0         | <7.6        | <13         | <10          | <9.4        | <8.4        |
| 2-Butanone (MEK)                       | ppb v/v            | <29          | <2.8       | <2.8         | <13          | <6.5        | <3.4        | <3.2         | <3.0        | <5.3        | <4.2         | <3.8        | <3.4        |
| Carbon disulfide                       | ppb v/v            | <29          | <2.8       | <2.8         | <13          | <6.5        | <3.4        | <3.2         | <3.0        | <5.3        | <4.2         | <3.8        | <3.4        |
| Carbon tetrachloride                   | ppb v/v            | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | <0.85       | <0.80        | <0.76       | <1.3        | <1.0         | <0.94       | <0.84       |
| Chlorobenzene                          | ppb v/v            | <7.4         | 0.71       | <0.70        | <3.2         | <1.6        | < 0.85      | <0.80        | <0.76       | <1.3        | <1.0         | <0.94       | <0.84       |
| Dibromochloromethane                   | ppb v/v            | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | < 0.85      | <0.80        | <0.76       | <1.3        | <1.0         | <0.94       | <0.84       |
| Chloroethane                           | ppb v/v            | <29          | <2.8       | <2.8         | <13          | <6.5        | <3.4        | <3.2         | <3.0        | <5.3        | <4.2         | <3.8        | <3.4        |
| Chloroform                             | ppb v/v            | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | < 0.85      | <0.80        | < 0.76      | <1.3        | <1.0         | < 0.94      | < 0.84      |
| Chloromethane                          | ppb v/v            | <74          | <7.1       | <7.0         | <32          | <16         | <8.5        | <8.0         | <7.6        | <13         | <10          | <9.4        | <8.4        |
| 1,2-Dibromoethane                      | ppb v/v            | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | < 0.85      | <0.80        | <0.76       | <1.3        | <1.0         | <0.94       | <0.84       |
| 1,2-Dichlorobenzene                    | ppb v/v            | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | < 0.85      | <0.80        | < 0.76      | <1.3        | <1.0         | < 0.94      | <0.84       |
| 1,3-Dichlorobenzene                    | ppb v/v            | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | <0.85       | <0.80        | <0.76       | <1.3        | <1.0         | < 0.94      | <0.84       |
| 1.4-Dichlorobenzene                    | ppb v/v            | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | <0.85       | <0.80        | <0.76       | <1.3        | <1.0         | < 0.94      | <0.84       |
| Dichlorodifluoromethane                | ppb v/v            | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | <0.85       | <0.80        | <0.76       | <1.3        | <1.0         | <0.94       | <0.84       |
| 1.1-Dichloroethane                     | ppb v/v            | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | <0.85       | <0.80        | <0.76       | <1.3        | <1.0         | <0.94       | <0.84       |
| 1.2-Dichloroethane                     | ppb v/v            | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | <0.85       | <0.80        | <0.76       | <1.3        | <1.0         | <0.94       | <0.84       |
| 1,1-Dichloroethene                     | ppb v/v            | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | <0.85       | <0.80        | <0.76       | <1.3        | <1.0         | <0.94       | <0.84       |
| cis-1,2-Dichloroethene                 | ppb v/v            | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | <0.85       | <0.80        | <0.76       | <1.3        | <1.0         | <0.94       | <0.84       |
| trans-1,2-Dichloroethene               | ppb v/v            | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | <0.85       | <0.80        | <0.76       | <1.3        | <1.0         | <0.94       | <0.84       |
| 1,2-Dichloropropane                    |                    | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | <0.85       | <0.80        | <0.76       | <1.3        | <1.0         | <0.94       | <0.84       |
| cis-1,3-Dichloropropene                | ppb v/v<br>ppb v/v | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | <0.85       | <0.80        | <0.76       | <1.3        | <1.0         | <0.94       | <0.84       |
| · · · · · ·                            |                    | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | <0.85       | <0.80        | <0.76       | <1.3        | <1.0         | <0.94       | <0.84       |
| trans-1,3-Dichloropropene              | ppb v/v            |              |            | <0.70        |              | <1.6        | <0.85       | <0.80        |             |             | -            |             | <0.84       |
| 1,2-Dichloro-1,1,2,2-tetrafluoroethane | ppb v/v            | <7.4<br><7.4 | < 0.71     | <0.70        | <3.2<br><3.2 |             |             | 0.80         | <0.76       | <1.3        | <1.0<br><1.0 | <0.94       |             |
| Ethylbenzene                           | ppb v/v            |              | < 0.71     |              |              | <1.6        | < 0.85      |              | < 0.76      | <1.3        |              |             | <0.84       |
| 4-Ethyltoluene                         | ppb v/v            | 31           | <0.71      | 7.9          | 18           | 10          | 3.7         | 1.9          | 2.0         | 2.0         | 1.7          | < 0.94      | 1.1         |
| Hexachlorobutadiene                    | ppb v/v            | <29          | <2.8       | <2.8         | <13          | <6.5        | <3.4        | <3.2         | <3.0        | <5.3        | <4.2         | <3.8        | <3.4        |
| 2-Hexanone                             | ppb v/v            | <29          | <2.8       | <2.8         | <13          | <6.5        | <3.4        | <3.2         | <3.0        | <5.3        | <4.2         | <3.8        | <3.4        |
| Methylene Chloride                     | ppb v/v            | <74          | <7.1       | <7.0         | <32          | <16         | <8.5        | <8.0         | <7.6        | <13         | <10          | <9.4        | <8.4        |
| 4-Methyl-2-pentanone                   | ppb v/v            | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | <0.85       | < 0.80       | < 0.76      | <1.3        | <1.0         | <0.94       | <0.84       |
| Styrene                                | ppb v/v            | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | <0.85       | <0.80        | <0.76       | <1.3        | <1.0         | <0.94       | <0.84       |
| 1,1,2,2-Tetrachloroethane              | ppb v/v            | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | <0.85       | <0.80        | <0.76       | <1.3        | <1.0         | <0.94       | <0.84       |
| Tetrachloroethene                      | ppb v/v            | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | <0.85       | <0.80        | <0.76       | <1.3        | <1.0         | < 0.94      | <0.84       |
| Toluene                                | ppb v/v            | <7.4         | <0.71      | 0.94         | <6.5         | <3.2        | <1.7        | 2.6          | <1.5        | <2.7        | <2.1         | <1.9        | <1.7        |
| 1,2,4-Trichlorobenzene                 | ppb v/v            | <29          | <2.8       | <2.8         | <13          | <6.5        | <3.4        | <3.2         | <3.0        | <5.3        | <4.2         | <3.8        | <3.4        |
| 1,1,1-Trichloroethane                  | ppb v/v            | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | <0.85       | <0.80        | <0.76       | <1.3        | <1.0         | <0.94       | <0.84       |
| 1,1,2-Trichloroethane                  | ppb v/v            | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | <0.85       | <0.80        | <0.76       | <1.3        | <1.0         | <0.94       | <0.84       |
| Trichloroethene                        | ppb v/v            | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | <0.85       | <0.80        | <0.76       | <1.3        | <1.0         | <0.94       | <0.84       |
| Trichlorofluoromethane                 | ppb v/v            | <7.4         | <0.71      | <0.70        | <3.2         | <1.6        | <0.85       | <0.80        | <0.76       | <1.3        | <1.0         | <0.94       | <0.84       |

| Parameters                            | Sample ID:<br>Sample Date: | 20220621 M-1<br>21-Jun-22 | 202209M-1<br>13-Sep-22 | 20221207 M-1<br>7-Dec-22 | 20230307 M-1<br>7-Mar-23 | 20230613M-1<br>13-Jun-23 | 20230906M-1<br>6-Sep-23 | 20231212 M-1<br>12-Dec-23 | 20240312M-1<br>12-Mar-24 | 20240618M-1<br>18-Jun-24 | 20240906 M-1<br>6-Sep-24 | 20241122M-1<br>22-Nov-24 | 20250320M-1<br>20-Mar-25 |
|---------------------------------------|----------------------------|---------------------------|------------------------|--------------------------|--------------------------|--------------------------|-------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| VOCs by TO-15, continued              |                            |                           |                        |                          |                          |                          |                         |                           |                          |                          |                          |                          |                          |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ppb v/v                    | <7.4                      | <0.71                  | <0.70                    | <3.2                     | <1.6                     | <0.85                   | <0.80                     | <0.76                    | <1.3                     | <1.0                     | <0.94                    | <0.84                    |
| 1,2,4-Trimethylbenzene                | ppb v/v                    | 19                        | <0.71                  | 6.1                      | 11                       | 6.2                      | 2.6                     | 1.1                       | 1.2                      | <1.3                     | 1.1                      | <0.94                    | <0.84                    |
| 1,3,5-Trimethylbenzene                | ppb v/v                    | 16                        | <0.71                  | 6.5                      | 17                       | 9.3                      | 4.3                     | 1.6                       | 2.0                      | 2.0                      | 1.6                      | <0.94                    | 1.3                      |
| Vinyl acetate                         | ppb v/v                    | <29                       | <2.8                   | <2.8                     | <13                      | <6.5                     | <3.4                    | <3.2                      | <3.0                     | <5.3                     | <4.2                     | <3.8                     | <3.4                     |
| Vinyl chloride                        | ppb v/v                    | <7.4                      | <2.8                   | <0.70                    | <3.2                     | <1.6                     | <0.85                   | <0.80                     | <0.76                    | <1.3                     | <1.0                     | <0.94                    | <0.84                    |
| m,p-Xylene                            | ppb v/v                    | 7.9                       | <0.71                  | 2.1                      | 5.8                      | 3.6                      | <b>1.2</b> J            | 2.0                       | <1.5                     | <2.7                     | <2.1                     | <1.9                     | 3.4                      |
| o-Xylene                              | ppb v/v                    | <7.4                      | <0.71                  | <0.70                    | <3.2                     | <1.6                     | <0.85                   | <0.80                     | <0.76                    | <1.3                     | <1.0                     | <0.94                    | <0.84                    |
| Total VOC as Hexane (C6-C12)          | ppb v/v                    | 10,000                    | 14                     | 8,800                    | 17,000                   | 13,000                   | 3,400                   | 3,800                     | 4,200                    | 3,200                    | 2,800                    | 1,900                    | 3,000                    |

|                    | l op of                            | Depth to                      |                                 |                                       |                              |   |
|--------------------|------------------------------------|-------------------------------|---------------------------------|---------------------------------------|------------------------------|---|
| Monitoring<br>Well | Casing<br>Elevation<br>(AMSL-Feet) | Liquid<br>Measurement<br>Date | Depth to<br>LNAPL<br>(Feet-TOC) | Depth to<br>Groundwater<br>(Feet-TOC) | LNAPL<br>Thickness<br>(Feet) | Groundwater<br>Elevation<br>(AMSL-Feet) |
| MW-1R              | 3888.97                            | 06/03/14                      | 44.57                           | 49.89                                 | 5.32                         | 3839.08                                 |
|                    | 3888.97                            | 09/22/14                      | 44.87                           | 48.91                                 | 4.04                         | 3840.06                                 |
|                    | 3888.97                            | 12/10/14                      | 45.80                           | 46.30                                 | 0.50                         | 3842.67                                 |
|                    | 3888.97                            | 03/11/15                      | 45.12                           | 46.83                                 | 1.71                         | 3842.14                                 |
|                    | 3888.97                            | 06/10/15                      | 45.54                           | 46.31                                 | 0.77                         | 3842.66                                 |
|                    | 3888.97                            | 09/02/15                      | 45.81                           | 47.37                                 | 1.56                         | 3841.60                                 |
|                    | 3888.97                            | 12/09/15                      | 45.22                           | 49.07                                 | 3.85                         | 3839.90                                 |
|                    | 3888.97                            | 03/09/16                      | 45.30                           | 47.18                                 | 1.88                         | 3841.79                                 |
|                    | 3888.97                            | 06/28/16                      | 45.75                           | 47.02                                 | 1.27                         | 3841.95                                 |
|                    | 3888.97                            | 09/21/16                      | 46.10                           | 46.38                                 | 0.28                         | 3842.59                                 |
|                    | 3888.97                            | 12/07/16                      | 46.13                           | 46.88                                 | 0.75                         | 3842.09                                 |
|                    | 3888.97                            | 03/08/17                      | 46.14                           | 46.57                                 | 0.43                         | 3842.40                                 |
|                    | 3888.97                            | 06/06/17                      | 45.82                           | 48.86                                 | 3.04                         | 3840.11                                 |
|                    | 3888.97                            | 09/08/17                      | 46.30                           | 46.63                                 | 0.33                         | 3842.34                                 |
|                    | 3888.97                            | 12/04/17                      | 46.36                           | 46.77                                 | 0.41                         | 3842.20                                 |
|                    | 3888.97                            | 03/05/18                      | 46.47                           | 46.81                                 | 0.34                         | 3842.16                                 |
|                    | 3888.97                            | 06/05/18                      | 46.56                           | 46.93                                 | 0.37                         | 3842.04                                 |
|                    | 3888.97                            | 09/05/18                      | 46.31                           | 48.81                                 | 2.50                         | 3840.16                                 |
|                    | 3888.97                            | 12/11/18                      | 46.34                           | 49.11                                 | 2.77                         | 3839.86                                 |
|                    | 3888.97                            | 03/06/19                      | 46.48                           | 49.20                                 | 2.72                         | 3839.77                                 |
|                    | 3888.97                            | 06/04/19                      | 46.58                           | 48.84                                 | 2.26                         | 3840.13                                 |
|                    | 3888.97                            | 09/04/19                      | 47.88                           | 48.67                                 | 0.79                         | 3840.30                                 |
|                    | 3888.97                            | 12/06/19                      | 47.13                           | 47.43                                 | 0.79                         | 3841.54                                 |
|                    | 3888.97                            | 03/05/20                      | 47.11                           | 47.68                                 | 0.57                         | 3841.29                                 |
|                    | 3888.97                            | 06/06/20                      | 47.21                           | 47.45                                 | 0.37                         | 3841.52                                 |
|                    | 3888.97                            | 09/24/20                      | 47.44                           | 47.60                                 | 0.24                         | 3841.37                                 |
|                    | 3888.97                            | 12/10/20                      | 47.51                           |                                       | 0.18                         | 3841.28                                 |
|                    |                                    | 03/02/21                      | 47.48                           | 47.69                                 |                              |   |
|                    | 3888.97                            |                               |                                 | 47.58                                 | 0.10                         | 3841.39                                 |
|                    | 3888.97                            | 06/08/21                      | 47.52                           | 48.30                                 | 0.78                         | 3840.67                                 |
|                    | 3888.97                            | 09/08/21                      | 47.73                           | 48.00                                 | 0.27                         | 3840.97                                 |
|                    | 3888.97                            | 12/07/21                      | 47.87                           | 48.03                                 | 0.16                         | 3840.94                                 |
|                    | 3888.97                            | 03/08/22                      | 47.84                           | 47.98                                 | 0.14                         | 3840.99                                 |
|                    | 3888.97                            | 06/21/22                      | 48.06                           | 48.11                                 | 0.05                         | 3840.86                                 |
|                    | 3888.97                            | 09/13/22                      | 48.23                           | 48.53                                 | 0.30                         | 3840.44                                 |
|                    | 3888.97                            | 12/07/22                      | 48.38                           | 48.52                                 | 0.14                         | 3840.45                                 |
|                    | 3888.97                            | 03/07/23                      | 48.44                           | 48.52                                 | 0.08                         | 3840.45                                 |
|                    | 3888.97                            | 06/13/23                      |                                 | 48.45                                 | 0.00                         | 3840.52                                 |
|                    | 3888.97                            | 09/06/23                      |                                 | 48.66                                 | 0.00                         | 3840.31                                 |
|                    | 3888.97                            | 12/12/23                      | 48.98                           | 48.99                                 | 0.01                         | 3839.98                                 |
|                    | 3888.97                            | 03/12/24                      | 49.18                           | 49.23                                 | 0.05                         | 3839.74                                 |
|                    | 3888.97                            | 06/18/24                      | 49.73                           | 49.98                                 | 0.25                         | 3838.99                                 |
|                    | 3888.97                            | 09/06/24                      | 49.80                           | 49.87                                 | 0.07                         | 3839.10                                 |
|                    | 3888.97                            | 11/21/24                      | 49.56                           | 49.60                                 | 0.04                         | 3839.37                                 |
|                    | 3888.97                            | 03/20/25                      |                                 | 49.51                                 |                              | 3839.46                                 |

| Monitoring<br>Well | Top of<br>Casing<br>Elevation<br>(AMSL-Feet) | Depth to<br>Liquid<br>Measurement<br>Date | Depth to<br>LNAPL<br>(Feet-TOC) | Depth to<br>Groundwater<br>(Feet-TOC) | LNAPL<br>Thickness<br>(Feet) | Groundwater<br>Elevation<br>(AMSL-Feet) |
|--------------------|--|---|---------------------------------|---------------------------------------|------------------------------|---|
| MW-2               | 3890.51                                      | 06/03/14                                  |                                 | 47.23                                 |                              | 3843.28                                 |
|                    | 3890.51                                      | 09/22/14                                  |                                 | 46.37                                 |                              | 3844.14                                 |
|                    | 3890.51                                      | 12/10/14                                  |                                 | 45.91                                 |                              | 3844.60                                 |
|                    | 3890.51                                      | 03/11/15                                  |                                 | 46.03                                 |                              | 3844.48                                 |
|                    | 3890.51                                      | 06/10/15                                  |                                 | 46.38                                 |                              | 3844.13                                 |
|                    | 3890.51                                      | 09/02/15                                  |                                 | 46.44                                 |                              | 3844.07                                 |
|                    | 3890.51                                      | 12/09/15                                  |                                 | 46.51                                 |                              | 3844.00                                 |
|                    | 3890.51                                      | 03/09/16                                  |                                 | 46.61                                 |                              | 3843.90                                 |
|                    | 3890.51                                      | 06/28/16                                  |                                 | 46.70                                 |                              | 3843.81                                 |
|                    | 3890.51                                      | 09/21/16                                  |                                 | 46.80                                 |                              | 3843.71                                 |
|                    | 3890.51                                      | 12/07/16                                  |                                 | 46.82                                 |                              | 3843.69                                 |
|                    | 3890.51                                      | 03/08/17                                  |                                 | 46.88                                 |                              | 3843.63                                 |
|                    | 3890.51                                      | 06/06/17                                  |                                 | 46.98                                 |                              | 3843.53                                 |
|                    | 3890.51                                      | 09/08/17                                  |                                 | 47.06                                 |                              | 3843.45                                 |
|                    | 3890.51                                      | 12/04/17                                  |                                 | 47.11                                 |                              | 3843.40                                 |
|                    | 3890.51                                      | 03/05/18                                  |                                 | 47.22                                 |                              | 3843.29                                 |
|                    | 3890.51                                      | 06/05/18                                  |                                 | 47.31                                 |                              | 3843.20                                 |
|                    | 3890.51                                      | 09/05/18                                  |                                 | 47.36                                 |                              | 3843.15                                 |
|                    | 3890.51                                      | 12/11/18                                  |                                 | 47.46                                 |                              | 3843.05                                 |
|                    | 3890.51                                      | 03/06/19                                  |                                 | 47.51                                 |                              | 3843.00                                 |
|                    | 3890.51                                      | 06/04/19                                  |                                 | 47.61                                 |                              | 3842.90                                 |
|                    | 3890.51                                      | 09/04/19                                  |                                 | 47.76                                 |                              | 3842.75                                 |
|                    | 3890.51                                      | 12/06/19                                  |                                 | 47.81                                 |                              | 3842.70                                 |
|                    | 3890.51                                      | 03/05/20                                  |                                 | 47.91                                 |                              | 3842.60                                 |
|                    | 3890.51                                      | 06/06/20                                  |                                 | 49.98                                 |                              | 3840.53                                 |
|                    | 3890.51                                      | 09/24/20                                  |                                 | 48.14                                 |                              | 3842.37                                 |
|                    | 3890.51                                      | 12/10/20                                  |                                 | 48.21                                 |                              | 3842.30                                 |
|                    | 3890.51                                      | 03/02/21                                  |                                 | 48.25                                 |                              | 3842.26                                 |
|                    | 3890.51                                      | 06/08/21                                  |                                 | 48.31                                 |                              | 3842.20                                 |
|                    | 3890.51                                      | 09/08/21                                  |                                 | 48.41                                 |                              | 3842.10                                 |
|                    | 3890.51                                      | 12/07/21                                  |                                 | 48.51                                 |                              | 3842.00                                 |
|                    | 3890.51                                      | 03/08/22                                  |                                 | 48.58                                 |                              | 3841.93                                 |
|                    | 3890.51                                      | 06/21/22                                  |                                 | 48.72                                 |                              | 3841.79                                 |
|                    | 3890.51                                      | 09/13/22                                  |                                 | 48.82                                 |                              | 3841.69                                 |
|                    | 3890.51                                      | 12/07/22                                  |                                 | 48.90                                 |                              | 3841.61                                 |
|                    | 3890.51                                      | 03/07/23                                  |                                 | 49.00                                 |                              | 3841.51                                 |
|                    | 3890.51                                      | 06/13/23                                  |                                 | 49.00                                 |                              | 3841.33                                 |
|                    | 3890.51                                      | 09/06/23                                  |                                 | 49.18                                 |                              | 3841.28                                 |
|                    | 3890.51                                      | 12/12/23                                  |                                 | 49.23                                 |                              | 3840.98                                 |
|                    |  | 03/12/24                                  |                                 |                                       |                              |   |
|                    | 3890.51                                      |   |                                 | 49.74                                 |                              | 3840.77                                 |
|                    | 3890.51                                      | 06/18/24                                  |                                 | 50.18                                 |                              | 3840.33                                 |
|                    | 3890.51                                      | 09/06/24                                  |                                 | 50.01                                 |                              | 3840.50                                 |
|                    | 3890.51                                      | 11/21/24                                  |                                 | 50.10                                 |                              | 3840.41                                 |
|                    | 3890.51                                      | 03/20/25                                  |                                 | 50.12                                 |                              | 3840.39                                 |

|                    | Lop of<br>Casing         | Depth to<br>Liquid  | Depth to            | Depth to                  | LNAPL               | Groundwater              |  |
|--------------------|--------------------------|---------------------|---------------------|---------------------------|---------------------|--------------------------|--|
| Monitoring<br>Well | Elevation<br>(AMSL-Feet) | Measurement<br>Date | LNAPL<br>(Feet-TOC) | Groundwater<br>(Feet-TOC) | Thickness<br>(Feet) | Elevation<br>(AMSL-Feet) |  |
| MW-3               | 3889.34                  | 06/03/14            |                     | 46.35                     |                     | 3842.99                  |  |
|                    | 3889.34                  | 09/22/14            |                     | 46.49                     |                     | 3842.85                  |  |
|                    | 3889.34                  | 12/10/14            |                     | 46.08                     |                     | 3843.26                  |  |
|                    | 3889.34                  | 03/11/15            |                     | 46.28                     |                     | 3843.06                  |  |
|                    | 3889.34                  | 06/10/15            |                     | 46.51                     |                     | 3842.83                  |  |
|                    | 3889.34                  | 09/02/15            |                     | 46.60                     |                     | 3842.74                  |  |
|                    | 3889.34                  | 12/09/15            |                     | 46.68                     |                     | 3842.66                  |  |
|                    | 3889.34                  | 03/09/16            |                     | 46.72                     |                     | 3842.62                  |  |
|                    | 3889.34                  | 06/28/16            |                     | 46.85                     |                     | 3842.49                  |  |
|                    | 3889.34                  | 09/21/16            |                     | 46.96                     |                     | 3842.38                  |  |
|                    | 3889.34                  | 12/07/16            |                     | 47.02                     |                     | 3842.32                  |  |
|                    | 3889.34                  | 03/08/17            |                     | 47.11                     |                     | 3842.23                  |  |
|                    | 3889.34                  | 06/06/17            |                     | 47.13                     |                     | 3842.21                  |  |
|                    | 3889.34                  | 09/08/17            |                     | 47.23                     |                     | 3842.11                  |  |
|                    | 3889.34                  | 12/04/17            |                     | 47.28                     |                     | 3842.06                  |  |
|                    | 3889.34                  | 03/05/18            |                     | 47.44                     |                     | 3841.90                  |  |
|                    | 3889.34                  | 06/05/18            |                     | 47.48                     |                     | 3841.86                  |  |
|                    | 3889.34                  | 09/05/18            |                     | 47.55                     |                     | 3841.79                  |  |
|                    | 3889.34                  | 12/11/18            |                     | 47.60                     |                     | 3841.74                  |  |
|                    | 3889.34                  | 03/06/19            |                     | 47.68                     |                     | 3841.66                  |  |
|                    | 3889.34                  | 06/04/19            |                     | 47.80                     |                     | 3841.54                  |  |
|                    | 3889.34                  | 09/04/19            |                     | 47.95                     |                     | 3841.39                  |  |
|                    | 3889.34                  | 12/06/19            |                     | 48.00                     |                     | 3841.34                  |  |
|                    | 3889.34                  | 03/05/20            |                     | 48.03                     |                     | 3841.31                  |  |
|                    | 3889.34                  | 06/06/20            |                     | 48.16                     |                     | 3841.18                  |  |
|                    | 3889.34                  | 09/24/20            |                     | 48.34                     |                     | 3841.00                  |  |
|                    | 3889.34                  | 12/10/20            |                     | 48.42                     |                     | 3840.92                  |  |
|                    | 3889.34                  | 03/02/21            |                     | 48.42                     |                     | 3840.92                  |  |
|                    | 3889.34                  | 06/08/21            |                     | 48.50                     |                     | 3840.84                  |  |
|                    | 3889.34                  | 09/08/21            |                     | 48.60                     |                     | 3840.74                  |  |
|                    |                          | 12/07/21            |                     |                           |                     |                          |  |
|                    | 3889.34<br>3889.34       |                     |                     | 48.71                     |                     | 3840.63                  |  |
|                    |                          | 03/08/22            |                     | 48.74                     |                     | 3840.60                  |  |
|                    | 3889.34                  | 06/21/22            |                     | 48.89                     |                     | 3840.45                  |  |
|                    | 3889.34                  | 09/13/22            |                     | 49.02                     |                     | 3840.32                  |  |
|                    | 3889.34                  | 12/07/22            |                     | 49.10                     |                     | 3840.24                  |  |
|                    | 3889.34                  | 03/07/23            |                     | 49.22                     |                     | 3840.12                  |  |
|                    | 3889.34                  | 06/13/23            |                     | 49.27                     |                     | 3840.07                  |  |
|                    | 3889.34                  | 09/06/23            |                     | 49.45                     |                     | 3839.89                  |  |
|                    | 3889.34                  | 12/12/23            |                     | 49.77                     |                     | 3839.57                  |  |
|                    | 3889.34                  | 03/12/24            |                     | 50.00                     |                     | 3839.34                  |  |
|                    | 3889.34                  | 06/18/24            |                     | 50.42                     |                     | 3838.92                  |  |
|                    | 3889.34                  | 09/06/24            |                     | 50.20                     |                     | 3839.14                  |  |
|                    | 3889.34                  | 11/21/24            |                     | 50.31                     |                     | 3839.03                  |  |
|                    | 3889.34                  | 03/20/25            |                     | 50.36                     |                     | 3838.98                  |  |

| Monitoring<br>Well | Top of<br>Casing<br>Elevation<br>(AMSL-Feet) | Depth to<br>Liquid<br>Measurement<br>Date | Depth to<br>LNAPL<br>(Feet-TOC) | Depth to<br>Groundwater<br>(Feet-TOC) | LNAPL<br>Thickness<br>(Feet) | Groundwater<br>Elevation<br>(AMSL-Feet) |
|--------------------|--|---|---------------------------------|---------------------------------------|------------------------------|---|
| MW-4               | 3888.90                                      | 06/03/14                                  |                                 | 46.38                                 |                              | 3842.52                                 |
|                    | 3888.90                                      | 09/22/14                                  |                                 | 46.50                                 |                              | 3842.40                                 |
|                    | 3888.90                                      | 12/10/14                                  |                                 | 46.14                                 |                              | 3842.76                                 |
|                    | 3888.90                                      | 03/11/15                                  |                                 | 46.35                                 |                              | 3842.55                                 |
|                    | 3888.90                                      | 06/10/15                                  |                                 | 46.49                                 |                              | 3842.41                                 |
|                    | 3888.90                                      | 09/02/15                                  |                                 | 46.57                                 |                              | 3842.33                                 |
|                    | 3888.90                                      | 12/09/15                                  |                                 | 46.68                                 |                              | 3842.22                                 |
|                    | 3888.90                                      | 03/09/16                                  |                                 | 46.75                                 |                              | 3842.15                                 |
|                    | 3888.90                                      | 06/28/16                                  |                                 | 46.87                                 |                              | 3842.03                                 |
|                    | 3888.90                                      | 09/21/16                                  |                                 | 46.94                                 |                              | 3841.96                                 |
|                    | 3888.90                                      | 12/07/16                                  |                                 | 47.03                                 |                              | 3841.87                                 |
|                    | 3888.90                                      | 03/08/17                                  |                                 | 47.08                                 |                              | 3841.82                                 |
|                    | 3888.90                                      | 06/06/17                                  |                                 | 47.15                                 |                              | 3841.75                                 |
|                    | 3888.90                                      | 09/08/17                                  |                                 | 47.24                                 |                              | 3841.66                                 |
|                    | 3888.90                                      | 12/04/17                                  |                                 | 47.29                                 |                              | 3841.61                                 |
|                    | 3888.90                                      | 03/05/18                                  |                                 | 47.38                                 |                              | 3841.52                                 |
|                    | 3888.90                                      | 06/05/18                                  |                                 | 47.50                                 |                              | 3841.40                                 |
|                    | 3888.90                                      | 09/05/18                                  |                                 | 47.53                                 |                              | 3841.37                                 |
|                    | 3888.90                                      | 12/11/18                                  |                                 | 47.62                                 |                              | 3841.28                                 |
|                    | 3888.90                                      | 03/06/19                                  |                                 | 47.72                                 |                              | 3841.18                                 |
|                    | 3888.90                                      | 06/04/19                                  |                                 | 47.80                                 |                              | 3841.10                                 |
|                    | 3888.90                                      | 09/04/19                                  |                                 | 47.98                                 |                              | 3840.92                                 |
|                    | 3888.90                                      | 12/06/19                                  |                                 | 48.00                                 |                              | 3840.90                                 |
|                    | 3888.90                                      | 03/05/20                                  |                                 | 48.07                                 |                              | 3840.83                                 |
|                    | 3888.90                                      | 06/06/20                                  |                                 | 48.20                                 |                              | 3840.70                                 |
|                    | 3888.90                                      | 09/24/20                                  |                                 | 48.32                                 |                              | 3840.58                                 |
|                    | 3888.90                                      | 12/10/20                                  |                                 | 48.39                                 |                              | 3840.51                                 |
|                    | 3888.90                                      | 03/02/21                                  |                                 | 48.44                                 |                              | 3840.46                                 |
|                    | 3888.90                                      | 06/08/21                                  |                                 | 48.55                                 |                              | 3840.35                                 |
|                    | 3888.90                                      | 09/08/21                                  |                                 | 48.60                                 |                              | 3840.30                                 |
|                    | 3888.90                                      | 12/07/21                                  |                                 | 48.72                                 |                              | 3840.18                                 |
|                    | 3888.90                                      | 03/08/22                                  |                                 | 48.80                                 |                              | 3840.10                                 |
|                    | 3888.90                                      | 06/21/22                                  |                                 | 48.92                                 |                              | 3839.98                                 |
|                    | 3888.90                                      | 09/13/22                                  |                                 | 49.02                                 |                              | 3839.88                                 |
|                    | 3888.90                                      | 12/07/22                                  |                                 | 49.06                                 |                              | 3839.84                                 |
|                    | 3888.90                                      | 03/07/23                                  |                                 | 49.17                                 |                              | 3839.73                                 |
|                    | 3888.90                                      | 06/13/23                                  |                                 | 49.17                                 |                              | 3839.63                                 |
|                    | 3888.90                                      | 09/06/23                                  |                                 | 49.27                                 |                              | 3839.47                                 |
|                    | 3888.90                                      | 12/12/23                                  |                                 | 50.02                                 |                              | 3838.88                                 |
|                    | 3888.90                                      | 03/12/24                                  |                                 | 50.02                                 |                              | 3838.81                                 |
|                    | 3888.90                                      | 06/18/24                                  |                                 | 50.54                                 |                              | 3838.36                                 |
|                    |  | 09/06/24                                  |                                 |                                       |                              |   |
|                    | 3888.90                                      |   |                                 | 50.30                                 |                              | 3838.60                                 |
|                    | 3888.90                                      | 11/21/24                                  |                                 | 50.41                                 |                              | 3838.49                                 |
|                    | 3888.90                                      | 03/20/25                                  |                                 | 50.44                                 |                              | 3838.46                                 |

| Monitoring<br>Well | Top of<br>Casing<br>Elevation<br>(AMSL-Feet) | Depth to<br>Liquid<br>Measurement<br>Date | Depth to<br>LNAPL<br>(Feet-TOC) | Depth to<br>Groundwater<br>(Feet-TOC) | LNAPL<br>Thickness<br>(Feet) | Groundwater<br>Elevation<br>(AMSL-Feet) |
|--------------------|--|---|---------------------------------|---------------------------------------|------------------------------|---|
| MW-5               | 3890.41                                      | 06/03/14                                  |                                 | 46.56                                 |                              | 3843.85                                 |
|                    | 3890.41                                      | 09/22/14                                  |                                 | 46.70                                 |                              | 3843.71                                 |
|                    | 3890.41                                      | 12/10/14                                  |                                 | 46.29                                 |                              | 3844.12                                 |
|                    | 3890.41                                      | 03/11/15                                  |                                 | 46.44                                 |                              | 3843.97                                 |
|                    | 3890.41                                      | 06/10/15                                  |                                 | 46.69                                 |                              | 3843.72                                 |
|                    | 3890.41                                      | 09/02/15                                  |                                 | 46.79                                 |                              | 3843.62                                 |
|                    | 3890.41                                      | 12/09/15                                  |                                 | 46.85                                 |                              | 3843.56                                 |
|                    | 3890.41                                      | 03/09/16                                  |                                 | 46.90                                 |                              | 3843.51                                 |
|                    | 3890.41                                      | 06/28/16                                  |                                 | 47.08                                 |                              | 3843.33                                 |
|                    | 3890.41                                      | 09/21/16                                  |                                 | 47.13                                 |                              | 3843.28                                 |
|                    | 3890.41                                      | 12/07/16                                  |                                 | 47.14                                 |                              | 3843.27                                 |
|                    | 3890.41                                      | 03/08/17                                  |                                 | 47.23                                 |                              | 3843.18                                 |
|                    | 3890.41                                      | 06/06/17                                  |                                 | 47.32                                 |                              | 3843.09                                 |
|                    | 3890.41                                      | 09/08/17                                  |                                 | 47.40                                 |                              | 3843.01                                 |
|                    | 3890.41                                      | 12/04/17                                  |                                 | 47.27                                 |                              | 3843.14                                 |
|                    | 3890.41                                      | 03/05/18                                  |                                 | 47.54                                 |                              | 3842.87                                 |
|                    | 3890.41                                      | 06/05/18                                  |                                 | 47.66                                 |                              | 3842.75                                 |
|                    | 3890.41                                      | 09/05/18                                  |                                 | 47.72                                 |                              | 3842.69                                 |
|                    | 3890.41                                      | 12/11/18                                  |                                 | 47.80                                 |                              | 3842.61                                 |
|                    | 3890.41                                      | 03/06/19                                  |                                 | 47.85                                 |                              | 3842.56                                 |
|                    | 3890.41                                      | 06/04/19                                  |                                 | 47.98                                 |                              | 3842.43                                 |
|                    | 3890.41                                      | 09/04/19                                  |                                 | 48.15                                 |                              | 3842.26                                 |
|                    | 3890.41                                      | 12/06/19                                  |                                 | 48.17                                 |                              | 3842.24                                 |
|                    | 3890.41                                      | 03/05/20                                  |                                 | 48.23                                 |                              | 3842.18                                 |
|                    | 3890.41                                      | 06/06/20                                  |                                 | 48.33                                 |                              | 3842.08                                 |
|                    | 3890.41                                      | 09/24/20                                  |                                 | 48.51                                 |                              | 3841.90                                 |
|                    | 3890.41                                      | 12/10/20                                  |                                 | 48.60                                 |                              | 3841.81                                 |
|                    | 3890.41                                      | 03/02/21                                  |                                 | 48.60                                 |                              | 3841.81                                 |
|                    | 3890.41                                      | 06/08/21                                  |                                 | 48.66                                 |                              | 3841.75                                 |
|                    | 3890.41                                      | 09/08/21                                  |                                 | 48.76                                 |                              | 3841.65                                 |
|                    | 3890.41                                      | 12/07/21                                  |                                 | 48.90                                 |                              | 3841.51                                 |
|                    | 3890.41                                      | 03/08/22                                  |                                 | 48.90                                 |                              | 3841.51                                 |
|                    | 3890.41                                      | 06/21/22                                  |                                 | 49.09                                 |                              | 3841.32                                 |
|                    | 3890.41                                      | 09/13/22                                  |                                 | 49.09                                 |                              | 3841.22                                 |
|                    |  |   |                                 |                                       |                              |   |
|                    | 3890.41<br>3890.41                           | 12/07/22<br>03/07/23                      |                                 | 49.28<br>49.38                        |                              | 3841.13<br>3841.03                      |
|                    | 3890.41                                      | 03/07/23                                  |                                 | 49.38                                 |                              | 3841.03                                 |
|                    |  |   |                                 |                                       |                              |   |
|                    | 3890.41                                      | 09/06/23                                  |                                 | 49.64                                 |                              | 3840.77                                 |
|                    | 3890.41                                      | 12/12/23                                  |                                 | 49.84                                 |                              | 3840.57                                 |
|                    | 3890.41                                      | 03/12/24                                  |                                 | 50.12                                 |                              | 3840.29                                 |
|                    | 3890.41                                      | 06/18/24                                  |                                 | 50.52                                 |                              | 3839.89                                 |
|                    | 3890.41                                      | 09/06/24                                  |                                 | 50.39                                 |                              | 3840.02                                 |
|                    | 3890.41                                      | 11/21/24                                  |                                 | 50.42                                 |                              | 3839.99                                 |
|                    | 3890.41                                      | 03/20/25                                  |                                 | 50.49                                 |                              | 3839.92                                 |

| Monitoring<br>Well | Top of<br>Casing<br>Elevation<br>(AMSL-Feet) | Depth to<br>Liquid<br>Measurement<br>Date | Depth to<br>LNAPL<br>(Feet-TOC) | Depth to<br>Groundwater<br>(Feet-TOC) | LNAPL<br>Thickness<br>(Feet) | Groundwater<br>Elevation<br>(AMSL-Feet) |
|--------------------|--|---|---------------------------------|---------------------------------------|------------------------------|---|
| MW-6               | 3888.25                                      | 06/03/14                                  |                                 | 46.25                                 |                              | 3842.00                                 |
|                    | 3888.25                                      | 09/22/14                                  |                                 | 46.39                                 |                              | 3841.86                                 |
|                    | 3888.25                                      | 12/10/14                                  |                                 | 46.09                                 |                              | 3842.16                                 |
|                    | 3888.25                                      | 03/11/15                                  |                                 | 46.23                                 |                              | 3842.02                                 |
|                    | 3888.25                                      | 06/10/15                                  |                                 | 46.32                                 |                              | 3841.93                                 |
|                    | 3888.25                                      | 09/02/15                                  |                                 | 46.48                                 |                              | 3841.77                                 |
|                    | 3888.25                                      | 12/09/15                                  |                                 | 46.57                                 |                              | 3841.68                                 |
|                    | 3888.25                                      | 03/09/16                                  |                                 | 46.62                                 |                              | 3841.63                                 |
|                    | 3888.25                                      | 06/28/16                                  |                                 | 46.74                                 |                              | 3841.51                                 |
|                    | 3888.25                                      | 09/21/16                                  |                                 | 46.81                                 |                              | 3841.44                                 |
|                    | 3888.25                                      | 12/07/16                                  |                                 | 46.90                                 |                              | 3841.35                                 |
|                    | 3888.25                                      | 03/08/17                                  |                                 | 46.93                                 |                              | 3841.32                                 |
|                    | 3888.25                                      | 06/06/17                                  |                                 | 47.08                                 |                              | 3841.17                                 |
|                    | 3888.25                                      | 09/08/17                                  |                                 | 47.12                                 |                              | 3841.13                                 |
|                    | 3888.25                                      | 12/04/17                                  |                                 | 47.21                                 |                              | 3841.04                                 |
|                    | 3888.25                                      | 03/05/18                                  |                                 | 47.30                                 |                              | 3840.95                                 |
|                    | 3888.25                                      | 06/05/18                                  |                                 | 47.36                                 |                              | 3840.89                                 |
|                    | 3888.25                                      | 09/05/18                                  |                                 | 47.43                                 |                              | 3840.82                                 |
|                    | 3888.25                                      | 12/11/18                                  |                                 | 47.52                                 |                              | 3840.73                                 |
|                    | 3888.25                                      | 03/06/19                                  |                                 | 47.60                                 |                              | 3840.65                                 |
|                    | 3888.25                                      | 06/04/19                                  |                                 | 47.71                                 |                              | 3840.54                                 |
|                    | 3888.25                                      | 09/04/19                                  |                                 | 47.81                                 |                              | 3840.44                                 |
|                    | 3888.25                                      | 12/06/19                                  |                                 | 47.90                                 |                              | 3840.35                                 |
|                    | 3888.25                                      | 03/05/20                                  |                                 | 47.98                                 |                              | 3840.27                                 |
|                    | 3888.25                                      | 06/06/20                                  |                                 | 48.08                                 |                              | 3840.17                                 |
|                    | 3888.25                                      | 09/24/20                                  |                                 | 48.23                                 |                              | 3840.02                                 |
|                    | 3888.25                                      | 12/10/20                                  |                                 | 48.28                                 |                              | 3839.97                                 |
|                    | 3888.25                                      | 03/02/21                                  |                                 | 48.33                                 |                              | 3839.92                                 |
|                    | 3888.25                                      | 06/08/21                                  |                                 | 48.48                                 |                              | 3839.77                                 |
|                    | 3888.25                                      | 09/08/21                                  |                                 | 48.50                                 |                              | 3839.75                                 |
|                    | 3888.25                                      | 12/07/21                                  |                                 | 48.60                                 |                              | 3839.65                                 |
|                    | 3888.25                                      | 03/08/22                                  |                                 | 48.67                                 |                              | 3839.58                                 |
|                    | 3888.25                                      | 06/21/22                                  |                                 | 48.82                                 |                              | 3839.43                                 |
|                    | 3888.25                                      | 09/13/22                                  |                                 | 48.91                                 |                              | 3839.34                                 |
|                    | 3888.25                                      | 12/07/22                                  |                                 | 49.01                                 |                              | 3839.24                                 |
|                    | 3888.25                                      | 03/07/23                                  |                                 | 49.06                                 |                              | 3839.19                                 |
|                    | 3888.25                                      | 06/13/23                                  |                                 | 49.00                                 |                              | 3839.08                                 |
|                    | 3888.25                                      | 09/06/23                                  |                                 | 49.17                                 |                              | 3838.95                                 |
|                    | 3888.25                                      | 12/12/23                                  |                                 | 50.21                                 |                              | 3838.04                                 |
|                    | 3888.25                                      | 03/12/24                                  |                                 | 50.21                                 |                              | 3838.18                                 |
|                    | 3888.25                                      | 06/18/24                                  |                                 | 50.62                                 |                              | 3837.63                                 |
|                    |  | 09/06/24                                  |                                 | 50.62                                 |                              | 3838.02                                 |
|                    | 3888.25                                      |   |                                 |                                       |                              |   |
|                    | 3888.25                                      | 11/21/24                                  |                                 | 50.42                                 |                              | 3837.83                                 |
|                    | 3888.25                                      | 03/20/25                                  |                                 | 50.51                                 |                              | 3837.74                                 |

| Monitoring<br>Well | Top of<br>Casing<br>Elevation<br>(AMSL-Feet) | Depth to<br>Liquid<br>Measurement<br>Date | Depth to<br>LNAPL<br>(Feet-TOC) | Depth to<br>Groundwater<br>(Feet-TOC) | LNAPL<br>Thickness<br>(Feet) | Groundwater<br>Elevation<br>(AMSL-Feet) |
|--------------------|--|---|---------------------------------|---------------------------------------|------------------------------|---|
| MW-7               | 3889.23                                      | 06/03/14                                  |                                 | 45.94                                 |                              | 3843.29                                 |
|                    | 3889.23                                      | 09/22/14                                  |                                 | 46.08                                 |                              | 3843.15                                 |
|                    | 3889.23                                      | 12/10/14                                  |                                 | 45.70                                 |                              | 3843.53                                 |
|                    | 3889.23                                      | 03/11/15                                  |                                 | 45.36                                 |                              | 3843.87                                 |
|                    | 3889.23                                      | 06/10/15                                  |                                 | 46.08                                 |                              | 3843.15                                 |
|                    | 3889.23                                      | 09/02/15                                  |                                 | 46.14                                 |                              | 3843.09                                 |
|                    | 3889.23                                      | 12/09/15                                  |                                 | 46.24                                 |                              | 3842.99                                 |
|                    | 3889.23                                      | 03/09/16                                  |                                 | 46.30                                 |                              | 3842.93                                 |
|                    | 3889.23                                      | 06/28/16                                  |                                 | 46.42                                 |                              | 3842.81                                 |
|                    | 3889.23                                      | 09/21/16                                  |                                 | 46.52                                 |                              | 3842.71                                 |
|                    | 3889.23                                      | 12/07/16                                  |                                 | 46.59                                 |                              | 3842.64                                 |
|                    | 3889.23                                      | 03/08/17                                  |                                 | 46.65                                 |                              | 3842.58                                 |
|                    | 3889.23                                      | 06/06/17                                  |                                 | 46.73                                 |                              | 3842.50                                 |
|                    | 3889.23                                      | 09/08/17                                  |                                 | 46.80                                 |                              | 3842.43                                 |
|                    | 3889.23                                      | 12/04/17                                  |                                 | 46.88                                 |                              | 3842.35                                 |
|                    | 3889.23                                      | 03/05/18                                  |                                 | 46.96                                 |                              | 3842.27                                 |
|                    | 3889.23                                      | 06/05/18                                  |                                 | 47.04                                 |                              | 3842.19                                 |
|                    | 3889.23                                      | 09/05/18                                  |                                 | 47.11                                 |                              | 3842.12                                 |
|                    | 3889.23                                      | 12/11/18                                  |                                 | 47.20                                 |                              | 3842.03                                 |
|                    | 3889.23                                      | 03/06/19                                  |                                 | 47.27                                 |                              | 3841.96                                 |
|                    | 3889.23                                      | 06/04/19                                  |                                 | 47.37                                 |                              | 3841.86                                 |
|                    | 3889.23                                      | 09/04/19                                  |                                 | 47.50                                 |                              | 3841.73                                 |
|                    | 3889.23                                      | 12/06/19                                  |                                 | 47.58                                 |                              | 3841.65                                 |
|                    | 3889.23                                      | 03/05/20                                  |                                 | 47.66                                 |                              | 3841.57                                 |
|                    | 3889.23                                      | 06/06/20                                  |                                 | 47.72                                 |                              | 3841.51                                 |
|                    | 3889.23                                      | 09/24/20                                  |                                 | 47.90                                 |                              | 3841.33                                 |
|                    | 3889.23                                      | 12/10/20                                  |                                 | 47.96                                 |                              | 3841.27                                 |
|                    | 3889.23                                      | 03/02/21                                  |                                 | 48.02                                 |                              | 3841.21                                 |
|                    | 3889.23                                      | 06/08/21                                  |                                 | 48.06                                 |                              | 3841.17                                 |
|                    | 3889.23                                      | 09/08/21                                  |                                 | 48.14                                 |                              | 3841.09                                 |
|                    | 3889.23                                      | 12/07/21                                  |                                 | 48.26                                 |                              | 3840.97                                 |
|                    | 3889.23                                      | 03/08/22                                  |                                 | 48.33                                 |                              | 3840.90                                 |
|                    | 3889.23                                      | 06/21/22                                  |                                 | 48.44                                 |                              | 3840.79                                 |
|                    | 3889.23                                      | 09/13/22                                  |                                 | 48.58                                 |                              | 3840.65                                 |
|                    | 3889.23                                      | 12/07/22                                  |                                 | 48.70                                 |                              | 3840.53                                 |
|                    | 3889.23                                      | 03/07/23                                  |                                 | 48.75                                 |                              | 3840.48                                 |
|                    | 3889.23                                      | 06/13/23                                  |                                 | 48.83                                 |                              | 3840.40                                 |
|                    | 3889.23                                      | 09/06/23                                  |                                 | 48.97                                 |                              | 3840.26                                 |
|                    | 3889.23                                      | 12/12/23                                  |                                 | 49.55                                 |                              | 3839.68                                 |
|                    | 3889.23                                      | 03/12/24                                  |                                 | 49.64                                 |                              | 3839.59                                 |
|                    | 3889.23                                      | 06/18/24                                  |                                 |                                       |                              | 3839.12                                 |
|                    |  | 09/06/24                                  |                                 | 50.11                                 |                              | 3839.12                                 |
|                    | 3889.23                                      |   |                                 | 49.80                                 |                              |   |
|                    | 3889.23                                      | 11/21/24                                  |                                 | 49.96                                 |                              | 3839.27                                 |
|                    | 3889.23                                      | 03/20/25                                  |                                 | 49.98                                 |                              | 3839.25                                 |

| Monitoring<br>Well | l op of<br>Casing<br>Elevation<br>(AMSL-Feet) | Depth to<br>Liquid<br>Measurement<br>Date | Depth to<br>LNAPL<br>(Feet-TOC) | Depth to<br>Groundwater<br>(Feet-TOC) | LNAPL<br>Thickness<br>(Feet) | Groundwater<br>Elevation<br>(AMSL-Feet) |
|--------------------|---|---|---------------------------------|---------------------------------------|------------------------------|---|
| MW-8               | 3887.06                                       | 06/03/14                                  |                                 | 44.94                                 |                              | 3842.12                                 |
|                    | 3887.06                                       | 09/22/14                                  |                                 | 45.11                                 |                              | 3841.95                                 |
|                    | 3887.06                                       | 12/10/14                                  |                                 | 44.79                                 |                              | 3842.27                                 |
|                    | 3887.06                                       | 03/11/15                                  |                                 | 44.94                                 |                              | 3842.12                                 |
|                    | 3887.06                                       | 06/10/15                                  |                                 | 45.22                                 |                              | 3841.84                                 |
|                    | 3887.06                                       | 09/02/15                                  |                                 | 45.21                                 |                              | 3841.85                                 |
|                    | 3887.06                                       | 12/09/15                                  |                                 | 45.29                                 |                              | 3841.77                                 |
|                    | 3887.06                                       | 03/09/16                                  |                                 | 45.35                                 |                              | 3841.71                                 |
|                    | 3887.06                                       | 06/28/16                                  |                                 | 45.56                                 |                              | 3841.50                                 |
|                    | 3887.06                                       | 09/21/16                                  |                                 | 45.67                                 |                              | 3841.39                                 |
|                    | 3887.06                                       | 12/07/16                                  |                                 | 45.64                                 |                              | 3841.42                                 |
|                    | 3887.06                                       | 03/08/17                                  |                                 | 45.68                                 |                              | 3841.38                                 |
|                    | 3887.06                                       | 06/06/17                                  |                                 | 45.78                                 |                              | 3841.28                                 |
|                    | 3887.06                                       | 09/08/17                                  |                                 | 45.82                                 |                              | 3841.24                                 |
|                    | 3887.06                                       | 12/04/17                                  |                                 | 45.91                                 |                              | 3841.15                                 |
|                    | 3887.06                                       | 03/05/18                                  |                                 | 46.03                                 |                              | 3841.03                                 |
|                    | 3887.06                                       | 06/05/18                                  |                                 | 46.12                                 |                              | 3840.94                                 |
|                    | 3887.06                                       | 09/05/18                                  |                                 | 46.16                                 |                              | 3840.90                                 |
|                    | 3887.06                                       | 12/11/18                                  |                                 | 46.26                                 |                              | 3840.80                                 |
|                    | 3887.06                                       | 03/06/19                                  |                                 | 46.33                                 |                              | 3840.73                                 |
|                    | 3887.06                                       | 06/04/19                                  |                                 | 46.42                                 |                              | 3840.64                                 |
|                    | 3887.06                                       | 09/04/19                                  |                                 | 46.53                                 |                              | 3840.53                                 |
|                    | 3887.06                                       | 12/06/19                                  |                                 | 46.62                                 |                              | 3840.44                                 |
|                    | 3887.06                                       | 03/05/20                                  |                                 | 46.71                                 |                              | 3840.35                                 |
|                    | 3887.06                                       | 06/06/20                                  |                                 | 46.79                                 |                              | 3840.27                                 |
|                    | 3887.06                                       | 09/24/20                                  |                                 | 46.95                                 |                              | 3840.11                                 |
|                    | 3887.06                                       | 12/10/20                                  |                                 | 47.02                                 |                              | 3840.04                                 |
|                    | 3887.06                                       | 03/02/21                                  |                                 | 47.06                                 |                              | 3840.00                                 |
|                    | 3887.06                                       | 06/08/21                                  |                                 | 47.21                                 |                              | 3839.85                                 |
|                    | 3887.06                                       | 09/08/21                                  |                                 | 47.25                                 |                              | 3839.81                                 |
|                    | 3887.06                                       | 12/07/21                                  |                                 | 47.36                                 |                              | 3839.70                                 |
|                    | 3887.06                                       | 03/08/22                                  |                                 | 47.41                                 |                              | 3839.65                                 |
|                    | 3887.06                                       | 06/21/22                                  |                                 | 47.55                                 |                              | 3839.51                                 |
|                    | 3887.06                                       | 09/13/22                                  |                                 | 47.66                                 |                              | 3839.40                                 |
|                    | 3887.06                                       | 12/07/22                                  |                                 | 47.75                                 |                              | 3839.31                                 |
|                    | 3887.06                                       | 03/07/23                                  |                                 | 47.82                                 |                              | 3839.24                                 |
|                    | 3887.06                                       | 06/13/23                                  |                                 | 47.92                                 |                              | 3839.14                                 |
|                    | 3887.06                                       | 09/06/23                                  |                                 | 48.11                                 |                              | 3838.95                                 |
|                    | 3887.06                                       | 12/12/23                                  |                                 | 48.75                                 |                              | 3838.31                                 |
|                    | 3887.06                                       | 03/12/24                                  |                                 | 48.80                                 |                              | 3838.26                                 |
|                    | 3887.06                                       | 06/18/24                                  |                                 | 49.25                                 |                              | 3837.81                                 |
|                    | 3887.06                                       |   |                                 |                                       |                              |   |
|                    |   | 09/06/24                                  |                                 | 48.93                                 |                              | 3838.13                                 |
|                    | 3887.06                                       | 11/21/24<br>03/20/25                      |                                 | 49.07                                 |                              | 3837.99                                 |
|                    | 3887.06                                       | 03/20/23                                  |                                 | 49.11                                 |                              | 3837.95                                 |

#### Notes:

1. TOC : Measured from top of casing.

2. LNAPL : Light non-aqueous phase liquid.

3. ---: Denotes not measured.

4. AMSL : Denotes above mean sea level (AMSL).

# Table 4 : Summary of Laboratory Analytical Results for Chloride in<br/>Groundwater SamplesExpand Energy Corporation, State M Lease (AP-72)<br/>Lea County, New Mexico

|       | Chloride (mg/L) |            |           |            |           |            |           |            |           |            |           |  |
|-------|-----------------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|--|
|       | June 2014       | Sept. 2014 | Dec. 2014 | March 2015 | June 2015 | Sept. 2015 | Dec. 2015 | March 2016 | June 2016 | Sept. 2016 | Dec. 2016 |  |
| MW-1R |                 | 51.4       | 116       | 39.0       | 24.6      | 21.6       | 23.5      | 34.8       | 24.9      | 28.5       | 44.8      |  |
| MW-2  | 17.7            | 17.4       | 18.3      | 16.6       | 16.8      | 16.6       | 15.4 *    | 13.5       | 18.9      | 17.6       | 18.2      |  |
| MW-3  | 59.7            | 59.7       | 58.9      | 57.0       | 57.1      | 56.3       | 50.5 *    | 49.3       | 51.5      | 52.0       | 55.1      |  |
| MW-4  | 586             | 534        | 535       | 543        | 556       | 567        | 546 *     | 525        | 527       | 569        | 605       |  |
| MW-5  | 28.6            | 27.3       | 27.9      | 26.1       | 26.2      | 25.8       | 22.4 *    | 22.4       | 26.1      | 26.2       | 27.8      |  |
| MW-6  | 282             | 263        | 268       | 261        | 253       | 277        | 197 *     | 150        | 128       | 128        | 125       |  |
| MW-7  | 42.7            | 29.6       | 36.0      | 39.7       | 36.2      | 35.2       | 28.8 *    | 27.7       | 36.0      | 38.2       | 39.6      |  |
| MW-8  | 409             | 442        | 463       | 485        | 558       | 327        | 499       | 504        | 539       | 490        | 768       |  |

Notes:

1. mg/L : milligrams per liter.

2. < : Analyte not detected at the laboratory reporting limit (RL).

3. All analyses performed by TestAmerica Laboratories in Nashville, Tennessee.

4. Cells shaded in blue indicate results that are above the laboratory RL.

 Cells with text bolded indicate results that exceed the New Mexico Administrative Code (NMAC) 20.6.2.3103, Standards for Groundwater: 10,000 mg/L total dissolved solids (TDS) and 250.0 mg/L chloride.

6. --- : Analysis not performed.

7. \* : Analysis performed outside of holding time.

8. December 2016 results for MW-1R and MW-8 were confirmed by laboratory reanalysis.

9. Sample MW-1R was collected in December 2017 under sample ID MW-R1 as shown on the COC and in the field book.

10. Beginning with the September 2019 sampling event, Eurofins (Edison, NJ) became the Project Laboratory.

# Table 4 : Summary of Laboratory Analytical Results for Chloride in<br/>Groundwater SamplesExpand Energy Corporation, State M Lease (AP-72)

|       |           |                 |           |            | Lea County, I | New Mexico |           |            |           |            |           |  |  |  |
|-------|-----------|-----------------|-----------|------------|---------------|------------|-----------|------------|-----------|------------|-----------|--|--|--|
|       |           | Chloride (mg/L) |           |            |               |            |           |            |           |            |           |  |  |  |
|       | June 2017 | Sept. 2017      | Dec. 2017 | March 2018 | June 2018     | Sept. 2018 | Dec. 2018 | March 2019 | June 2019 | Sept. 2019 | Dec. 2019 |  |  |  |
| MW-1R | 28.6      | 29.3            | 29.0      | 33.7       |               |            |           |            |           |            |           |  |  |  |
| MW-2  | 15.9      | 15.2            | 16.2      | 16.6       |               |            |           |            |           |            |           |  |  |  |
| MW-3  | 53.7      | 49.5            | 58.1      | 64.3       |               |            |           |            |           |            |           |  |  |  |
| MW-4  | 493       | 465             | 492       | 484        | 413           | 387        | 373       | 617        | 392       | 404        | 421       |  |  |  |
| MW-5  | 24.7      | 20.4            | 25.4      | 25.9       |               |            |           |            |           |            |           |  |  |  |
| MW-6  | 86.3      | 79.3            | 71.8      | 64.7       |               |            |           |            |           |            |           |  |  |  |
| MW-7  | 23.8      | 24.0            | 27.7      | 31.6       |               |            |           |            |           |            |           |  |  |  |
| MW-8  | 531       | 573             | 570       | 587        | 539           | 398        | 474       | 308        | 283       | 223        | 198       |  |  |  |

Notes:

1. mg/L : milligrams per liter.

2. < : Analyte not detected at the laboratory reporting limit (RL).

3. All analyses performed by TestAmerica Laboratories in Nashville, Tennessee.

4. Cells shaded in blue indicate results that are above the laboratory RL.

 Cells with text bolded indicate results that exceed the New Mexico Administrative Code (NMAC) 20.6.2.3103, Standards for Groundwater: 10,000 mg/L total dissolved solids (TDS) and 250.0 mg/L chloride.

6. --- : Analysis not performed.

7. \* : Analysis performed outside of holding time.

8. December 2016 results for MW-1R and MW-8 were confirmed by laboratory reanalysis.

9. Sample MW-1R was collected in December 2017 under sample ID MW-R1 as shown on the COC and in the field book.

10. Beginning with the September 2019 sampling event, Eurofins (Edison, NJ) became the Project Laboratory.

# Table 4 : Summary of Laboratory Analytical Results for Chloride in<br/>Groundwater SamplesExpand Energy Corporation, State M Lease (AP-72)

Lea County, New Mexico

|       | Chloride (mg/L) |           |            |           |            |           |            |           |            |           |            |  |
|-------|-----------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|--|
|       | March 2020      | June 2020 | Sept. 2020 | Dec. 2020 | March 2021 | June 2021 | Sept. 2021 | Dec. 2021 | March 2022 | June 2022 | Sept. 2022 |  |
| MW-1R |                 |           |            |           |            |           |            |           |            |           |            |  |
| MW-2  |                 |           |            |           |            |           |            |           |            |           |            |  |
| MW-3  |                 |           |            |           |            |           |            |           |            |           |            |  |
| MW-4  | 443             | 429       | 430        | 475       | 437        | 528       | 438        | 404       | 387        | 414       | 412        |  |
| MW-5  |                 |           |            |           |            |           |            |           |            |           |            |  |
| MW-6  |                 |           |            |           |            |           |            |           |            |           |            |  |
| MW-7  |                 |           |            |           |            |           |            |           |            |           |            |  |
| MW-8  | 118             | 97.4      | 88.8       | 73.5      | 63.9       | 92.5      | 65.4       | 56.2      | 29.6       |           |            |  |

Notes:

1. mg/L : milligrams per liter.

2. < : Analyte not detected at the laboratory reporting limit (RL).

3. All analyses performed by TestAmerica Laboratories in Nashville, Tennessee.

4. Cells shaded in blue indicate results that are above the laboratory RL.

 Cells with text bolded indicate results that exceed the New Mexico Administrative Code (NMAC) 20.6.2.3103, Standards for Groundwater: 10,000 mg/L total dissolved solids (TDS) and 250.0 mg/L chloride.

6. --- : Analysis not performed.

7. \* : Analysis performed outside of holding time.

8. December 2016 results for MW-1R and MW-8 were confirmed by laboratory reanalysis.

9. Sample MW-1R was collected in December 2017 under sample ID MW-R1 as shown on the COC and in the field book.

10. Beginning with the September 2019 sampling event, Eurofins (Edison, NJ) became the Project Laboratory.
# Table 4 : Summary of Laboratory Analytical Results for Chloride in<br/>Groundwater SamplesExpand Energy Corporation, State M Lease (AP-72)<br/>Lea County, New Mexico

|       |           | Chloride (mg/L) |           |            |           |            |           |            |           |            |
|-------|-----------|-----------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
|       | Dec. 2022 | March 2023      | June 2023 | Sept. 2023 | Dec. 2023 | March 2024 | June 2024 | Sept. 2024 | Nov. 2024 | March 2025 |
| MW-1R |           |                 |           |            |           |            |           |            |           |            |
| MW-2  |           |                 |           |            |           |            |           |            |           |            |
| MW-3  |           |                 |           |            |           |            |           |            |           |            |
| MW-4  | 398       | 376             | 356       | 402        | 362       | 339        | 374       | 361        | 345       | 290        |
| MW-5  |           |                 |           |            |           |            |           |            |           |            |
| MW-6  |           |                 |           |            |           |            |           |            |           |            |
| MW-7  |           |                 |           |            |           |            |           |            |           |            |
| MW-8  |           |                 |           |            |           |            |           |            |           |            |

#### Notes:

1. mg/L : milligrams per liter.

2. < : Analyte not detected at the laboratory reporting limit (RL).

3. All analyses performed by TestAmerica Laboratories in Nashville, Tennessee.

4. Cells shaded in blue indicate results that are above the laboratory RL.

 Cells with text bolded indicate results that exceed the New Mexico Administrative Code (NMAC) 20.6.2.3103, Standards for Groundwater: 10,000 mg/L total dissolved solids (TDS) and 250.0 mg/L chloride.

6. --- : Analysis not performed.

7. \* : Analysis performed outside of holding time.

8. December 2016 results for MW-1R and MW-8 were confirmed by laboratory reanalysis.

9. Sample MW-1R was collected in December 2017 under sample ID MW-R1 as shown on the COC and in the field book.

10. Beginning with the September 2019 sampling event, Eurofins (Edison, NJ) became the Project Laboratory.

## Table 5 : Summary of Laboratory Analytical Results for Groundwater SamplesChesapeake Energy Corporation, State M LeaseLea County, New Mexico

|                                   | Cleanup |              | MW-1R     | MW-1R     | MW-1R    | MW-1R    |
|-----------------------------------|---------|--------------|-----------|-----------|----------|----------|
| Parameters                        | Levels  | Sample Date: | 21-Jun-22 | 13-Sep-22 | 7-Dec-22 | 7-Mar-23 |
| Volatile Organic Compounds (VOCs) |         | Units        |           |           |          |          |
| Benzene                           | 5       | μg/L         | 3.71      | 3.80      | 2.55     | 1.59     |
| Toluene                           | 1000    | μg/L         | 0.902     | 0.955     | <0.500   | <0.500   |
| Ethylbenzene                      | 700     | μg/L         | 215       | 211       | 75.4     | 23.0     |
| Xylenes, Total                    | 620     | μg/L         | 261       | 235       | 76.0     | 18.2     |

#### Notes:

1.  $\mu$ g/L : micrograms per liter.

2. All analyses performed by Eurofins (formerly TestAmerica Laboratories).

3. < : Analyte not detected at the laboratory Reporting Limit (RL).

4. Cells shaded in blue indicate results that are above the laboratory Reporting Limit (RL).

5. Cleanup Criteria obtained from New Mexico Administrative Code (NMAC) 20.6.2.3103, Standards for Groundwater of 10,000 milligrams

per liter (mg/L) Concentration or Less: benzene (5 µg/L), toluene (1000 mg/L), ethylbenzene (700 mg/L), and xylenes (620 mg/L).

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## FIGURES

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| DOCUME                         | NT TITLE<br>ELEVENTH ANNUAL GROUNDWATER<br>MONITORING REPORT |         | FIGU  | RE TITL |
|--------------------------------|--|---------|-------|---------|
| CLIENT                         | EXPAND ENERGY CORPORATION                                    |         |       |         |
|                                | OKLAHOMA CITY, OKLAHOMA                                      | DESIGNE | D BY  | MM      |
| LOCATION STATE M LEASE (AP-72) |  | APPROVE | D BY  | MM      |
|                                | SEC. 18, T17S, R36E, LEA COUNTY, NEW MEXICO                  | DRAW    | /N BY | SK      |











## **APPENDICES**

- A Stage 2 Abatement Plan
- B NMOCD Approval of Stage 2 Abatement Plan
- C Laboratory Analytical Reports and Chain-of-Custody Documentation

## **APPENDIX A**

## **STAGE 2 ABATEMENT PLAN**



Mr. Glenn Von Gonten New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Subject: State M-1 AP-072 Stage 2 Abatement Plan

Dear Mr. Von Gonten:

On behalf of Chesapeake Energy Corporation, ARCCADIS U.S. Inc. respectfully submits the enclosed Stage 2 Abatement plan for the State M-1 site (AP-072). A Stage 1 Abatement Plan Report was submitted on March 20, 2012. Your review and approval of this Abatement Plan will be appreciated. The landowner, Darr Angell, is anxious for us to complete soil remediation at this site.

If you have any questions please do not hesitate to contact Bradley Blevins at (575) 391-1462 or via e-mail at bblevins@chkenergy or me at (432) 687-5400, e-mail address shall@aracdis-us.com.

ARCADIS U.S., Inc. 1004 North Big Spring Street Suite 300 Midland Texas 79701 Tel 432 687 5400 Fax 432 687 5401 www.arcadis-us.com

ENVIRONMENT

Date: March 27, 2012

Contact: Sharon Hall

Phone: 432 687-5400

Email: shall@aracdis-us.com

Our ref: MT001088

ARCADIS U.S., Inc. TX Engineering License # F-533

Sincerely,

ARCADIS U.S., Inc.

Sham E. Hael

Sharon E. Hall Associate Vice President

<sup>Copies:</sup> <mark>Bradley Blevins- C</mark>hesapeake, Hobbs

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Imagine the result

**Chesapeake Energy Corporation** 

State M-1 AP-072 Stage 2 Abatement Plan Proposal

Hobbs, New Mexico

March 27, 2012



State M-1 AP-072

Stage 2 Abatement Plan Proposal

Prepared for: Chesapeake Energy Corporation Hobbs, New Mexico

Prepared by: ARCADIS U.S., Inc. 1004 North Big Spring Street Suite 300 Midland Texas 79701 Tel 432 687 5400 Fax 432 687 5401

Our Ref.: MT001088.0001.00001

Date: March 27, 2012

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Sharon Hall Associate Vice President

i

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State M-1 AP-072

Stage 2 Abatement Plan Proposal

Chesapeake Energy Corporation Hobbs, New Mexico

## 1. INTRODUCTION

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The subject site is a former tank battery site located east of Buckeye, New Mexico. The site was purchased by Chesapeake Energy Corporation (Chesapeake) in April 2004. Chesapeake did not operate the tank battery or the associated well field and began the process of facility abandonment in 2007.

Seven monitor wells and nine soil borings have been drilled at the site. Elevated chloride concentrations and limited hydrocarbon compounds were detected in soil samples collected from soil borings and monitoring wells. Elevated chlorides were detected in the down gradient monitor wells and light non-aqueous phase liquid (LNAPL) occurs in monitoring well MW-1. LNAPL recovery activities have been piloted at the site and will commence again upon completion of surface reclamation activities.

#### 2. SUMMARY OF STAGE 1 ABATEMENT ACTIVITIES

Initial site investigation activities were conducted in May of 2007 following abandonment of the tank battery. Stage 1 Abatement activities were conducted during the period of May 2007 through September 2011. Stage 1 Abatement activities included drilling and soil sampling of nine boreholes, drilling and sampling of seven monitor wells, EM 31 and EM 34 surveys, conversion of one monitoring well into a recovery well and recovery of phase-separated hydrocarbons from the recovery well.

New Mexico Oil Conservation Division (NMOCD) was notified of impacts to groundwater at the site via e-mail on May 30, 2007. NMOCD notified Chesapeake in a letter dated June 19, 2007 that a Stage 1 Abatement Plan was required for the site in accordance with Rule 19.

The Stage 1 Abatement Plan was submitted to NMOCD on August 22, 2007. The plan summarized site activities taken to date. The plan proposed the drilling and sampling of a minimum of three additional soil borings and installation and sampling of nine groundwater monitoring wells.

BBC contacted NMOCD via email on April 24, 2010 to inquire about the status of the Stage 1 Abatement Plan approval and Chesapeake's desire to conduct the proposed Stage 1 Abatement Plan activities. On May 27, 2010, NMOCD responded via email that the State was not staffed to review the Abatement Plans (APs) in a timely manner. On June 23, 2010, BBC contacted NMOCD via email to request a waiver of the Public Notice requirement and inform NMOCD that Chesapeake and the landowner were

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anxious to move forward with the proposed AP activities. NMOCD replied via email on June 23, 2010 stating they were still understaffed to review the AP and could not waive the Public Notice requirement. They advised BBC that Chesapeake could proceed "at risk." On July 12, 2010 BBC informed NMOCD by registered letter that Chesapeake was planning to start the Stage 1 Assessment on or about August 23, 2010. They further informed NMOCD they would be submitting the required Public Notices, a copy of which was attached to the letter. NMOCD did not respond to the registered letter.

The public notices were published in the Hobbs News-Sun and Lovington Leader on July 22, 2010 and the Albuquerque Journal on July 24, 2010. No comments were received from the public or NMOCD during the 30-day comment period and Chesapeake proceeded with the proposed Stage 1 Abatement Plan activities on August 26, 2010. Copies of correspondence and Public Notice are included in Appendix A.

A detailed description of site activities and results can be found in the report submitted to NMOCD dated March 20, 2012 entitled State M-1 AP-072, Stage 1 Abatement Report (Site Assessment Investigation). Analytical results for soil and groundwater sampling are summarized on Figure 1.

#### 3. STAGE 2 ABATEMENT PLAN PROPOSAL

After review of various remedial options, we propose the following Stage 2 Abatement Plan. The plan addresses soil and groundwater remediation.

#### 3.1 Soil Remediation

The selected remedial option will be the excavation of near-surface soils and installation of clay liners. The anticipated extent and depth of excavation is based on assessment activities (laboratory analysis and visual observation) and is shown in Figure 2. Near surface soils (to a depth of 5 feet below ground surface) with chloride concentrations in excess of 1,000 milligrams per kilogram (mg/kg) and a Total Petroleum Hydrocarbons (TPH) concentration in excess of 1,000 mg/kg will be excavated and disposed. Excavated soils will be disposed at Lea Land Landfill.

Areas where chloride or TPH concentrations are expected to exceed 1,000 mg/kg at depths greater than 5 feet below ground surface soils will be excavated to a depth of 5

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feet below ground surface. Soils will be screened in the field for chlorides using chloride field test kits and for TPH using a photoionization. Critical samples (samples used to delineate the excavations) will be submitted for laboratory analysis of chlorides and/or TPH. Following excavation, a 12-inch compacted clay layer that meets or exceeds a permeability of equal to or less than  $1 \times 10^{-8}$  centimeters per second will be installed in the excavations. The lined excavations will be backfilled with four feet of locally obtained native soil. All of the excavated areas will be re-seeded with native vegetation. Areas that are supporting vegetation will not be disturbed.

Use of the USEPA Multi-Med model demonstrates that the clay liners will mitigate the leaching of chlorides to groundwater. The model predicts that after 7000 years of infiltration through the liner the maximum concentration of chlorides in groundwater will be 221.8 milligrams per liter (mg/L). The Multi-Med inputs and outputs are included in Appendix A.

#### 3.2 Groundwater Remediation and Monitoring

One additional groundwater monitoring well will be installed downgradient of the site. The monitoring well will be designated MW-8.

Groundwater samples will be collected from all of the monitoring wells and analyzed for chlorides using USEPA method 9056 for each of four quarters. Based on sample results for one year (four quarters), sampling frequency will be reviewed and may be revised.

Sampling will be discontinued when eight quarters of sample results indicate chloride concentrations are below New Mexico Water Quality Control Commission, Title 20, Chapter 6, Part 2 standards. Sample results will be submitted to the NMOCD annually on June 15.

Following removal of LNAPL from MW-1, groundwater samples will be collected from MW-1 and analyzed for benzene, toluene ethylbenzene and xylenes (BTEX) using USEPA method 8260B for each of four quarters. Based on sample results for one year (four quarters), sampling frequency will be reviewed and may be revised.

Sampling of MW-1 for BTEX will be discontinued when eight quarters of sample results indicate BTEX concentrations are below New Mexico Water Quality Control Commission, Title 20, Chapter 6, Part 2 standards. Sample results will be submitted to

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the NMOCD annually on June 15. Proposed groundwater remediation is presented in Sections 3.2.1 and 3.2.2.

3.2.1 Chlorides

Chloride concentrations in groundwater exceed New Mexico Water Quality Control Commission standards in two wells (MW-1 411mg/L and MW-4 472mg/L).

Removal of near-surface soils that are a potential source of chlorides and BTEX in groundwater and lining of excavations with chloride and TPH concentrations in excess of 1,000 mg/kg will mitigate leaching of chlorides to groundwater. Considering the relatively low concentrations of chlorides in groundwater and the fact that soil removal and clay liner infiltration barrier installation will be conducted at this site, we propose monitoring the site for a period of two years before considering pumping of groundwater at this site. With the proposed source removal and mitigation and the severe drought conditions being experienced in this area, we believe it prudent to evaluate if chloride mass removal by pumping is warranted at this site.

3.2.2 Hydrocarbons

A pilot LNAPL recovery test will take place over a three week period and will be used to develop long-term recovery procedures. LNAPL will be recovered from MW-1 and disposed in a NMOCD approved facility. Additionally, two soil vent borings equipped with wind turbines will be installed in the area near MW-1.

#### 4. PUBLIC NOTIFICATION

Written notification of submittal of the Stage 2 Abatement Plan Proposal and site activities will be sent to all surface owners of record within a one-mile radius of the site. NMOCD will be supplied with a list of parties to be notified. Publication of notice of activities will be published in a state-wide circulated newspaper, the Albuquerque Journal, and two county newspapers, the Hobbs-Daily News Sun and the Lovington Leader.

#### 5. REMEDIATION WORK SCHEDULE

Soil remediation activities are expected to be completed in 15 working days (Monday through Friday). Groundwater remediation activities will be ongoing. An estimated completion date for groundwater remediation is not available.

State M-1 AP-072

Stage 2 Abatement Plan Proposal

Chesapeake Energy Corporation Hobbs, New Mexico

#### 6. REFERENCES

Groundwater Handbook; United States Environmental Protection Agency, Office of Research and Development, Center for Environmental Research Information; 1992

New Mexico Water Quality Control Commission, Title 20 Chapter 6, Part 2, Subpart I

State M-1 AP-072 Stage 1 Abatement Report (Site Assessment Investigation); ARCADIS; March 2012

State M-1Salt Water Disposal Tank Battery, Stage 1 Abatement Plan (Ap-072), BBC International; August 2007

New Mexico Water Quality Control Commission, Title 20 Chapter 6, Part 2, Subpart I

#### Page 57 of 250







.

Appendix A

Multi-Med Model Inputs and Outputs

#### Chesapeake State M-1 Chesapeake Energy Corporation Buckeye, Lea County, New Mexico Multimed Model Input and Output (With Liner)

| MOD                                 | EL INPUT          | AND OUT    | PUT               |                     |                | MODEL         | RANGE          |
|-------------------------------------|-------------------|------------|-------------------|---------------------|----------------|---------------|----------------|
|                                     | <b>VPUT PAF</b>   | RAMETERS   | S                 |                     |                | Minimum       | Maximum        |
|                                     | U                 | nsaturated | d Zone Flo        | w Parameters        |                |               |                |
| Depth of Unsaturated Zone           | m                 | 45         | feet              | 13.7 m              |                | 0.000000001   | None           |
| Hydraulic Conductivity              | cm/hr             | 2          | ft/day            | 2.54 cm             | i/hr 👘         | 0.00000000001 | 10,000         |
| Unsaturated Zone Porosity           | fraction          | 0.05       | fraction          | 0.05 frac           | ction          | 0.000000001   | 0.99           |
| Residual Water Content              | fraction          | 0.01       | fraction          |                     | ction          | 0.000000001   | 1              |
|                                     | Uns               | aturated Z | one Trans         | port Parameters     | \$             |               |                |
| Thickness of Layer                  | m                 | 45         | feet              | 13.7 m              |                | 0.000000001   | None           |
| Percent of Organic Matter           | %                 | 2.6        | %                 | 2.6 %               | 197            | 0             | 100            |
| Bulk Density                        | g/cm <sup>3</sup> | 1.35       | g/cm <sup>3</sup> | 1.35 g/ci           | m <sup>3</sup> | 0.01          | 5              |
| Biological Decay Coefficient        | 1/yr              | 0          | 1/yr              | 0 1/yı              |                | 0             | None           |
|                                     |                   | Aqu        | lifer Paran       | ieters              |                |               |                |
| Aquifer Porosity                    | fraction          | 0.25       | fraction          |                     | ction          | 0.000000001   | 0.99           |
| Bulk Density                        | g/cm <sup>3</sup> | 1.35       | g/cm <sup>3</sup> | 1.35 g/ci           | m <sup>3</sup> | 0.01          | 5              |
| Aquifer Thickness                   | m                 | 50         | ft                | 15.24 m             |                | 0.000000001   | 100,000        |
| Hydraulic Conductivity              | m/yr              | 2          | ft/day            | 223 m/y             | yr             | 0.0000001     | 100,000,000    |
| Hydraulic Gradient                  | m/m               | 0.007      | m/m               | 0.007 m/n           | m              | 0.00000001    | None           |
| Organic Carbon Content              | fraction          | 0.00315    | fraction          | 0.00315 frac        | ction          | 0.000001      | 1              |
| Temperature of Aquifer              | °C                | 14.4       | °C                | 14.4 °C             | 99 - 99 L      | 0.00000001    | None           |
| рН                                  |                   | 6.2        |                   | 6.2                 | en Neels       | 0.3           | 14             |
| x-distance Radial Distance from     |                   |            |                   |                     |                |               |                |
| Site to Receptor                    | m                 | 1          | m                 | 1 1                 | m              | 1             | None           |
|                                     |                   | Sou        | rce Param         | eters               |                |               |                |
| Infiltration Rate from the Facility | m/yr              | 0.124      | in/yr             | 0.00315 m/y         |                | 0.0000000001  | 10,000,000,000 |
| Area of Waste Disposal Unit         | m <sup>2</sup>    | 46,800     | ft <sup>2</sup>   | 4348 m <sup>2</sup> |                | 0.01          | None           |
| Length Scale of Facility            | m                 | 240        | feet              | 73:2 m              |                | 0.000000001   | 10,000,000,000 |
| Width Scale of Facility             | m                 | 195        | feet              | 59.4 m              |                | 0.000000001   | 10,000,000,000 |
| Recharge Rate into the Plume        | m/yr              | 16.71      | in/yr             | 0.4244 m/y          | /1             | 0             | 10,000,000,000 |
| Duration of Pulse                   | yr                | 8,000      | yr                | 8000 yr             | 1.1.1          | 0.00000001    | None           |
| Initial Concentration at Landfill   | mg/L_             | 6,000      | mg/L              | 6,000 mg/           | /L             | 0             | None           |
|                                     |                   | Addit      | ional Para        | meters              |                |               |                |
| Method                              |                   |            |                   | Gaussian            |                | Gaussian      | Patch          |
| Name of Chemical Specified          |                   |            |                   | Chloride            |                |               |                |

MODEL OUTPUT Final Concentration at Landfill mg/L 221.8 mg/L

|                           | MODEL OUTPUT |      |          |
|---------------------------|--------------|------|----------|
| Concentration at Landfill | 0.0 mg/L     | Time | 1 yr     |
|                           | 0.0 mg/L     |      | 10 yr    |
|                           | 0.0 mg/L     |      | 20 yr    |
|                           | 18.9 mg/L    |      | 50 yr    |
|                           | 36.6 mg/L    |      | 70 yr    |
|                           | 45.4 mg/L    |      | 80 yr    |
|                           | 61.8 mg/L    |      | 100 yr   |
|                           | 123.4 mg/L   |      | 200 yr   |
|                           | 154.1 mg/L   |      | 300 yr   |
|                           | 166.3 mg/L   |      | 400 yr   |
|                           | 178.5 mg/L   |      | 500 yr   |
|                           | 190.7 mg/L   |      | 600 yr   |
|                           | 204.8 mg/L   |      | 800 yr   |
|                           | 211.1 mg/L   |      | 1,000 yr |
|                           | 220.4 mg/L   |      | 2,000 yr |
|                           | 221.6 mg/L   |      | 3,000 yr |
|                           | 221.8 mg/L   |      | 4,000 yr |
|                           | 221.8 mg/L   |      | 5,000 yr |
|                           | 221.8 mg/L   |      | 6,000 yr |
|                           | 221.8 mg/L   |      | 7,000 yr |

Chesapeake State M-1 Chesapeake Energy Corporation Buckeye, Lea County, New Mexico



#### TABLE 6-3. TOTAL POROSITY OF VARIOUS MATERIALS

|                       | No. of   |           | Arithmetic                             |  |
|-----------------------|----------|-----------|--|--|
| Material              | Analyses | Range     | Mean                                   |  |
| Igneous Rocks         |          |           | ······································ |  |
| Weathered granite     | 8        | 0.34-0.57 | 0.45                                   |  |
| Weathered gabbro      | 4        | 0.42-0.45 | 0.43                                   |  |
| Basalt                | 94       | 0.03-0.35 | 0.17                                   |  |
| Sedimentary Materials |          |           |  |  |
| Sandstone             | 65       | 0.14-0.49 | 0.34                                   |  |
| Siltstone             | 7        | 0.21-0.41 | 0.35                                   |  |
| Sand (fine)           | 243      | 0.26-0.53 | 0.43                                   |  |
| Sand (coarse)         | 26       | 0.31-0.46 | 0.39                                   |  |
| Gravel (fine)         | 38       | 0.25-0.38 | 0.34                                   |  |
| Gravel (coarse)       | 15       | 0.24-0.36 | 0.28                                   |  |
| Silt                  | 281      | 0.34-0.61 | 0.46                                   |  |
| Clay                  | 74       | 0.34-0.57 | 0.42                                   |  |
| Limestone             | 74       | 0.07-0.56 | 0.3                                    |  |
| Metamorphic Rocks     |          |           |  |  |
| Schist                | 18       | 0.04-0.49 | 0.38                                   |  |

Sources: From Mercer et al. (1982),

McWhorter and Sunada (1977),

Original reference Morris and Johnson, (1967).

| Texture         | Bulk Density<br>g/cm^3 | Average Wilting<br>Point | Plant Available<br>Water<br>Inches/Ft |
|-----------------|------------------------|--------------------------|---------------------------------------|
| Sandy loam      | 1.6                    | 0.057                    | 1.66                                  |
| Silt Loam       | 1.45                   | 0.119                    | 2                                     |
| Loam            | 1.5                    | 0.097                    | 2.4                                   |
| Sandy clay loam | 1.45                   | 0.137                    | 1.66                                  |
| Clay loam       | 1.45                   | 0.157                    | 1.9                                   |

TABLE 6-8. MEAN BULK DENSITY (g/cm3) FOR FIVE SOIL TEXTURAL CLASSIFICATIONSa,b

| Mean Value | Range Reported                      |   |
|------------|-------------------------------------|---|
| 1.32       | 0.86 - 1.67                         |   |
| 1.3        | 0.94 - 1.54                         |   |
| 1.49       | 1.25 - 1.76                         |   |
| 1.22       | 1.02 - 1.58                         |   |
| 1.42       | 1.16 - 1.58                         |   |
| 1.35       | 0.86 - 1.76                         |   |
|            | 1.32<br>1.3<br>1.49<br>1.22<br>1.42 | 1.32       0.86 - 1.67         1.3       0.94 - 1.54         1.49       1.25 - 1.76         1.22       1.02 - 1.58         1.42       1.16 - 1.58 |

a Baes, C.F., III and R.D. Sharp. 1983. A Proposal for Estimation of Soil Leaching Constants for Use in Assessment Models. J. Environ. Qual. 12(1):17-28 (Original reference).

b From Dean et al. (1989)

| TABLE 6-2. | DESCRIPTIVE STATISTICS FOR SATURATED HYDRAULIC CONDUCTIVIT | Y |
|------------|--|---|
| (cm i      | าr-1)  |   |

|                 | Hydraulic ( | Conductivity | / (Ks)* |      |       |          |
|-----------------|-------------|--------------|---------|------|-------|----------|
| Soil Type       | x           | s            | CV      | n    |       |          |
| Clay**          | 0.2         | 0.42         | 210.3   | 114  | cm/hr | 17.52    |
| Clay Loam       | 0.26        | 0.7          | 267.2   | 345  | cm/hr | 22.776   |
| Loam            | 1.04        | 1.82         | 174.6   | 735  | cm/hr | 91.104   |
| Loamy Sand      | 14.59       | 11.36        | 77.9    | 315  | cm/hr | 1278.084 |
| Silt            | 0.25        | 0.33         | 129.9   | 88   | cm/hr | 21.9     |
| Silt Loam       | 0.45        | 1.23         | 275.1   | 1093 | cm/hr | 39.42    |
| Silty Clay      | 0.02        | 0.11         | 453.3   | 126  | cm/hr | 1.752    |
| Silty Clay Loam | 0.07        | 0.19         | 288.7   | 592  | cm/hr | 6.132    |
| Sand            | 29.7        | 15.6         | 52.4    | 246  | cm/hr | 2601.72  |
| Sandy Clay      | 0.12        | 0.28         | 234.1   | 46   | cm/hr | 10.512   |
| Sandy Clay Loam | 1.31        | 2.74         | 208.6   | 214  | cm/hr | 114.756  |
| Sandy Loam      | 4.42        | 5.63         | 127     | 1183 | cm/hr | 387.192  |

\* n = Sample size, = Mean, s = Standard deviation, CV = Coefficient of variation (percent)

\*\* Agricultural soil, less than 60 percent clay

Sources: From Dean et al. (1989), Original reference Carsel and Parrish (1988).

Saturated water content is the maximum volumetric amount of water in the soil when all pores are filled with water. Very often it is assumed that saturated water content equals the porosity n. However, in many cases qS is smaller than n due to the fact that small amounts of air will be trapped in very small pores. Residual water content can be defined as the asymptote of the pF-curve when h gets very high negative values. Usually qR is very small - on the order of 0.001--0.02 for coarse soils but gets as high values as 0.15..0.25 for heavy clay soils. Air entry point ha is

Soil texture. Fine-textured soils can hold much more organic matter than sandy soils for two reasons. First, clay particles form electrochemical bonds that hold organic compounds. Second, decomposition occurs faster in well-aerated sandy soils. A sandy loam rarely holds more than 2% organic matter.

The recharge rate in this model is the net amount of water that percolates directly into the aquifer system outside of the land disposal facility. The recharge is assumed to have no contamination and hence dilutes the groundwater contaminant plume. The recharge rate into the plume can be calculated in a variety of ways. One possibility is to use a model, such as HELP (Hydrologic Evaluation of Landfill Performance) (Schroeder et al., 1984), without any engineering controls (leachate collection system or a liner) to simulate the water balance for natural conditions.

The infiltration rate is the net amount of leachate that percolates into the aquifer system from a land disposal facility. Because of the use of engineering controls and the presence of non-native porous materials in the landfill facility, the infiltration rate will typically be different than the recharge rate. However, it can be estimated by similar

Most soils contain 2-10 percent organic matter. The Importance of Soil Organic Matter: Key to Drought-Resistant Soil and Sustained Food Production. http://www.fao.org

### **APPENDIX B**

## NMOCD APPROVAL OF STAGE 2 ABATEMENT PLAN

| From:    | Chase Acker   |
|----------|---|
| То:      | Bruce McKenzie  |
| Subject: | FW: Stage 2 Abatement Plan Approval: AP-72 Former State M-1 Tank Battery located in Unit Letter O of Section 18 in Township 17 South, Range 36 East, NMPM in Lea County, NM |
| Date:    | Monday, April 14, 2014 1:56:01 PM   |

From: Griswold, Jim, EMNRD [mailto:Jim.Griswold@state.nm.us]
Sent: Thursday, June 27, 2013 5:14 PM
To: Larry Wooten
Cc: Hall, Sharon; Chase Acker
Subject: Stage 2 Abatement Plan Approval: AP-72 Former State M-1 Tank Battery located in Unit Letter O of Section 18 in Township 17 South, Range 36 East, NMPM in Lea County, NM

Mr. Wooten,

The Oil Conservation Division (OCD) has reviewed the Stage 2 Abatement Plan for the abovereferenced site submitted on your behalf by Arcadis and dated 3/27/12. That plan has substantially met the requirements of 19.15.30 NMAC and is hereby approved. Please proceed with field activities.

Be advised this approval does not relieve Chesapeake of responsibility should the situation continue to pose a threat to groundwater, surface water, human health, or the environment. Furthermore, this approval does not relieve your responsibility for compliance with any federal, state, or local laws and/or regulations. Please retain a copy of this email for your files, as no hardcopy will be sent. If you have any questions, please feel free to contact me at any time.

#### Jim Griswold

Senior Hydrologist EMNRD/Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505 505.476.3465 email: jim.griswold@state.nm.us

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## **APPENDIX C**

## LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

Received by OCD: 6/4/2025 10:09:49 AM



**Environment Testing** 

## **ANALYTICAL REPORT**

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## **PREPARED FOR**

Attn: Chase Acker Chesapeake Energy Corporation PO BOX 548806 Oklahoma City, Oklahoma 73154 Generated 7/3/2024 11:21:23 AM

## **JOB DESCRIPTION**

CHK STATE M Property ID: 891077

## **JOB NUMBER**

180-176226-1

Eurofins Pittsburgh 301 Alpha Drive RIDC Park Pittsburgh PA 15238

See page two for job notes and contact information



## **Eurofins Pittsburgh**

**Job Notes** 

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PA Lab ID: 02-00416

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**Authorization** 

Kunth Hay

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Authorized for release by Ken Hayes, Project Manager II Ken.Hayes@et.eurofinsus.com (615)301-5035

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Laboratory Job ID: 180-176226-1 SDG: Property ID: 891077

2

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### **Case Narrative**

Client: Chesapeake Energy Corporation Project: CHK STATE M

Job ID: 180-176226-1

#### Job ID: 180-176226-1

#### **Eurofins Pittsburgh**

## Job Narrative 180-176226-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The sample was received on 6/27/2024 11:24 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

#### Subcontract Work

Method TO 15: This method was subcontracted to Eurofins Air Toxics, Inc. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

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**Eurofins Pittsburgh**
#### **Definitions/Glossary**

Client: Chesapeake Energy Corporation Project/Site: CHK STATE M

Job ID: 180-176226-1 SDG: Property ID: 891077

| Glossary       |   |  |
|----------------|---|--|
| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |  |
| ¤              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |  |
| %R             | Percent Recovery  |  |
| CFL            | Contains Free Liquid  |  |
| CFU            | Colony Forming Unit   |  |
| CNF            | Contains No Free Liquid   |  |
| DER            | Duplicate Error Ratio (normalized absolute difference)  |  |
| Dil Fac        | Dilution Factor   |  |
| DL             | Detection Limit (DoD/DOE)   |  |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |  |
| DLC            | Decision Level Concentration (Radiochemistry)   |  |
| EDL            | Estimated Detection Limit (Dioxin)  |  |
| LOD            | Limit of Detection (DoD/DOE)  |  |
| LOQ            | Limit of Quantitation (DoD/DOE)   |  |
| MCL            | EPA recommended "Maximum Contaminant Level"   |  |
| MDA            | Minimum Detectable Activity (Radiochemistry)  |  |
| MDC            | Minimum Detectable Concentration (Radiochemistry)   |  |
| MDL            | Method Detection Limit  |  |
| ML             | Minimum Level (Dioxin)  |  |
| MPN            | Most Probable Number  |  |
| MQL            | Method Quantitation Limit   |  |
| NC             | Not Calculated  |  |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)  |  |
| NEG            | Negative / Absent   |  |
| POS            | Positive / Present  |  |
| PQL            | Practical Quantitation Limit  |  |
| PRES           | Presumptive   |  |
| QC             | Quality Control   |  |
| RER            | Relative Error Ratio (Radiochemistry)   |  |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)   |  |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |  |

- RPD Relative Percent Difference, a measure of the relative difference between two points
- TEF Toxicity Equivalent Factor (Dioxin)
- TEQ Toxicity Equivalent Quotient (Dioxin)
- TNTC Too Numerous To Count

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#### **Sample Summary**

Client: Chesapeake Energy Corporation Project/Site: CHK STATE M

Job ID: 180-176226-1 SDG: Property ID: 891077

| .ab Sample ID | Client Sample ID | Matrix | Collected      | Received       |  |
|---------------|------------------|--------|----------------|----------------|--|
| 180-176226-1  | 20240618M-1      | Air    | 06/18/24 10:17 | 06/27/24 11:24 |  |
|               |                  |        |                |                |  |
|               |                  |        |                |                |  |
|               |                  |        |                |                |  |
|               |                  |        |                |                |  |
|               |                  |        |                |                |  |

# Client: Chesapeake Energy Corporation Project/Site: CHK STATE M

Job ID: 180-176226-1 SDG: Property ID: 891077

| Method | Method Description | Protocol | Laboratory |
|--------|--------------------|----------|------------|
| TO-15  | TO-15              | EPA      | Eurofins   |

#### **Protocol References:**

EPA = US Environmental Protection Agency

#### Laboratory References:

Eurofins = Eurofins Air Toxics, 180 Blue Ravine Road, Suite B, Folsom, CA 95630

Eurofins Pittsburgh

Received by OCD: 6/4/2025 10:09:49 AM

6 7 8



#### **Air Toxics**

7/3/2024 Mr. Ken Hayes Eurofins Environment Testing 301 Alpha Dr.

Pittsburgh PA 15238

Project Name: State-M Project #: Workorder #: 2406615

Dear Mr. Ken Hayes

The following report includes the data for the above referenced project for sample(s) received on 6/20/2024 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Brian Whittaker at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Brian Whettake

Brian Whittaker Project Manager

Eurofins Air Toxics, LLC

180 Blue Ravine Road, Suite B Folsom, CA 95630 T 916-985-1000 F 916-351-8279 www.airtoxics.com

# 1 2 3 4 5 6 7 8

**Air Toxics** 

#### WORK ORDER #: 2406615

#### Work Order Summary

| CLIENT:         | Mr. Ken Hayes<br>Eurofins Environment Testing<br>301 Alpha Dr.<br>Pittsburgh, PA 15238 | BILL TO:      | Mr. Ken Hayes<br>Eurofins Environment Testing<br>301 Alpha Dr.<br>Pittsburgh, PA 15238 |
|-----------------|--|---------------|--|
| PHONE:          |  | <b>P.O.</b> # | 180-176226-1   |
| FAX:            |  | PROJECT #     | State-M  |
| DATE RECEIVED:  | 06/20/2024   | CONTACT:      | Brian Whittaker  |
| DATE COMPLETED: | 07/03/2024   |               |  |

|            |             |       | RECEIPT    | FINAL    |
|------------|-------------|-------|------------|----------|
| FRACTION # | NAME        | TEST  | VAC./PRES. | PRESSURE |
| 01A        | 20240618M-1 | TO-15 | 17.3 "Hg   | 1.9 psi  |
| 02A        | Lab Blank   | TO-15 | NA         | NA       |
| 03A        | CCV         | TO-15 | NA         | NA       |
| 04A        | LCS         | TO-15 | NA         | NA       |
| 04AA       | LCSD        | TO-15 | NA         | NA       |
|            |             |       |            |          |

CERTIFIED BY:

lay Lera

DATE: <u>07/03/24</u>

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP – 209222, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP – T104704434-22-18, UT NELAP – CA009332022-14, VA NELAP - 12240, WA ELAP - C935 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-017 Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

> This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC. 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630 (016) 085 1000

(916) 985-1000

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Air Toxics

#### LABORATORY NARRATIVE EPA Method TO-15 Eurofins Environment Testing Workorder# 2406615

One 6 Liter Summa Canister sample was received on June 20, 2024. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

#### **Receiving Notes**

The Chain of Custody was missing method information. The laboratory proceeded with the analysis as per the original contract or verbal agreement.

The Chain of Custody (COC) was not relinquished properly. A signature, date and time were not provided by the field sampler.

Sample 20240618M-1 was received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

#### **Analytical Notes**

A single point calibration for TVOC (Total Volatile Organic Compounds) referenced to Hexane was performed for each daily analytical batch. Recovery is reported as 100% in the associated results for each CCV.

TVOC (Total Volatile Organic Compounds) referenced to Hexane includes area counts for peaks that elute from Hexane minus 0.08 minutes to Naphthalene plus 0.08 minutes and quantitating the area based on the response factor of Hexane.

All Quality Control Limit exceedances and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page.

The presence of a closely eluting non-target peak in sample 20240618M-1 is interfering with the quantitation mass ion for 4-Ethyltoluene. The reported 4-Ethyltoluene concentration is flagged with a "CN" flag to indicate a high bias due to matrix contribution.

#### **Definition of Data Qualifying Flags**

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

- J Estimated value.
- E Exceeds instrument calibration range.
- S Saturated peak.
- Q Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

- N The identification is based on presumptive evidence.
- M Reported value may be biased due to apparent matrix interferences.



Air Toxics

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



#### **Air Toxics**

#### Summary of Detected Compounds EPA METHOD TO-15 GC/MS FULL SCAN

#### Client Sample ID: 20240618M-1

Lab ID#: 2406615-01A

| Compound               | Rpt. Limit<br>(ppmv) | Amount<br>(ppmv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|------------------------|----------------------|------------------|-----------------------|-------------------|
| 4-Ethyltoluene         | 0.0013               | 0.0020 CN        | 6.6                   | 10 CN             |
| 1,3,5-Trimethylbenzene | 0.0013               | 0.0020           | 6.6                   | 9.7               |
| TVOC Ref. to Hexane    | 0.027                | 3.2              | 94                    | 11000             |

**eurofins** Air Toxics

#### Client Sample ID: 20240618M-1 Lab ID#: 2406615-01A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor:       | 91070113<br>2.67     | Date of Collection: 6/18/24 10:17:00 AM<br>Date of Analysis: 7/1/24 04:33 PM |                       |                   |
|----------------------------------|----------------------|--|-----------------------|-------------------|
| Compound                         | Rpt. Limit<br>(ppmv) | Amount<br>(ppmv)   | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
| Acetone                          | 0.013                | Not Detected   | 32                    | Not Detected      |
| Benzene                          | 0.0013               | Not Detected   | 4.3                   | Not Detected      |
| alpha-Chlorotoluene              | 0.0013               | Not Detected   | 6.9                   | Not Detected      |
| Bromodichloromethane             | 0.0013               | Not Detected   | 8.9                   | Not Detected      |
| Bromoform                        | 0.0013               | Not Detected   | 14                    | Not Detected      |
| Bromomethane                     | 0.013                | Not Detected   | 52                    | Not Detected      |
| 2-Butanone (Methyl Ethyl Ketone) | 0.0053               | Not Detected   | 16                    | Not Detected      |
| Carbon Disulfide                 | 0.0053               | Not Detected   | 17                    | Not Detected      |
| Carbon Tetrachloride             | 0.0013               | Not Detected   | 8.4                   | Not Detected      |
| Chlorobenzene                    | 0.0013               | Not Detected   | 6.1                   | Not Detected      |
| Dibromochloromethane             | 0.0013               | Not Detected   | 11                    | Not Detected      |
| Chloroethane                     | 0.0053               | Not Detected   | 14                    | Not Detected      |
| Chloroform                       | 0.0013               | Not Detected   | 6.5                   | Not Detected      |
| Chloromethane                    | 0.013                | Not Detected   | 28                    | Not Detected      |
| 1,2-Dibromoethane (EDB)          | 0.0013               | Not Detected   | 10                    | Not Detected      |
| 1,2-Dichlorobenzene              | 0.0013               | Not Detected   | 8.0                   | Not Detected      |
| 1,3-Dichlorobenzene              | 0.0013               | Not Detected   | 8.0                   | Not Detected      |
| 1,4-Dichlorobenzene              | 0.0013               | Not Detected   | 8.0                   | Not Detected      |
| 1,1-Dichloroethane               | 0.0013               | Not Detected   | 5.4                   | Not Detected      |
| Freon 12                         | 0.0013               | Not Detected   | 6.6                   | Not Detected      |
| 1,2-Dichloroethane               | 0.0013               | Not Detected   | 5.4                   | Not Detected      |
| 1,1-Dichloroethene               | 0.0013               | Not Detected   | 5.3                   | Not Detected      |
| cis-1,2-Dichloroethene           | 0.0013               | Not Detected   | 5.3                   | Not Detected      |
| trans-1,2-Dichloroethene         | 0.0013               | Not Detected   | 5.3                   | Not Detected      |
|                                  | 0.0013               | Not Detected   | 6.2                   | Not Detected      |
| 1,2-Dichloropropane              |                      |  |                       |                   |
| cis-1,3-Dichloropropene          | 0.0013               | Not Detected   | 6.0                   | Not Detected      |
| trans-1,3-Dichloropropene        | 0.0013               | Not Detected   | 6.0                   | Not Detected      |
| Freon 114                        | 0.0013               | Not Detected   | 9.3                   | Not Detected      |
| Ethyl Benzene                    | 0.0013               | Not Detected   | 5.8                   | Not Detected      |
| 4-Ethyltoluene                   | 0.0013               | 0.0020 CN  | 6.6                   | 10 CN             |
| Hexachlorobutadiene              | 0.0053               | Not Detected   | 57                    | Not Detected      |
| 2-Hexanone                       | 0.0053               | Not Detected   | 22                    | Not Detected      |
| Methylene Chloride               | 0.013                | Not Detected   | 46                    | Not Detected      |
| 4-Methyl-2-pentanone             | 0.0013               | Not Detected   | 5.5                   | Not Detected      |
| Styrene                          | 0.0013               | Not Detected   | 5.7                   | Not Detected      |
| 1,1,2,2-Tetrachloroethane        | 0.0013               | Not Detected   | 9.2                   | Not Detected      |
| Tetrachloroethene                | 0.0013               | Not Detected   | 9.0                   | Not Detected      |
| Toluene                          | 0.0027               | Not Detected   | 10                    | Not Detected      |
| 1,2,4-Trichlorobenzene           | 0.0053               | Not Detected   | 40                    | Not Detected      |
| 1,1,1-Trichloroethane            | 0.0013               | Not Detected   | 7.3                   | Not Detected      |
| 1,1,2-Trichloroethane            | 0.0013               | Not Detected   | 7.3                   | Not Detected      |
| Trichloroethene                  | 0.0013               | Not Detected   | 7.2                   | Not Detected      |

#### **Air Toxics**

#### Client Sample ID: 20240618M-1 Lab ID#: 2406615-01A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor: | 91070113<br>2.67     | Date of Collection: 6/18/24 10:17:0<br>Date of Analysis: 7/1/24 04:33 PM |                       |                   |
|----------------------------|----------------------|--|-----------------------|-------------------|
| Compound                   | Rpt. Limit<br>(ppmv) | Amount<br>(ppmv)   | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
| Freon 11                   | 0.0013               | Not Detected   | 7.5                   | Not Detected      |
| Freon 113                  | 0.0013               | Not Detected   | 10                    | Not Detected      |
| 1,2,4-Trimethylbenzene     | 0.0013               | Not Detected   | 6.6                   | Not Detected      |
| 1,3,5-Trimethylbenzene     | 0.0013               | 0.0020   | 6.6                   | 9.7               |
| Vinyl Acetate              | 0.0053               | Not Detected   | 19                    | Not Detected      |
| Vinyl Chloride             | 0.0013               | Not Detected   | 3.4                   | Not Detected      |
| m,p-Xylene                 | 0.0027               | Not Detected   | 12                    | Not Detected      |
| o-Xylene                   | 0.0013               | Not Detected   | 5.8                   | Not Detected      |
| TVOC Ref. to Hexane        | 0.027                | 3.2  | 94                    | 11000             |

#### CN =See Case Narrative explanation

Container Type: 6 Liter Summa Canister

|                       |           | Method |  |
|-----------------------|-----------|--------|--|
| Surrogates            | %Recovery | Limits |  |
| Toluene-d8            | 96        | 70-130 |  |
| 1,2-Dichloroethane-d4 | 101       | 70-130 |  |
| 4-Bromofluorobenzene  | 101       | 70-130 |  |

Air Toxics

#### Client Sample ID: Lab Blank Lab ID#: 2406615-02A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor:       | 91070106c<br>1.00    |                  | of Collection: NA<br>of Analysis: 7/1/2 | 4 11:04 AM        |
|----------------------------------|----------------------|------------------|---|-------------------|
| Compound                         | Rpt. Limit<br>(ppmv) | Amount<br>(ppmv) | Rpt. Limit<br>(ug/m3)                   | Amount<br>(ug/m3) |
| Acetone                          | 0.0050               | Not Detected     | 12                                      | Not Detected      |
| Benzene                          | 0.00050              | Not Detected     | 1.6                                     | Not Detected      |
| alpha-Chlorotoluene              | 0.00050              | Not Detected     | 2.6                                     | Not Detected      |
| Bromodichloromethane             | 0.00050              | Not Detected     | 3.4                                     | Not Detected      |
| Bromoform                        | 0.00050              | Not Detected     | 5.2                                     | Not Detected      |
| Bromomethane                     | 0.0050               | Not Detected     | 19                                      | Not Detected      |
| 2-Butanone (Methyl Ethyl Ketone) | 0.0020               | Not Detected     | 5.9                                     | Not Detected      |
| Carbon Disulfide                 | 0.0020               | Not Detected     | 6.2                                     | Not Detected      |
| Carbon Tetrachloride             | 0.00050              | Not Detected     | 3.1                                     | Not Detected      |
| Chlorobenzene                    | 0.00050              | Not Detected     | 2.3                                     | Not Detected      |
| Dibromochloromethane             | 0.00050              | Not Detected     | 4.2                                     | Not Detected      |
| Chloroethane                     | 0.0020               | Not Detected     | 5.3                                     | Not Detected      |
| Chloroform                       | 0.00050              | Not Detected     | 2.4                                     | Not Detected      |
| Chloromethane                    | 0.0050               | Not Detected     | 10                                      | Not Detected      |
| 1,2-Dibromoethane (EDB)          | 0.00050              | Not Detected     | 3.8                                     | Not Detected      |
| 1,2-Dichlorobenzene              | 0.00050              | Not Detected     | 3.0                                     | Not Detected      |
| 1,3-Dichlorobenzene              | 0.00050              | Not Detected     | 3.0                                     | Not Detected      |
| 1,4-Dichlorobenzene              | 0.00050              | Not Detected     | 3.0                                     | Not Detected      |
| 1,1-Dichloroethane               | 0.00050              | Not Detected     | 2.0                                     | Not Detected      |
| Freon 12                         | 0.00050              | Not Detected     | 2.5                                     | Not Detected      |
| 1,2-Dichloroethane               | 0.00050              | Not Detected     | 2.0                                     | Not Detected      |
| 1,1-Dichloroethene               | 0.00050              | Not Detected     | 2.0                                     | Not Detected      |
| cis-1,2-Dichloroethene           | 0.00050              | Not Detected     | 2.0                                     | Not Detected      |
| trans-1,2-Dichloroethene         | 0.00050              | Not Detected     | 2.0                                     | Not Detected      |
| 1,2-Dichloropropane              | 0.00050              | Not Detected     | 2.3                                     | Not Detected      |
| cis-1,3-Dichloropropene          | 0.00050              | Not Detected     | 2.3                                     | Not Detected      |
| trans-1,3-Dichloropropene        | 0.00050              | Not Detected     | 2.3                                     | Not Detected      |
| Freon 114                        | 0.00050              | Not Detected     | 3.5                                     | Not Detected      |
| Ethyl Benzene                    | 0.00050              | Not Detected     | 2.2                                     | Not Detected      |
| 4-Ethyltoluene                   | 0.00050              | Not Detected     | 2.4                                     | Not Detected      |
| Hexachlorobutadiene              | 0.0020               | Not Detected     | 21                                      | Not Detected      |
| 2-Hexanone                       | 0.0020               | Not Detected     | 8.2                                     | Not Detected      |
| Methylene Chloride               | 0.0050               | Not Detected     | 17                                      | Not Detected      |
| 4-Methyl-2-pentanone             | 0.00050              | Not Detected     | 2.0                                     | Not Detected      |
| Styrene                          | 0.00050              | Not Detected     | 2.1                                     | Not Detected      |
| 1,1,2,2-Tetrachloroethane        | 0.00050              | Not Detected     | 3.4                                     | Not Detected      |
| Tetrachloroethene                | 0.00050              | Not Detected     | 3.4                                     | Not Detected      |
| Toluene                          | 0.0010               | Not Detected     | 3.8                                     | Not Detected      |
| 1,2,4-Trichlorobenzene           | 0.0020               | Not Detected     | 15                                      | Not Detected      |
| 1,1,1-Trichloroethane            | 0.00050              | Not Detected     | 2.7                                     | Not Detected      |
| 1,1,2-Trichloroethane            | 0.00050              | Not Detected     | 2.7                                     | Not Detected      |
| Trichloroethene                  | 0.00050              | Not Detected     | 2.7                                     | Not Detected      |

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**Air Toxics** 

#### Client Sample ID: Lab Blank Lab ID#: 2406615-02A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor: | 91070106c<br>1.00    | Date of Collection: NA<br>Date of Analysis: 7/1/24 11:04 AM |                       | 4 11:04 AM        |
|----------------------------|----------------------|---|-----------------------|-------------------|
| Compound                   | Rpt. Limit<br>(ppmv) | Amount<br>(ppmv)  | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
| Freon 11                   | 0.00050              | Not Detected  | 2.8                   | Not Detected      |
| Freon 113                  | 0.00050              | Not Detected  | 3.8                   | Not Detected      |
| 1,2,4-Trimethylbenzene     | 0.00050              | Not Detected  | 2.4                   | Not Detected      |
| 1,3,5-Trimethylbenzene     | 0.00050              | Not Detected  | 2.4                   | Not Detected      |
| Vinyl Acetate              | 0.0020               | Not Detected  | 7.0                   | Not Detected      |
| Vinyl Chloride             | 0.00050              | Not Detected  | 1.3                   | Not Detected      |
| m,p-Xylene                 | 0.0010               | Not Detected  | 4.3                   | Not Detected      |
| o-Xylene                   | 0.00050              | Not Detected  | 2.2                   | Not Detected      |
| TVOC Ref. to Hexane        | 0.010                | Not Detected  | 35                    | Not Detected      |

#### **Container Type: NA - Not Applicable**

|                       |           | Method |
|-----------------------|-----------|--------|
| Surrogates            | %Recovery | Limits |
| Toluene-d8            | 100       | 70-130 |
| 1,2-Dichloroethane-d4 | 102       | 70-130 |
| 4-Bromofluorobenzene  | 95        | 70-130 |



**Air Toxics** 

#### Client Sample ID: CCV Lab ID#: 2406615-03A EPA METHOD TO-15 GC/MS FULL SCAN

|  |          | GC/MS FULL SCAN                |    |
|--|----------|--------------------------------|----|
| File Name:                               | 91070103 | Date of Collection: NA         |    |
| Dil. Factor:                             | 1.00     | Date of Analysis: 7/1/24 09:51 | AM |
| Compound                                 |          | %Recovery                      |    |
| Acetone                                  |          | 92                             |    |
| Benzene                                  |          | 96                             |    |
| alpha-Chlorotoluene                      |          | 100                            |    |
| Bromodichloromethane                     |          | 96                             |    |
| Bromoform                                |          | 100                            |    |
| Bromomethane                             |          | 96                             |    |
| 2-Butanone (Methyl Ethyl Ketone)         |          | 92                             |    |
| Carbon Disulfide                         |          | 92                             |    |
| Carbon Tetrachloride                     |          | 94                             |    |
| Chlorobenzene                            |          | 98                             |    |
| Dibromochloromethane                     |          | 99                             |    |
| Chloroethane                             |          | 96                             |    |
| Chloroform                               |          | 90                             |    |
| Chloromethane                            |          | 108                            |    |
| 1,2-Dibromoethane (EDB)                  |          | 98                             |    |
| 1,2-Dichlorobenzene                      |          | 100                            |    |
| 1,3-Dichlorobenzene                      |          | 101                            |    |
| 1,4-Dichlorobenzene                      |          | 100                            |    |
| 1,1-Dichloroethane                       |          | 92                             |    |
| Freon 12                                 |          | 101                            |    |
| 1,2-Dichloroethane                       |          | 89                             |    |
| 1,1-Dichloroethene                       |          | 93                             |    |
| cis-1,2-Dichloroethene                   |          | 92                             |    |
| trans-1,2-Dichloroethene                 |          | 93                             |    |
| 1,2-Dichloropropane                      |          | 92                             |    |
| cis-1,3-Dichloropropene                  |          | 93                             |    |
| trans-1,3-Dichloropropene                |          | 97                             |    |
| Freon 114                                |          | 101                            |    |
| Ethyl Benzene                            |          | 106                            |    |
| 4-Ethyltoluene                           |          | 110                            |    |
| Hexachlorobutadiene                      |          | 101                            |    |
| 2-Hexanone                               |          | 100                            |    |
| Methylene Chloride                       |          | 90                             |    |
| 4-Methyl-2-pentanone                     |          | 97                             |    |
| Styrene                                  |          | 111                            |    |
| 1,1,2,2-Tetrachloroethane                |          | 98                             |    |
| Tetrachloroethene                        |          | 102                            |    |
| Toluene                                  |          | 97                             |    |
| 1,2,4-Trichlorobenzene                   |          | 112                            |    |
| 1,1,1-Trichloroethane                    |          | 93                             |    |
|  |          | 98                             |    |
| 1,1,2-Trichloroethane<br>Trichloroethene |          | 98                             |    |
| memoroethene                             |          | 32                             |    |



#### **Air Toxics**

#### Client Sample ID: CCV Lab ID#: 2406615-03A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor: | 91070103<br>1.00 | Date of Collection: NA<br>Date of Analysis:  7/1/24 09:51 AM |
|----------------------------|------------------|--|
| Compound                   |                  |  |
| Compound                   |                  | %Recovery  |
| Freon 11                   |                  | 98   |
| Freon 113                  |                  | 102  |
| 1,2,4-Trimethylbenzene     |                  | 109  |
| 1,3,5-Trimethylbenzene     |                  | 106  |
| Vinyl Acetate              |                  | 94   |
| Vinyl Chloride             |                  | 104  |
| m,p-Xylene                 |                  | 110  |
| o-Xylene                   |                  | 105  |
| TVOC Ref. to Hexane        |                  | 100  |

#### **Container Type: NA - Not Applicable**

|                       |           | Method |
|-----------------------|-----------|--------|
| Surrogates            | %Recovery | Limits |
| Toluene-d8            | 98        | 70-130 |
| 1,2-Dichloroethane-d4 | 92        | 70-130 |
| 4-Bromofluorobenzene  | 103       | 70-130 |

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**Air Toxics** 

#### Client Sample ID: LCS Lab ID#: 2406615-04A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor:       | 91070104<br>1.00 | Date of Collec<br>Date of Analys | tion: NA<br>sis:   7/1/24 10:14 AM |
|----------------------------------|------------------|----------------------------------|------------------------------------|
|                                  |                  | Date et Andrye                   | Method                             |
| Compound                         |                  | %Recovery                        | Limits                             |
| Acetone                          |                  | 95                               | 70-130                             |
| Benzene                          |                  | 96                               | 70-130                             |
| alpha-Chlorotoluene              |                  | 101                              | 70-130                             |
| Bromodichloromethane             |                  | 93                               | 70-130                             |
| Bromoform                        |                  | 96                               | 70-130                             |
| Bromomethane                     |                  | 97                               | 70-130                             |
| 2-Butanone (Methyl Ethyl Ketone) |                  | 94                               | 70-130                             |
| Carbon Disulfide                 |                  | 96                               | 70-130                             |
| Carbon Tetrachloride             |                  | 94                               | 70-130                             |
| Chlorobenzene                    |                  | 99                               | 70-130                             |
| Dibromochloromethane             |                  | 96                               | 70-130                             |
| Chloroethane                     |                  | 95                               | 70-130                             |
| Chloroform                       |                  | 90                               | 70-130                             |
| Chloromethane                    |                  | 105                              | 70-130                             |
| 1,2-Dibromoethane (EDB)          |                  | 99                               | 70-130                             |
| 1,2-Dichlorobenzene              |                  | 101                              | 70-130                             |
| 1,3-Dichlorobenzene              |                  | 101                              | 70-130                             |
| 1,4-Dichlorobenzene              |                  | 103                              | 70-130                             |
| 1,1-Dichloroethane               |                  | 92                               | 70-130                             |
| Freon 12                         |                  | 96                               | 70-130                             |
| 1,2-Dichloroethane               |                  | 91                               | 70-130                             |
| 1,1-Dichloroethene               |                  | 91                               | 70-130                             |
| cis-1,2-Dichloroethene           |                  | 92                               | 70-130                             |
| trans-1,2-Dichloroethene         |                  | 92                               | 70-130                             |
| 1,2-Dichloropropane              |                  | 93                               | 70-130                             |
| cis-1,3-Dichloropropene          |                  | 96                               | 70-130                             |
| trans-1,3-Dichloropropene        |                  | 98                               | 70-130                             |
| Freon 114                        |                  | 97                               | 70-130                             |
| Ethyl Benzene                    |                  | 107                              | 70-130                             |
| 4-Ethyltoluene                   |                  | 108                              | 70-130                             |
| Hexachlorobutadiene              |                  | 105                              | 70-130                             |
| 2-Hexanone                       |                  | 106                              | 70-130                             |
| Methylene Chloride               |                  | 90                               | 70-130                             |
| 4-Methyl-2-pentanone             |                  | 101                              | 70-130                             |
| Styrene                          |                  | 110                              | 70-130                             |
| 1,1,2,2-Tetrachloroethane        |                  | 100                              | 70-130                             |
| Tetrachloroethene                |                  | 102                              | 70-130                             |
| Toluene                          |                  | 96                               | 70-130                             |
| 1,2,4-Trichlorobenzene           |                  | 120                              | 70-130                             |
| 1,1,1-Trichloroethane            |                  | 94                               | 70-130                             |
| 1,1,2-Trichloroethane            |                  | 98                               | 70-130                             |
| Trichloroethene                  |                  | 93                               | 70-130                             |



**Air Toxics** 

#### Client Sample ID: LCS Lab ID#: 2406615-04A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor: | 91070104<br>1.00 | Date of Collection: NA<br>Date of Analysis: 7/1/24 10:14 AM |                  |
|----------------------------|------------------|---|------------------|
| Compound                   | 1.00             | %Recovery   | Method<br>Limits |
| Freon 11                   |                  | 96  | 70-130           |
| Freon 113                  |                  | 96  | 70-130           |
| 1,2,4-Trimethylbenzene     |                  | 110   | 70-130           |
| 1,3,5-Trimethylbenzene     |                  | 106   | 70-130           |
| Vinyl Acetate              |                  | 151 Q   | 70-130           |
| Vinyl Chloride             |                  | 101   | 70-130           |
| m,p-Xylene                 |                  | 108   | 70-130           |
| o-Xylene                   |                  | 105   | 70-130           |
| TVOC Ref. to Hexane        |                  | Not Spiked  |                  |

Q = Exceeds Quality Control limits.

#### **Container Type: NA - Not Applicable**

| 21 11                 |           | Method |
|-----------------------|-----------|--------|
| Surrogates            | %Recovery | Limits |
| Toluene-d8            | 98        | 70-130 |
| 1,2-Dichloroethane-d4 | 93        | 70-130 |
| 4-Bromofluorobenzene  | 104       | 70-130 |

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**Air Toxics** 

#### Client Sample ID: LCSD Lab ID#: 2406615-04AA EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:                       |           | te of Collection: NA            |
|----------------------------------|-----------|---------------------------------|
| Dil. Factor:                     | 1.00 Dat  | te of Analysis: 7/1/24 10:38 AM |
| Compound                         | %Recovery | Method<br>Limits                |
| Acetone                          | 94        | 70-130                          |
| Benzene                          | 96        | 70-130                          |
| alpha-Chlorotoluene              | 104       | 70-130                          |
| Bromodichloromethane             | 94        | 70-130                          |
| Bromoform                        | 99        | 70-130                          |
| Bromomethane                     | 96        | 70-130                          |
| 2-Butanone (Methyl Ethyl Ketone) | 95        | 70-130                          |
| Carbon Disulfide                 | 94        | 70-130                          |
| Carbon Tetrachloride             | 92        | 70-130                          |
| Chlorobenzene                    | 100       | 70-130                          |
| Dibromochloromethane             | 98        | 70-130                          |
| Chloroethane                     | 98        | 70-130                          |
| Chloroform                       | 89        | 70-130                          |
| Chloromethane                    | 104       | 70-130                          |
| 1,2-Dibromoethane (EDB)          | 101       | 70-130                          |
| 1,2-Dichlorobenzene              | 102       | 70-130                          |
| 1,3-Dichlorobenzene              | 104       | 70-130                          |
| 1,4-Dichlorobenzene              | 105       | 70-130                          |
| 1,1-Dichloroethane               | 92        | 70-130                          |
| Freon 12                         | 96        | 70-130                          |
| 1,2-Dichloroethane               | 91        | 70-130                          |
| 1,1-Dichloroethene               | 90        | 70-130                          |
| cis-1,2-Dichloroethene           | 93        | 70-130                          |
| trans-1,2-Dichloroethene         | 92        | 70-130                          |
| 1,2-Dichloropropane              | 92        | 70-130                          |
| cis-1,3-Dichloropropene          | 95        | 70-130                          |
| trans-1,3-Dichloropropene        | 99        | 70-130                          |
| Freon 114                        | 96        | 70-130                          |
| Ethyl Benzene                    | 112       | 70-130                          |
| 4-Ethyltoluene                   | 112       | 70-130                          |
| Hexachlorobutadiene              | 107       | 70-130                          |
| 2-Hexanone                       | 109       | 70-130                          |
| Methylene Chloride               | 89        | 70-130                          |
| 4-Methyl-2-pentanone             | 102       | 70-130                          |
| Styrene                          | 113       | 70-130                          |
| 1,1,2,2-Tetrachloroethane        | 100       | 70-130                          |
| Tetrachloroethene                | 103       | 70-130                          |
| Toluene                          | 96        | 70-130                          |
| 1,2,4-Trichlorobenzene           | 123       | 70-130                          |
| 1,1,1-Trichloroethane            | 93        | 70-130                          |
| 1,1,2-Trichloroethane            | 99        | 70-130                          |
| Trichloroethene                  | 92        | 70-130                          |



#### **Air Toxics**

#### Client Sample ID: LCSD Lab ID#: 2406615-04AA EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor: | 91070105 Date of Collection: NA<br>1.00 Date of Analysis: 7/1/24 10:38 A |            |                  |
|----------------------------|--|------------|------------------|
| Compound                   |  | %Recovery  | Method<br>Limits |
| Freon 11                   |  | 94         | 70-130           |
| Freon 113                  |  | 96         | 70-130           |
| 1,2,4-Trimethylbenzene     |  | 113        | 70-130           |
| 1,3,5-Trimethylbenzene     |  | 107        | 70-130           |
| Vinyl Acetate              |  | 150 Q      | 70-130           |
| Vinyl Chloride             |  | 100        | 70-130           |
| m,p-Xylene                 |  | 110        | 70-130           |
| o-Xylene                   |  | 108        | 70-130           |
| TVOC Ref. to Hexane        |  | Not Spiked |                  |

Q = Exceeds Quality Control limits.

#### Container Type: NA - Not Applicable

|                       |           | Method |
|-----------------------|-----------|--------|
| Surrogates            | %Recovery | Limits |
| Toluene-d8            | 99        | 70-130 |
| 1,2-Dichloroethane-d4 | 92        | 70-130 |
| 4-Bromofluorobenzene  | 105       | 70-130 |

# 1 2 3 4 5 6 7 8 9

# Seurofins | Air Toxics

#### Method : TO-15 (Sp)-Eurofins TA (CEC, OK)

| 67-64-1       Actione       5.0         71-43-2       Benzene       0.50         75-27-4       Bromodichloromethane       0.50         75-25-2       Bromodichloromethane       0.50         75-25-3       Bromomethane       0.50         74-83-9       Bromomethane       0.50         74-83-9       Bromomethane       0.50         75-15-0       Carbon Disulfide       2.0         56-23-5       Carbon Disulfide       0.50         124-48-1       Dibromochloromethane       0.50         124-48-1       Dibromochloromethane       0.50         76-00-3       Chlorobenzene       0.50         78-73       Chlorobenzene       0.50         78-73       Chlorobenzene       0.50         95-50-1       1.2-Dichlorobenzene       0.50         95-50-1       1.2-Dichlorobenzene       0.50         75-34-3       1.1-Dichlorobenzene       0.50         75-34-3       1.1-Dichlorobenzene       0.50         75-71-8       Freon 12       0.50         75-71-8       Freon 12       0.50         75-75       1.2-Dichloroperpane       0.50         106-60-5       trans-1,2-Dichloroperpane       0.50 </th <th>CAS Number</th> <th>Compound</th> <th>Rpt. Limit (ppbv)</th>   | CAS Number | Compound                         | Rpt. Limit (ppbv) |
|---|------------|----------------------------------|-------------------|
| 100-44-7         alpha-Chlorotoluene         0.50           75-27-4         Bromodichloromethane         0.50           74-83-9         Bromomethane         0.50           74-83-9         Bromomethane         5.0           74-83-9         Bromomethane         5.0           74-83-9         Bromomethane         5.0           78-15-0         Carbon Disulfide         2.0           56-23-5         Carbon Totrachloride         0.50           108-90-7         Chloroberzene         0.50           124-48-1         Dibromochloromethane         0.50           78-00-3         Chloroberzene         0.50           74-87-3         Chloroform         0.50           74-87-3         Chlorobenzene         0.50           95-50-1         1.2-Dichlorobenzene         0.50           95-50-1         1.2-Dichlorobenzene         0.50           75-34-3         1.1-Dichlorobenzene         0.50           75-34-3         1.1-Dichlorobenzene         0.50           75-34-3         1.1-Dichlorobenzene         0.50           75-34-3         1.1-Dichlorobenzene         0.50           107-06-2         1.2-Dichlorobenzene         0.50           107-06-2   | 67-64-1    | Acetone                          | 5.0               |
| 75-27-4       Bromodichloromethane       0.50         75-25-2       Bromonethane       5.0         74-83-9       Bromomethane       5.0         78-93-3       2-Butanone (Methyl Ethyl Ketone)       2.0         75-10       Carbon Disulfide       2.0         56-23-5       Carbon Tetrachloride       0.50         108-90-7       Chlorobenzene       0.50         75-00-3       Chlorobenzene       0.50         75-00-3       Chloromethane       2.0         67-66-3       Chloromethane       5.0         106-93-4       1,2-Dichlorobenzene       0.50         95-50-1       1,2-Dichlorobenzene       0.50         95-50-1       1,2-Dichlorobenzene       0.50         75-43       1,1-Dichlorobenzene       0.50         75-34-3       1,1-Dichlorobenzene       0.50         75-35-4       1,2-Dichlorobenzene       0.50         75-35-4       1,1-Dichlorobenzene       0.50         75-35-4       1,2-Dichlorobenzene       0.50         76-371-8       Freen 12       0.50         76-35-5       1,2-Dichlorobenzene       0.50         76-36-5       trans-1,2-Dichloroptene       0.50         78-87-5  | 71-43-2    | Benzene                          | 0.50              |
| 75-25-2       Bromoform       0.50         74-83-9       Bromomethane       5.0         78-93-3       2-Butanone (Methyl Ethyl Ketone)       2.0         75-15-0       Carbon Disulfide       2.0         56-23-5       Carbon Tetrachloride       0.50         108-90-7       Chlorobenzene       0.50         124-48-1       Dibromochloromethane       0.50         78-73       Chlorobenzene       0.50         74-87-3       Chloromethane (EDB)       0.50         75-71-1       1,2-Dichlorobenzene       0.50         75-71-2       1,2-Dichlorobenzene       0.50         75-71-3       1,2-Dichlorobenzene       0.50         75-71-4       Freon 12       0.50         75-71-8       Freon 12       0.50         107-06-2       1,2-Dichloroethane       0.50         107-06-2       1,2-Dichloroethane       0.50         156-50-2       cis-1,2-Dichloroethane       0.50         1066-05       trans-1,2-Dichloroptopane       0.50         1066-05       trans-1,2-Dichloroptopane       0.50         10061-01-5       cis-1,3-Dichloroptopane       0.50         10061-01-5       cis-1,3-Dichloroptopane       0.50  | 100-44-7   | alpha-Chlorotoluene              | 0.50              |
| 74-83-9       Bromomethane       5.0         78-83-3       2-Butanone (Methyl Ethyl Ketone)       2.0         75-15-0       Carbon Disulfide       2.0         56-23-5       Carbon Tetrachloride       0.50         124-48-1       Dibromochloromethane       0.50         75-00-3       Chlorobenzene       0.50         76-03-3       Chloroform       0.50         74-87-3       Chlorobenzene       0.50         74-87-3       Chlorobenzene       0.50         95-50-1       1.2-Dichlorobenzene       0.50         541-73-1       1,3-Dichlorobenzene       0.50         541-73-1       1,3-Dichlorobenzene       0.50         75-34-3       1,1-Dichlorobenzene       0.50         75-34-3       1,1-Dichloroethane       0.50         75-35-4       1,2-Dichloroethane       0.50         75-35-5       1,2-Dichloroethane       0.50         176-62       1,2-Dichloroethane       0.50         156-60-5       trans-1,2-Dichloroptene       0.50         156-60-5       trans-1,3-Dichloroptoppene       0.50         10061-01-5       cis-1,2-Dichloroptoppene       0.50         10061-02-6       trans-1,3-Dichloroptoppene       0.50  | 75-27-4    | Bromodichloromethane             | 0.50              |
| 78-93-3       2-Butanone (Methyl Ethyl Ketone)       2.0         75-15-0       Carbon Disulfide       2.0         56-23-5       Carbon Tetrachloride       0.50         108-90-7       Chlorobenzene       0.50         124-48-1       Dibromochloromethane       2.0         67-66-3       Chlorobenzene       0.50         75-00-3       Chloromethane       5.0         74-87-3       Chloromethane       5.0         95-50-1       1,2-Dibromoethane (EDB)       0.50         95-50-1       1,2-Dibromoethane (EDB)       0.50         95-50-1       1,2-Dibromoethane       0.50         75-34-3       1,1-Dichlorobenzene       0.50         75-71-8       Freon 12       0.50         75-75-4       1,1-Dichloroethane       0.50         75-75-5       1,2-Dichloroptene       0.50         76-62       1,2-Dichloroptene       0.50         76-76-8       trans-1,2-Dichloroptene       0.50         156-59-2       cis-1,3-Dichloroptene       0.50         10061-01-5       cis-1,3-Dichloropropane       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10041-04       Hethyl Henzene       0.50      <   | 75-25-2    | Bromoform                        | 0.50              |
| 75-15-0       Carbon Disulfide       2.0         56-23-5       Carbon Tetrachloride       0.50         108-90-7       Chlorobenzene       0.50         124-48-1       Dibromochloromethane       0.50         75-00-3       Chlorobenzene       0.50         74-87-3       Chloromethane       5.0         106-93-4       1,2-Dibromoethane (EDB)       0.50         95-50-1       1,2-Dichlorobenzene       0.50         541-73-1       1,3-Dichlorobenzene       0.50         75-34-3       1,1-Dichlorobenzene       0.50         75-34-3       1,1-Dichlorobenzene       0.50         75-34-3       1,1-Dichloroethane       0.50         75-35-4       1,1-Dichloroethane       0.50         107-06-2       1,2-Dichloroethane       0.50         156-60-5       trans-1,2-Dichloroethene       0.50         1066-10-15       cis-1,3-Dichloroptopene       0.50         10061-01-5       cis-1,3-Dichloroptopene       0.50         10061-02-6       trans-1,3-Dichloroptopene       0.50         10061-01-5       cis-1,3-Dichloroptopene       0.50         10061-02-6       trans-1,3-Dichloroptopene       0.50         100-41-4       Ethyl Benzene  | 74-83-9    | Bromomethane                     | 5.0               |
| 56-23-5         Carbon Tetrachloride         0.50           128-90-7         Chlorobenzene         0.50           124-48-1         Dibromochloromethane         0.50           75-00-3         Chlorotethane         2.0           67-66-3         Chloromethane         5.0           106-93-4         1,2-Dichorobetnare (EDB)         0.50           95-50-1         1,2-Dichlorobenzene         0.50           95-50-1         1,2-Dichlorobenzene         0.50           106-93-4         1,2-Dichlorobenzene         0.50           95-50-1         1,2-Dichlorobenzene         0.50           106-64-7         1,4-Dichlorobenzene         0.50           106-64-7         1,4-Dichloroethane         0.50           107-06-2         1,2-Dichloroethane         0.50           107-06-2         1,2-Dichloroethane         0.50           156-59-2         cis-1,2-Dichloroethene         0.50           156-60-5         trans-1,2-Dichloroppane         0.50           10061-01-5         cis-1,3-Dichloroppane         0.50           10061-02-6         trans-1,3-Dichloropropane         0.50           10061-02-6         trans-1,3-Dichloroptopane         0.50           10061-02-6         trans-1,3-Dich  | 78-93-3    | 2-Butanone (Methyl Ethyl Ketone) | 2.0               |
| 108-90-7         Chlorobenzene         0.50           124-48-1         Dibromochloromethane         0.50           75-00-3         Chloroform         0.50           74-87-3         Chloroform         0.50           74-87-3         Chloromethane (EDB)         0.50           95-50-1         1,2-Dichlorobenzene         0.50           95-50-1         1,2-Dichlorobenzene         0.50           106-46-7         1,4-Dichlorobenzene         0.50           107-64-7         1,4-Dichlorobenzene         0.50           107-06-2         1,2-Dichloroethane         0.50           107-06-2         1,2-Dichloroethane         0.50           107-06-2         1,2-Dichloroethane         0.50           156-60-5         trans-1,2-Dichloroethene         0.50           156-60-5         trans-1,2-Dichloroethene         0.50           10061-01-5         cis-1,3-Dichloropropane         0.50           10061-02-6         trans-1,3-Dichloropropane         0.50           10061-02-6         trans-1,3-Dichloropropene         0.50           100-14-4         Ethyl Benzene         0.50           100-26         trans-1,2-Dichloroethene         0.50           100-42-5         Styrene <t< td=""><td>75-15-0</td><td>Carbon Disulfide</td><td>2.0</td></t<> | 75-15-0    | Carbon Disulfide                 | 2.0               |
| 124.48-1       Dibromochloromethane       0.50         75-00-3       Chloroethane       2.0         67-66-3       Chloromethane       5.0         106-93-4       1,2-Dibromoethane (EDB)       0.50         95-50-1       1,2-Dichlorobenzene       0.50         541-73-1       1,3-Dichlorobenzene       0.50         75-34-3       1,1-Dichlorobenzene       0.50         75-71-8       Freon 12       0.50         75-74-8       Freon 12       0.50         75-74-8       Freon 12       0.50         75-75-4       1,1-Dichlorobenzene       0.50         75-74-8       Freon 12       0.50         75-75-4       1,2-Dichloroethane       0.50         75-75-4       1,2-Dichloroethene       0.50         156-59-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroptopene       0.50         10061-01-5       cis-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloroptopene       0.50         10061-01-5       cis-1,3-Dichloroptopene       0.50         10061-02-6       trans-1,3-Dichloroptopene       0.50         10061-02-6       trans-1,3-Dichloroptopene       0.50 <td>56-23-5</td> <td>Carbon Tetrachloride</td> <td>0.50</td>  | 56-23-5    | Carbon Tetrachloride             | 0.50              |
| 75-00-3       Chloroethane       2.0         67-66-3       Chloroform       0.50         74-87-3       Chloromethane       5.0         106-93-4       1.2-Dibromoethane (EDB)       0.50         95-50-1       1.2-Dichlorobenzene       0.50         541-73-1       1.3-Dichlorobenzene       0.50         75-34.3       1.1-Dichlorobenzene       0.50         75-34.3       1.1-Dichloroethane       0.50         75-71-8       Freon 12       0.50         107-06-2       1.2-Dichloroethane       0.50         75-35-4       1.1-Dichloroethane       0.50         156-59-2       cis-1.2-Dichloroethene       0.50         156-60-5       trans-1.2-Dichloroptpane       0.50         1061-01-5       cis-1.3-Dichloroptpane       0.50         10061-02-6       trans-1.3-Dichloroptpane       0.50         10061-02-6       trans-1.3-Dichloroptpane       0.50         10061-02-6       trans-1.3-Dichloroptpane       0.50         10061-02-6       trans-1.3-Dichloroptpane       0.50         100-14-4       Ethyl Benzene       0.50         622-66-8       4-Ethyltoluene       2.0         75-09-2       Methyl-2-pentanone       0.50   | 108-90-7   | Chlorobenzene                    | 0.50              |
| 67-66-3         Chloroform         0.50           74-87-3         Chloromethane         5.0           106-93-4         1,2-Dibromoethane (EDB)         0.50           95-50-1         1.2-Dichlorobenzene         0.50           541-73-1         1,3-Dichlorobenzene         0.50           106-46-7         1.4-Dichlorobenzene         0.50           75-71-8         Freon 12         0.50           107-06-2         1,2-Dichloroethane         0.50           107-06-2         1,2-Dichloroethene         0.50           107-06-2         1,2-Dichloroethene         0.50           107-06-2         1,2-Dichloroethene         0.50           107-06-2         1,2-Dichloroethene         0.50           106-60-5         trans-1,2-Dichloroethene         0.50           10661-01-5         cis-1,3-Dichloropropene         0.50           10061-02-6         trans-1,3-Dichloropropene         0.50           10061-02-6         trans-1,3-Dichloroptopene         0.50           100-41-4         Ethyl Benzene         0.50           622-96-8         4-Ethyltoluene         2.0           591-78-6         2-Hexanone         2.0           591-78-6         2-Hexanone         0.50   | 124-48-1   | Dibromochloromethane             | 0.50              |
| 74-87-3       Chloromethane       5.0         106-93-4       1,2-Dibromoethane (EDB)       0.50         95-50-1       1,2-Dichlorobenzene       0.50         541-73-1       1,3-Dichlorobenzene       0.50         106-46-7       1,4-Dichlorobenzene       0.50         75-34-3       1,1-Dichloroethane       0.50         75-71-8       Freon 12       0.50         75-35-4       1,1-Dichloroethane       0.50         107-06-2       1,2-Dichloroethane       0.50         75-35-4       1,1-Dichloroethene       0.50         156-69-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroptene       0.50         1061-01-5       cis-1,3-Dichloropropane       0.50         10061-01-5       cis-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         100-41-4       Ethyl Benzene       0.50         87-68-3       Hexachlorobutadiene       2.0         87-68-3       Hexachlorobutadiene       2.0         91-78-6       2-Hexanone       2.0         91-78-6       2-Hexanone       0.50         100-42-5       Styrene       0.50 <t< td=""><td>75-00-3</td><td>Chloroethane</td><td>2.0</td></t<>   | 75-00-3    | Chloroethane                     | 2.0               |
| 106-93-4         1,2-Dibromoethane (EDB)         0.50           95-50-1         1,2-Dichlorobenzene         0.50           541-73-1         1,3-Dichlorobenzene         0.50           106-46-7         1,4-Dichlorobenzene         0.50           75-34-3         1,1-Dichloroethane         0.50           75-71-8         Freon 12         0.50           107-06-2         1,2-Dichloroethane         0.50           75-35-4         1,1-Dichloroethene         0.50           156-69-2         cis-1,2-Dichloroethene         0.50           156-60-5         trans-1,2-Dichloroethene         0.50           10061-01-5         cis-1,3-Dichloropropane         0.50           10061-02-6         trans-1,3-Dichloropropene         0.50           10061-02-6         trans-1,3-Dichloropropene         0.50           10061-02-6         trans-1,3-Dichloropropene         0.50           100-41-4         Ethyl Benzene         0.50           100-41-4         Ethyl Benzene         0.50           100-41-4         Ethyl Ibene         1.0           109-78-6         2-Hexanone         2.0           75-09-2         Methylene Chloride         5.0           108-10-1         4-Methyl-2-pentanone   | 67-66-3    | Chloroform                       | 0.50              |
| 95-50-1         1,2-Dichlorobenzene         0.50           541-73-1         1,3-Dichlorobenzene         0.50           106-46-7         1,4-Dichlorobenzene         0.50           75-34-3         1,1-Dichloroethane         0.50           75-71-8         Freon 12         0.50           107-06-2         1,2-Dichloroethane         0.50           75-35-4         1,1-Dichloroethene         0.50           156-59-2         cis-1,2-Dichloroethene         0.50           156-60-5         trans-1,2-Dichloroethene         0.50           10061-01-5         cis-1,3-Dichloropropane         0.50           10061-02-6         trans-1,3-Dichloropropene         0.50           10061-02-6         trans-1,3-Dichloropropene         0.50           10061-02-6         trans-1,3-Dichloropropene         0.50           10041-4         Ethyl Benzene         0.50           622-96-8         4-Ethyltoluene         0.50           591-78-6         2-Hexanone         2.0           591-78-6         2-Hexanone         2.0           591-78-6         2-Hexanone         0.50           100-42-5         Styrene         0.50           100-42-5         Styrene         0.50  | 74-87-3    | Chloromethane                    | 5.0               |
| 541-73-1       1,3-Dichlorobenzene       0.50         106-46-7       1,4-Dichlorobenzene       0.50         75-34-3       1,1-Dichloroethane       0.50         75-71-8       Freon 12       0.50         107-06-2       1,2-Dichloroethane       0.50         75-35-4       1,1-Dichloroethane       0.50         75-35-4       1,1-Dichloroethene       0.50         166-60-5       trans-1,2-Dichloroethene       0.50         1061-01-5       cis-1,3-Dichloropropane       0.50         10061-01-5       cis-1,3-Dichloropropene       0.50         10061-01-5       cis-1,3-Dichloropropene       0.50         10061-01-6       trans-1,3-Dichloropropene       0.50         10061-01-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         100-41-4       Ethyl Benzene       0.50         100-41-4       Ethyl Benzene       0.50         100-41-5       Siyrene       0.50         108-10-1       4-Ethyl Benzene       0.50         109-178-6       2-Hexanone       2.0         591-78-6       2-Hexanone       2.0         108-10-1       4-Methyl-2-pentanone       0.50     <  | 106-93-4   | 1,2-Dibromoethane (EDB)          | 0.50              |
| 106-46-7       1,4-Dichlorobenzene       0.50         75-34-3       1,1-Dichloroethane       0.50         75-71-8       Freon 12       0.50         107-06-2       1,2-Dichloroethane       0.50         75-35-4       1,1-Dichloroethane       0.50         75-35-4       1,1-Dichloroethene       0.50         156-59-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroptopane       0.50         10061-01-5       cis-1,3-Dichloroptopene       0.50         10061-02-6       trans-1,3-Dichloroptopene       0.50         10061-02-6       trans-1,3-Dichloroptopene       0.50         10061-02-6       trans-1,3-Dichloroptopene       0.50         10041-44       Ethyl Benzene       0.50         100-41-4       Ethyl Benzene       0.50         87-68-3       Hexachlorobutadiene       2.0         91-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         108-10-1       4-Methyl-2-pentanone       0.50         108-45       Styrene       0.50         104-42-5       Styrene       0.50         102-42-5       Styrene       0.50         10   | 95-50-1    | 1,2-Dichlorobenzene              | 0.50              |
| 75-34-3       1,1-Dichloroethane       0.50         75-71-8       Freon 12       0.50         107-06-2       1,2-Dichloroethane       0.50         75-35-4       1,1-Dichloroethene       0.50         156-59-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroethene       0.50         10061-01-5       cis-1,3-Dichloropropane       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10041-4       Ethyl Benzene       0.50         100-41-4       Ethyl Benzene       0.50         87-68-3       Hexachlorobutadiene       2.0         91-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         100-42-5       Styrene       0.50         102-42-5       1,1,2,2-Tetra  | 541-73-1   | 1,3-Dichlorobenzene              | 0.50              |
| 75-71-8       Freen 12       0.50         107-06-2       1,2-Dichloroethane       0.50         75-35-4       1,1-Dichloroethene       0.50         156-59-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroethene       0.50         10061-01-5       cis-1,3-Dichloropropane       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         100-41-4       Ethyl Benzene       0.50         100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         591-78-6       2-Hexanone       0.50         100-42-5       Styrene       0.50         102-82-1       1,2,2-Tetrachloroeth  | 106-46-7   | 1,4-Dichlorobenzene              |                   |
| 75-71-8         Freen 12         0.50           107-06-2         1,2-Dichloroethane         0.50           75-35-4         1,1-Dichloroethene         0.50           156-59-2         cis-1,2-Dichloroethene         0.50           156-60-5         trans-1,2-Dichloroethene         0.50           10061-01-5         cis-1,3-Dichloroptopane         0.50           10061-01-5         cis-1,3-Dichloropropane         0.50           10061-02-6         trans-1,3-Dichloropropene         0.50           10061-02-6         trans-1,3-Dichloropropene         0.50           10041-02-6         trans-1,3-Dichloropropene         0.50           10041-02-6         trans-1,3-Dichloropropene         0.50           100-41-4         Ethyl Benzene         0.50           100-41-4         Ethyl Benzene         0.50           100-41-4         Ethyl Benzene         2.0           591-78-6         2-Hexanone         2.0           591-78-6         2-Hexanone         5.0           100-42-5         Styrene         0.50           100-42-5         Styrene         0.50           100-42-5         Styrene         0.50           100-42-5         Styrene         0.50   | 75-34-3    | 1,1-Dichloroethane               | 0.50              |
| 75-35-4       1,1-Dichloroethene       0.50         156-59-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloropropane       0.50         78-87-5       1,2-Dichloropropane       0.50         10061-01-5       cis-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         100-10-26       trans-1,3-Dichloropropene       0.50         100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         75-09-2       Methylene Chloride       5.0         108-10-1       4-Methyl-2-pentanone       0.50         100-42-5       Styrene       0.50         102-82-1       1,2,2-Tetrachloroethane       0.50         102-82-1       1,2,4-Trichloroethane       0.50         102-82-1       1,2,4-Trichloroethane       0.50         179-55-6       1,1,1-Trichloroethane       0.50   | 75-71-8    | Freon 12                         |                   |
| 75-35-4       1,1-Dichloroethene       0.50         156-59-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloropropane       0.50         78-87-5       1,2-Dichloropropane       0.50         10061-01-5       cis-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         100-102-6       trans-1,3-Dichloropropene       0.50         100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         75-09-2       Methylene Chloride       5.0         108-10-1       4-Methyl-2-pentanone       0.50         100-42-5       Styrene       0.50         100-42-5       Styrene       0.50         100-42-5       Styrene       0.50         120-82-1       1,2,2-Tetrachloroethane       0.50         127-18-4       Tetrachloroethane       0.50         108-88-3       Toluene       1.0         120-82-1       1,2,4-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50   | 107-06-2   | 1,2-Dichloroethane               |                   |
| 156-59-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroptopene       0.50         78-87-5       1,2-Dichloropropene       0.50         10061-01-5       cis-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10041-02-6       trans-1,3-Dichloropropene       0.50         100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         91-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         108-10-1       4-Methyl-2-pentanone       0.50         107-42-5       Styrene       0.50         107-42-5       Styrene       0.50         127-18-4       Tetrachloroethane       0.50         128-88-3       Toluene       1.0         120-82-1       1,2,4-Trichlorobenzene       2.0         71-55-6       1,1,1-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-01-6       Trichloroethane       0.50         79-01-6       Trichloroethane       0.50 <t< td=""><td>75-35-4</td><td>1,1-Dichloroethene</td><td></td></t<>  | 75-35-4    | 1,1-Dichloroethene               |                   |
| 156-60-5       trans-1,2-Dichloropethene       0.50         78-87-5       1,2-Dichloropropane       0.50         10061-01-5       cis-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         951-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         108-10-1       4-Methyl-2-pentanone       0.50         100-42-5       Styrene       0.50         108-88-3       Toluene       1.0         120-82-1       1,2,2-Tetrachlorobethane       0.50         120-82-1       1,2,4-Trichlorobenzene       2.0         79-00-5       1,1,2-Trichloroethane       0.50  | 156-59-2   | cis-1,2-Dichloroethene           |                   |
| 10061-01-5cis-1,3-Dichloropropene0.5010061-02-6trans-1,3-Dichloropropene0.5076-14-2Freon 1140.50100-41-4Ethyl Benzene0.50622-96-84-Ethyltoluene0.5087-68-3Hexachlorobutadiene2.0591-78-62-Hexanone2.075-09-2Methylene Chloride5.0100-42-5Styrene0.50100-42-5Styrene0.50107-88-3Toluene1.0120-82-11,2,2-Tetrachloroethane0.50108-88-3Toluene1.0120-82-11,2,4-Trichloroethane0.5079-00-51,1,2-Trichloroethane0.5079-01-6Trichloroethene0.5079-04-6Trichloroethene0.5079-69-4Freon 110.50  | 156-60-5   | trans-1,2-Dichloroethene         |                   |
| 10061-02-6trans-1,3-Dichloropropene0.5076-14-2Freon 1140.50100-41-4Ethyl Benzene0.50622-96-84-Ethyltoluene0.5087-68-3Hexachlorobutadiene2.0591-78-62-Hexanone2.075-09-2Methylene Chloride5.0108-10-14-Methyl-2-pentanone0.50100-42-5Styrene0.50100-42-5Styrene0.50108-88-3Toluene1.0120-82-11,2,4-Trichlorobenzene2.071-55-61,1,1-Trichloroethane0.5079-00-51,1,2-Trichloroethane0.5079-01-6Trichloroethene0.5075-69-4Freon 110.50  | 78-87-5    | 1,2-Dichloropropane              | 0.50              |
| 76-14-2       Freon 114       0.50         100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         108-10-1       4-Methyl-2-pentanone       0.50         100-42-5       Styrene       0.50         79-34-5       1,1,2,2-Tetrachloroethane       0.50         108-88-3       Toluene       1.0         120-82-1       1,2,4-Trichlorobenzene       2.0         71-55-6       1,1,1-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-01-6       Trichloroethene       0.50         79-04       Freon 11       0.50  | 10061-01-5 | cis-1,3-Dichloropropene          | 0.50              |
| 100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         100-42-5       Styrene       0.50         102-42-5       Styrene       0.50         100-42-5       1,1,2,2-Tetrachloroethane       0.50         127-18-4       Tetrachloroethane       0.50         108-88-3       Toluene       1.0         120-82-1       1,2,4-Trichlorobenzene       2.0         71-55-6       1,1,1-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-01-6       Trichloroethene       0.50         75-69-4       Freon 11       0.50   | 10061-02-6 | trans-1,3-Dichloropropene        | 0.50              |
| 622-96-84-Ethyltoluene0.5087-68-3Hexachlorobutadiene2.0591-78-62-Hexanone2.075-09-2Methylene Chloride5.0108-10-14-Methyl-2-pentanone0.50100-42-5Styrene0.5079-34-51,1,2,2-Tetrachloroethane0.50127-18-4Tetrachloroethene0.50108-88-3Toluene1.0120-82-11,2,4-Trichlorobenzene2.071-55-61,1,1-Trichloroethane0.5079-01-6Trichloroethene0.5075-69-4Freon 110.50  | 76-14-2    | Freon 114                        | 0.50              |
| 622-96-84-Ethyltoluene0.5087-68-3Hexachlorobutadiene2.0591-78-62-Hexanone2.075-09-2Methylene Chloride5.0108-10-14-Methyl-2-pentanone0.50100-42-5Styrene0.5079-34-51,1,2,2-Tetrachloroethane0.50127-18-4Tetrachloroethene0.50108-88-3Toluene1.0120-82-11,2,4-Trichlorobenzene2.071-55-61,1,1-Trichloroethane0.5079-01-6Trichloroethene0.5075-69-4Freon 110.50  | 100-41-4   | Ethyl Benzene                    | 0.50              |
| 87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         108-10-1       4-Methyl-2-pentanone       0.50         100-42-5       Styrene       0.50         79-34-5       1,1,2,2-Tetrachloroethane       0.50         127-18-4       Tetrachloroethene       0.50         108-88-3       Toluene       1.0         120-82-1       1,2,4-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-01-6       Trichloroethene       0.50         79-01-6       Trichloroethene       0.50         75-69-4       Freon 11       0.50  | 622-96-8   | 4-Ethyltoluene                   |                   |
| 75-09-2       Methylene Chloride       5.0         108-10-1       4-Methyl-2-pentanone       0.50         100-42-5       Styrene       0.50         79-34-5       1,1,2,2-Tetrachloroethane       0.50         127-18-4       Tetrachloroethene       0.50         108-88-3       Toluene       1.0         120-82-1       1,2,4-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-01-6       Trichloroethene       0.50         75-69-4       Freon 11       0.50  | 87-68-3    | Hexachlorobutadiene              | 2.0               |
| 108-10-1       4-Methyl-2-pentanone       0.50         100-42-5       Styrene       0.50         79-34-5       1,1,2,2-Tetrachloroethane       0.50         127-18-4       Tetrachloroethene       0.50         108-88-3       Toluene       1.0         120-82-1       1,2,4-Trichloroethane       0.50         79-00-5       1,1,1-Trichloroethane       0.50         79-01-6       Trichloroethene       0.50         75-69-4       Freon 11       0.50  | 591-78-6   | 2-Hexanone                       | 2.0               |
| 100-42-5Styrene0.5079-34-51,1,2,2-Tetrachloroethane0.50127-18-4Tetrachloroethene0.50108-88-3Toluene1.0120-82-11,2,4-Trichlorobenzene2.071-55-61,1,1-Trichloroethane0.5079-00-51,1,2-Trichloroethane0.5079-01-6Trichloroethene0.5075-69-4Freon 110.50  | 75-09-2    | Methylene Chloride               | 5.0               |
| 100-42-5Styrene0.5079-34-51,1,2,2-Tetrachloroethane0.50127-18-4Tetrachloroethene0.50108-88-3Toluene1.0120-82-11,2,4-Trichlorobenzene2.071-55-61,1,1-Trichloroethane0.5079-00-51,1,2-Trichloroethane0.5079-01-6Trichloroethene0.5075-69-4Freon 110.50  | 108-10-1   | 4-Methyl-2-pentanone             | 0.50              |
| 79-34-5       1,1,2,2-Tetrachloroethane       0.50         127-18-4       Tetrachloroethene       0.50         108-88-3       Toluene       1.0         120-82-1       1,2,4-Trichlorobenzene       2.0         71-55-6       1,1,1-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-01-6       Trichloroethene       0.50         75-69-4       Freon 11       0.50  | 100-42-5   |                                  |                   |
| 127-18-4         Tetrachloroethene         0.50           108-88-3         Toluene         1.0           120-82-1         1,2,4-Trichlorobenzene         2.0           71-55-6         1,1,1-Trichloroethane         0.50           79-00-5         1,1,2-Trichloroethane         0.50           79-01-6         Trichloroethene         0.50           75-69-4         Freon 11         0.50   | 79-34-5    |                                  |                   |
| 108-88-3       Toluene       1.0         120-82-1       1,2,4-Trichlorobenzene       2.0         71-55-6       1,1,1-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-01-6       Trichloroethene       0.50         75-69-4       Freon 11       0.50   | 127-18-4   | Tetrachloroethene                |                   |
| 120-82-1       1,2,4-Trichlorobenzene       2.0         71-55-6       1,1,1-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-01-6       Trichloroethene       0.50         75-69-4       Freon 11       0.50  |            |                                  |                   |
| 71-55-6       1,1,1-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-01-6       Trichloroethene       0.50         75-69-4       Freon 11       0.50  | 120-82-1   | 1,2,4-Trichlorobenzene           |                   |
| 79-00-5       1,1,2-Trichloroethane       0.50         79-01-6       Trichloroethene       0.50         75-69-4       Freon 11       0.50   | 71-55-6    | 1,1,1-Trichloroethane            |                   |
| 79-01-6         Trichloroethene         0.50           75-69-4         Freon 11         0.50  |            |                                  |                   |
| 75-69-4 Freon 11 0.50   |            |                                  |                   |
|   |            | Freon 11                         |                   |
| 0.00  | 76-13-1    | Freon 113                        | 0.50              |



# Seurofins | Air Toxics

#### Method : TO-15 (Sp)-Eurofins TA (CEC, OK)

| CAS Number    | Compound               | Rpt. Limit (ppbv) |  |
|---------------|------------------------|-------------------|--|
| 95-63-6       | 1,2,4-Trimethylbenzene | 0.50              |  |
| 108-67-8      | 1,3,5-Trimethylbenzene | 0.50              |  |
| 108-05-4      | Vinyl Acetate          | 2.0               |  |
| 75-01-4       | Vinyl Chloride         | 0.50              |  |
| 108-38-3      | m,p-Xylene             | 1.0               |  |
| 95-47-6       | o-Xylene               | 0.50              |  |
| 9999-9999-500 | TVOC Ref. to Hexane    | 10                |  |

|            | Surrogate             | Method Limits |  |
|------------|-----------------------|---------------|--|
| 2037-26-5  | Toluene-d8            | 70-130        |  |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 70-130        |  |
| 460-00-4   | 4-Bromofluorobenzene  | 70-130        |  |

**Air Toxics** 

#### **Eurofins Air Toxics Sample Receipt Confirmation Cover Page**

Thank you for choosing Eurofins Air Toxics (EATL). We have received your samples and have listed any Sample Receipt Descrepancies below.

In order to expedite analysis and reporting, please review the attached information for accuracy.

For corrections call: Air Toxics, Ltd. at 916-985-1000

EATL will proceed with the analysis as specified on the Chain of Custody (COC) and Sample Receipt Summary page.

**Please note** : The Sample Receipt Confirmation, including the total workorder charge, is subject to change upon secondary review. Our aim is to provide a confirmation to you in a timely manner. Sample Receipt Discrepancies, if any, may not include discrepancies regarding sample receipt pressure(s). Additionally, the COC will be provided with the final report.

In accordance with your company's contract, this account is required to have a PO that is fully executed by both parties which also covers the cost of the workorder before any data can be released. Please ensure that you have given all appropriate information to our Project Manager so that there will be no delay in reporting of the data you are requesting.

The following discrepancies have been observed:

The Chain of Custody (COC) was missing method information. EATL will proceed with the analysis as per the original contract or verbal agreement unless otherwise notified.

The Chain of Custody (COC) was not completed properly. Please note for future reference that the COC must be signed and dated with time included in order to properly relinquish or receive samples.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 .FAX (916) 985-1020 Hours 6:30 A.M to 5:30 P.M. PST 🛟 eurofins

| Air Toxics       1         SAMPLE RECEIPT SUMMARY       3         WORKORDER 2406615       4         Client       Date Promised: 07/03/24         Mr. Ken Hayes       Date Completed:         Burofins Environment Testing       Date Received: 6/20/24         301 Alpha Dr.       Fax         Physical State-M       6         Sales Rep: TA       Lucud Bru 1b/1                    | Air Toxics                     | 1<br>2<br>3 |
|---|--------------------------------|-------------|
| Air Toxics       2         SAMPLE RECEIPT SUMMARY       3         WORKORDER 2406615       4         Client       Date Promised: 07/03/24       5         Mr. Ken Hayes       Date Completed:       5         Eurofins Environment Testing       301 Alpha Dr.       Fax       PO#:         Pittsburgh, PA 15238       Project#: State-M       8         Sales Ren:       TA       0   | Air Toxics                     | 2           |
| WORKORDER 2406615       Date Promised: 07/03/24       5         Client       Phone       Date Completed:       5         Mr. Ken Hayes       Date Received: 6/20/24       6         Eurofins Environment Testing       301 Alpha Dr.       Fax       PO#:       7         Pittsburgh, PA 15238       Project#: State-M       8         Sales Ren: TA       Total \$: \$155.00       9 |                                | 3           |
| WORKORDER 2406615       Date Promised: 07/03/24       5         Client       Phone       Date Completed:       5         Mr. Ken Hayes       Date Received: 6/20/24       6         Eurofins Environment Testing       301 Alpha Dr.       Fax       PO#:       7         Pittsburgh, PA 15238       Project#: State-M       8         Sales Ren: TA       Total \$: \$155.00       9 |                                |             |
| Client       Date Promised:       07/03/24       5         Mr. Ken Hayes       Date Completed:       6         Eurofins Environment Testing       Date Received:       6/20/24       6         301 Alpha Dr.       Fax       PO#:       7         Pittsburgh, PA 15238       Project#:       State-M       8         Sales Ren:       Total \$:       \$ 155.00                       |                                | 4           |
| ChentPhoneDate Completed:6Mr. Ken HayesDate Received:6/20/246Eurofins Environment Testing301 Alpha Dr.FaxPO#:7301 Alpha Dr.FaxPO#:7Pittsburgh, PA 15238Project#:State-M8Total \$: \$ 155.00   | WORKORDER 2406615              |             |
| Phone     Date Completed:       Mr. Ken Hayes     Date Received: 6/20/24       Eurofins Environment Testing     Date Received: 6/20/24       301 Alpha Dr.     Fax       Pittsburgh, PA 15238     Project#: State-M       Sales Rep: TA   | Client Date Promised: 07/03/24 | 5           |
| Eurofins Environment Testing     Date Received: 6/20/24       301 Alpha Dr.     Fax       Pittsburgh, PA 15238     Project#: State-M       Sales Rep:     TA  | Phone Date Completed:          | 6           |
| 301 Alpha Dr.FaxPO#:7Pittsburgh, PA 15238Project#: State-M8Sales Ren: TA  |                                | 0           |
| Pittsburgh, PA 15238 Project#: State-M 8 Sales Rep: TA  | DO II                          | 7           |
| Sales Rep: TA Total \$: \$ 155.00   |                                |             |
| Sales Rep: TA   |                                | 8           |
| Trand Day T M   | Sales Ren: TA                  |             |
| Logged By: LN   | Logged By: LN                  | 9           |

| <b>Fraction</b> | Sample #   | <u>Analysis</u> | <b>Collected</b> | Amount\$          |
|-----------------|--|-----------------|------------------|-------------------|
| 01A             | 20240618M-1  | TO-15           | 6/18/2024        | \$120.00          |
| Misc. Charge    | es 6 Liter Summa Canister (1) @ \$30.00 each.,<br>Fitting w/ Pink Ferrule (1) @ \$5.00 each. | Shipment 162342 |                  | \$30.00<br>\$5.00 |

Note: Samples received after 3 P.M. PST are considered to be received on the following work day. Atlas Project Name/Profile#: EQUUS/23738

**BILL TO:** Mr. Ken Hayes Eurofins Environment Testing 301 Alpha Dr. Pittsburgh, PA 15238

Analysis Code: TO-14A

**TERMS:** 

Reporting Method: TO-15 (Sp)-Eurofins TA (CEC, OK)

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

|   | Shipper Name: Currow Custody Seals Intact? Yes No None Condition: | Relinquished by: (Signature/Affiliation) Date Time Received by: (Signature/Affiliation) | Relinquished by: (Signature/Affiliation) Date Time Received by: (Signature/Affiliation) | Date           | Special Instructions/Notes: |  |  |  |  |  | 01A 20240618 M-1 120430 2221 6-18-24 1013 1.18-24 1017 | Lab Field Sample Identification (Location) Canister Flow Controller Information Information Information Information | Sampler: Jerry Fisher |                   | Mater M. and and a second seco | Project # 202426 Man-   | Project Name: $\frac{1}{2} \frac{1}{2} \frac{1}{2$ | - Contraction and | Purofins Environment Testing Northern California, LLC<br>80 Blue Ravine Rd. Suite B, Folsom, CA 95630<br>Phone (800) 985-5955; Fax (916) 351-6279 | Allarysis Request/ Califister Chalifi of C | Analysis Request / Canister Chain of C | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>7<br>8<br>9 |
|---|---|---|---|----------------|-----------------------------|--|--|--|--|--|--|---|-----------------------|-------------------|--|---|--|-------------------|---|--|--|--|
| te, Federal, and international laws, regulations, and ordinances of any kind. Relinquishing |   | ation) Date Time  | Date  | Date CATL Date |                             |  |  |  |  |  | A 8 1  | Initial (in "H<br>Final (in "H<br>Receipt<br>(in "Hg)   | g)                    | Lab Use Only Sec. | iebe   | Samples received after JPM PST Requested Date, (mm/pd/yy): %<br>are considered to be received on<br>the following workday. * OB Number of Days: | ush (Surcharges will apply, per avail  | Turnaround Tir    | EATL will proceed<br>with Standard TAT  | -usiouy                                    | luctody                                |  |

7/3/2024

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Air Toxics

| 67-64-1       Acetone       5.0         71-43-2       Benzene       0.50         100-44-7       alpha-Chlorotoluene       0.50         75-274       Bromodichloromethane       0.50         75-274       Bromomethane       5.0         78-83-3       2-Butanone (Methyl Ethyl Ketone)       2.0         75-15-0       Carbon Disulfide       2.0         65:23-5       Carbon Tetrachloride       0.50         108-90-7       Chlorobenzene       0.50         108-90-7       Chlorobenzene       0.50         74-87-3       Chloromethane       2.0         67-66-3       Chlorobenzene       0.50         74-87-3       Chloromethane       5.0         106-93-4       1,2-Dibromoethane (EDB)       0.50         95-50-1       1.2-Dichlorobenzene       0.50         75-37-8       Chloromethane       0.50         75-37-13       1,3-Dichlorobenzene       0.50         75-37-3       Chloromethane       0.50         75-37-4       1,1-Dichlorobenzene       0.50         75-37-8       1,1-Dichlorobenzene       0.50         75-35-4       1,1-Dichloroethane       0.50         75-35-5       1,2-Dichloroetha  | CAS Number | Compound                         | Rpt. Limit (ppbv) |
|---|------------|----------------------------------|-------------------|
| 100-44-7         alpha-Chlorotoluene         0.50           75-27-4         Bromodichloromethane         0.50           75-27-4         Bromodichloromethane         0.50           74-83-9         Bromomethane         5.0           74-83-9         Bromomethane         5.0           78-93-3         2-Butanone (Methyl Ethyl Ketone)         2.0           75-15-0         Carbon Disulfide         2.0           56-23-5         Carbon Tetrachloride         0.50           108-90-7         Chlorobenzene         0.50           124-48-1         Dibromochloromethane         0.50           75-00-3         Chloroform         0.50           76-83-3         Chloroform         0.50           124-48-1         1.2-Dibromoethane (EDB)         0.50           106-93-4         1.2-Dibromoethane         0.50           106-93-4         1.2-Dibromoethane         0.50           541-73-1         1.3-Dichlorobenzene         0.50           106-64-7         1.4-Dichlorobenzene         0.50           107-06-2         1.2-Dichloroethane         0.50           107-06-2         1.2-Dichloroethane         0.50           156-59-2         cis-1.2-Dichloroethene         0.50   | 67-64-1    | Acetone                          | 5.0               |
| 75-27-4       Bromodichloromethane       0.50         75-25-2       Bromomethane       5.0         74-83-9       Bromomethane       5.0         78-93-3       2-Butanone (Methyl Ethyl Ketone)       2.0         75-15-0       Carbon Disulfide       2.0         56-23-5       Carbon Tetrachloride       0.50         108-90-7       Chlorobenzene       0.50         124-48-1       Dibromochloromethane       2.0         75-03       Chlorothane       2.0         67-66-3       Chloromethane       2.0         67-66-3       Chloromethane       5.0         106-93-4       1,2-Dichlorobenzene       0.50         95-50-1       1,2-Dichlorobenzene       0.50         95-50-1       1,2-Dichlorobenzene       0.50         95-50-1       1,2-Dichlorobenzene       0.50         106-64-7       1,4-Dichlorobenzene       0.50         75-71-8       Freon 12       0.50         107-06-2       1,2-Dichloroethane       0.50         156-59-2       cis-1,3-Dichloropropene       0.50         156-60-5       trans-1,3-Dichloropropene       0.50         10061-01-5       cis-1,3-Dichloropropene       0.50         100   | 71-43-2    | Benzene                          | 0.50              |
| 75-25-2         Bromoform         0.50           74-83-9         Bromomethane         5.0           78-93-3         2-Butanone (Methyl Ethyl Ketone)         2.0           75-15-0         Carbon Disulfide         2.0           56-23-5         Carbon Disulfide         0.50           108-90-7         Chlorobenzene         0.50           124-48-1         Dibromochloromethane         0.50           78-73         Chlorobenzene         0.50           74-87-3         Chlorobenzene         0.50           106-93-4         1,2-Dibromoethane (EDB)         0.50           95-50-1         1,2-Dichlorobenzene         0.50           106-46-7         1,4-Dichlorobenzene         0.50           106-46-7         1,4-Dichlorobenzene         0.50           106-46-7         1,4-Dichlorobenzene         0.50           107-06-2         1,2-Dichloroethane         0.50           107-06-2         1,2-Dichloroethane         0.50           107-06-2         1,2-Dichloroethane         0.50           106-46-7         1,4-Dichloroethane         0.50           106-46-7         1,2-Dichloroethane         0.50           106-50         trans-1,2-Dichloroethene         0.50   | 100-44-7   | alpha-Chlorotoluene              | 0.50              |
| 74-83-9       Bromomethane       5.0         78-93-3       2-Butanone (Methyl Ethyl Ketone)       2.0         75-15-0       Carbon Disulfide       2.0         56-23-5       Carbon Tetrachloride       0.50         124-48-1       Dibromochloromethane       0.50         124-48-1       Dibromochloromethane       0.50         78-93-3       Chlorobenzene       0.50         74-87-3       Chlorotemtane       2.0         67-66-3       Chloromethane       5.0         106-93-4       1,2-Dibromoethane (EDB)       0.50         95-50-1       1,2-Dichlorobenzene       0.50         95-50-1       1,2-Dichlorobenzene       0.50         75-34-3       1,1-Dichlorobenzene       0.50         75-34-3       1,1-Dichloroethane       0.50         75-71-8       Freon 12       0.50         107-06-2       1,2-Dichloroethane       0.50         107-06-2       1,2-Dichloroethane       0.50         156-59-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroppopene       0.50         10061-01-5       cis-1,2-Dichloroppopene       0.50         10061-02-6       trans-1,3-Dichloroppopene       0.50   | 75-27-4    | Bromodichloromethane             | 0.50              |
| 78-93-3       2-Butanone (Methyl Ethyl Ketone)       2.0         75-15-0       Carbon Disulfide       2.0         56-23-5       Carbon Tetrachloride       0.50         108-90-7       Chiorobenzene       0.50         124-48-1       Dibromochloromethane       0.50         75-00-3       Chiorobenzene       0.50         76-66-3       Chioromethane       5.0         106-93-4       1,2-Dibromoethane (EDB)       0.50         95-50-1       1,2-Dichlorobenzene       0.50         541-73-1       1,3-Dichlorobenzene       0.50         106-46-7       1,4-Dichlorobenzene       0.50         75-34-3       1,1-Dichlorobenzene       0.50         107-06-2       1,2-Dichloroethane       0.50         75-34-3       1,1-Dichloroethane       0.50         75-34-4       1,1-Dichloroethane       0.50         107-06-2       1,2-Dichloroethene       0.50         156-59-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroethene       0.50         10061-01-5       cis-1,3-Dichloropropane       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene  | 75-25-2    | Bromoform                        | 0.50              |
| 75-15-0       Carbon Disulfide       2.0         56-23-5       Carbon Tetrachloride       0.50         128-90-7       Chlorobenzene       0.50         124-48-1       Dibromochloromethane       0.50         75-00-3       Chloroethane       2.0         67-66-3       Chloroethane       5.0         106-93-4       1,2-Dibromoethane (EDB)       0.50         95-50-1       1,2-Dichlorobenzene       0.50         541-73-1       1,3-Dichlorobenzene       0.50         75-34-3       1,1-Dichlorobenzene       0.50         75-34-3       1,1-Dichlorobenzene       0.50         75-71-8       Freon 12       0.50         107-06-2       1,2-Dichloroethane       0.50         107-06-2       1,2-Dichloroethene       0.50         107-06-2       1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloropropene       0.50         10061-01-5       cis-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       <   | 74-83-9    | Bromomethane                     | 5.0               |
| 56-23-5         Carbon Tetrachloride         0.50           108-90-7         Chlorobenzene         0.50           124-48-1         Dibromochloromethane         0.50           75-00-3         Chloroethane         2.0           67-66-3         Chloroethane         5.0           106-93-4         1,2-Dibromoethane (EDB)         0.50           95-50-1         1,2-Dichlorobenzene         0.50           541-73-1         1,3-Dichlorobenzene         0.50           544-73-3         1,1-Dichlorobenzene         0.50           541-73-1         1,3-Dichlorobenzene         0.50           75-34-3         1,1-Dichlorobenzene         0.50           75-71-8         Freon 12         0.50           107-06-2         1,2-Dichloroethane         0.50           107-06-2         1,2-Dichloroethene         0.50           156-60-5         trans-1,2-Dichloroethene         0.50           1066-01-5         cis-1,3-Dichloropropane         0.50           10061-01-5         cis-1,3-Dichloropropane         0.50           10061-02-6         trans-1,3-Dichloropropane         0.50           10061-02-6         trans-1,3-Dichloropropane         0.50           10061-02-6         trans-1,3-Dichloroprop  | 78-93-3    | 2-Butanone (Methyl Ethyl Ketone) | 2.0               |
| 108-90-7         Chlorobenzene         0.50           124-48-1         Dibromochloromethane         0.50           75-00-3         Chloroethane         2.0           67-66-3         Chloroform         0.50           74-87-3         Chloromethane         5.0           106-93-4         1.2-Dibromoethane (EDB)         0.50           95-50-1         1.2-Dichlorobenzene         0.50           541-73-1         1.3-Dichlorobenzene         0.50           75-34-3         1.1-Dichlorobenzene         0.50           75-71-8         Freon 12         0.50           75-34-3         1.1-Dichloroethane         0.50           75-71-8         Freon 12         0.50           75-73-4         1,1-Dichloroethane         0.50           75-35-4         1,1-Dichloroethene         0.50           75-75-5         1.2-Dichloropthene         0.50           156-60-5         trans-1,2-Dichloropthene         0.50           10061-02-6         trans-1,3-Dichloropropene         0.50           10061-02-6         trans-1,3-Dichloropropene         0.50           100-11-5         cis-1,3-Dichloropropene         0.50           100-41-4         Ethyl Benzene         0.50 <tr< td=""><td>75-15-0</td><td>Carbon Disulfide</td><td>2.0</td></tr<> | 75-15-0    | Carbon Disulfide                 | 2.0               |
| 124-48-1       Dibromochloromethane       0.50         75-00-3       Chloroethane       2.0         67-66-3       Chloroform       0.50         74-87-3       Chloromethane       5.0         106-93-4       1,2-Dibromoethane (EDB)       0.50         95-50-1       1,2-Dichlorobenzene       0.50         95-50-1       1,2-Dichlorobenzene       0.50         106-46-7       1,4-Dichlorobenzene       0.50         75-34-3       1,1-Dichlorobenzene       0.50         75-71-8       Freon 12       0.50         75-35-4       1,1-Dichloroethane       0.50         75-35-4       1,1-Dichloroethane       0.50         75-71-8       Freon 12       0.50         107-06-2       1,2-Dichloroethane       0.50         156-69-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroptopene       0.50         10061-01-5       cis-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         100-11-2       Freon 114       0.50         100-41-4       Ethyl Benzene       0.50  | 56-23-5    | Carbon Tetrachloride             | 0.50              |
| 75-00-3       Chloroethane       2.0         67-66-3       Chloroform       0.50         74-87-3       Chloromethane       5.0         106-93-4       1,2-Dibromoethane (EDB)       0.50         95-50-1       1,2-Dichlorobenzene       0.50         541-73-1       1,3-Dichlorobenzene       0.50         75-34       1,4-Dichlorobenzene       0.50         75-34-3       1,1-Dichloroethane       0.50         75-71-8       Freon 12       0.50         107-06-2       1,2-Dichloroethane       0.50         107-06-2       1,2-Dichloroethane       0.50         107-06-2       1,2-Dichloroethane       0.50         107-06-2       1,2-Dichloroethane       0.50         107-06-2       1,2-Dichloroethene       0.50         106-60-5       trans-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloropropene       0.50         10061-01-5       cis-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         100-14-4       Ethyl Benzene       0.50         100-41-4       Ethyl Benzene       0.50  | 108-90-7   | Chlorobenzene                    | 0.50              |
| 67-66-3         Chloroform         0.50           74-87-3         Chloromethane         5.0           106-93-4         1,2-Dibromoethane (EDB)         0.50           95-50-1         1,2-Dichlorobenzene         0.50           541-73-1         1,3-Dichlorobenzene         0.50           106-46-7         1,4-Dichlorobenzene         0.50           75-74-8         Freon 12         0.50           75-71-8         Freon 12         0.50           107-06-2         1,2-Dichloroethane         0.50           156-69-2         cis-1,2-Dichloroethene         0.50           156-60-5         trans-1,2-Dichloroethene         0.50           10061-01-5         cis-1,3-Dichloroethene         0.50           10061-02-6         trans-1,3-Dichloropropene         0.50           10061-02-6         trans-1,3-Dichloropropene         0.50           10061-02-6         trans-1,3-Dichloropropene         0.50           100-41-4         Ethyl Benzene         0.50           622-96-8         4-Ethyltoluene         2.0           57-08-2         Methylene Chloride         5.0           109-11         4-Methyl-2-pentanone         0.50           100-42-5         Styrene         0.50     <  | 124-48-1   | Dibromochloromethane             | 0.50              |
| 74-87-3       Chloromethane       5.0         106-93-4       1,2-Dibromoethane (EDB)       0.50         95-50-1       1,2-Dichlorobenzene       0.50         541-73-1       1,3-Dichlorobenzene       0.50         106-46-7       1,4-Dichlorobenzene       0.50         75-34-3       1,1-Dichloroethane       0.50         75-71-8       Freen 12       0.50         107-06-2       1,2-Dichloroethane       0.50         75-35-4       1,1-Dichloroethane       0.50         156-69-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroethene       0.50         10061-01-5       cis-1,3-Dichloroptopane       0.50         10061-02-6       trans-1,3-Dichloroptopene       0.50         10061-02-6       trans-1,3-Dichloroptopene       0.50         10061-02-6       trans-1,3-Dichloroptopene       0.50         100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       2.0         59-78-8-3       Hexachlorobutadiene       2.0         50-75-92       Methylene Chloride       5.0         108-80-1       4-Methyl-2-pentanone       0.50         109-42-5       Styrene       0.50<   | 75-00-3    | Chloroethane                     | 2.0               |
| 106-93-4       1,2-Dibromoethane (EDB)       0.50         95-50-1       1,2-Dichlorobenzene       0.50         541-73-1       1,3-Dichlorobenzene       0.50         106-46-7       1,4-Dichlorobenzene       0.50         75-34-3       1,1-Dichloroethane       0.50         75-71-8       Freon 12       0.50         107-06-2       1,2-Dichloroethane       0.50         75-35-4       1,1-Dichloroethene       0.50         156-59-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroethene       0.50         10061-01-5       cis-1,3-Dichloropropane       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10041-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         75-09-2       Methylene Chloride       5.0         108-10-1       4-Methyl-2-pentanone       0.50         109-42-5       Styrene       0.50         100-42-5       Styrene       0.50   | 67-66-3    | Chloroform                       | 0.50              |
| 95-50-1         1,2-Dichlorobenzene         0.50           541-73-1         1,3-Dichlorobenzene         0.50           106-46-7         1,4-Dichlorobenzene         0.50           75-34-3         1,1-Dichloroethane         0.50           75-71-8         Freon 12         0.50           107-06-2         1,2-Dichloroethane         0.50           75-35-4         1,1-Dichloroethene         0.50           107-06-2         1,2-Dichloroethene         0.50           156-59-2         cis-1,2-Dichloroethene         0.50           156-60-5         trans-1,2-Dichloroethene         0.50           10601-01-5         cis-1,3-Dichloropropane         0.50           10061-02-6         trans-1,3-Dichloropropene         0.50           10061-02-6         trans-1,3-Dichloropropene         0.50           10061-02-6         trans-1,3-Dichloropropene         0.50           100-41-4         Ethyl Benzene         0.50           622-96-8         4-Ethyltoluene         0.50           591-78-6         2-Hexanone         2.0           75-09-2         Methylee Chloride         5.0           108-10-1         4-Methyl-2-pentanone         0.50           100-42-5         Styrene         0   | 74-87-3    | Chloromethane                    | 5.0               |
| 541-73-1       1,3-Dichlorobenzene       0.50         106-46-7       1,4-Dichlorobenzene       0.50         75-34-3       1,1-Dichloroethane       0.50         75-71-8       Freen 12       0.50         107-06-2       1,2-Dichloroethane       0.50         75-35-4       1,1-Dichloroethane       0.50         156-59-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroethene       0.50         10061-01-5       cis-1,3-Dichloropropane       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10041-04-4       Ethyl Benzene       0.50         10041-04-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         108-10-1       4-Methyl-2-pentanone       0.50         100-42-5       Styrene       0.50         100-42-5       Styrene       0.50         100-42-5       Styrene       0.50         100-42-   | 106-93-4   | 1,2-Dibromoethane (EDB)          | 0.50              |
| 106-46-7       1,4-Dichlorobenzene       0.50         75-34-3       1,1-Dichloroethane       0.50         75-71-8       Freon 12       0.50         107-06-2       1,2-Dichloroethane       0.50         75-35-4       1,1-Dichloroethene       0.50         156-59-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroethene       0.50         10061-01-5       cis-1,3-Dichloropropane       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10041-41-4       Ethyl Benzene       0.50         100-41-4       Ethyl Benzene       0.50         87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         591-78-6       2-Hexanone       0.50         108-10-1       4-Methyl-2-pentanone       0.50         108-10-1       4-Methyl-2-pentanone       0.50         100-42-5       Styrene       0.50         100-42-5       Styrene       0.50         100-42-5       Styrene       0.50         1   | 95-50-1    | 1,2-Dichlorobenzene              | 0.50              |
| 75-34-3       1,1-Dichloroethane       0.50         75-71-8       Freon 12       0.50         107-06-2       1,2-Dichloroethane       0.50         75-35-4       1,1-Dichloroethene       0.50         156-59-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroethene       0.50         1061-01-5       cis-1,3-Dichloropropane       0.50         10061-01-5       cis-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         591-78-6       2-Hexanone       0.50         108-10-1       4-Methyl-2-pentanone       0.50         100-42-5       Styrene       0.50         100-42-5       Styrene       0.50         100-42-5       Styrene       0.50         100-42-5       Styrene       0.50         100-42-5 </td <td>541-73-1</td> <td>1,3-Dichlorobenzene</td> <td>0.50</td>   | 541-73-1   | 1,3-Dichlorobenzene              | 0.50              |
| 75-71-8       Freon 12       0.50         107-06-2       1,2-Dichloroethane       0.50         75-35-4       1,1-Dichloroethene       0.50         156-59-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloropropane       0.50         10061-01-5       cis-1,3-Dichloropropane       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         100-41-4       Ethyl Benzene       0.50         100-41-4       Ethyl Benzene       0.50         87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         591-78-6       2-Hexanone       0.50         108-10-1       4-Methyl-2-pentanone       0.50         108-10-1       4-Methyl-2-pentanone       0.50         100-42-5       Styrene       0.50         100-42-5       Styrene       0.50         100-42-5       Styrene       0.50         100-42-5       Styrene       0.50         102-42-   | 106-46-7   | 1,4-Dichlorobenzene              | 0.50              |
| 107-06-2       1,2-Dichloroethane       0.50         75-35-4       1,1-Dichloroethene       0.50         156-59-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroethene       0.50         10061-01-5       cis-1,3-Dichloropropane       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10041-02-6       trans-1,3-Dichloropropene       0.50         10041-02-6       trans-1,3-Dichloropropene       0.50         100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         100-42-5       Styrene       0.50         108-88-3   | 75-34-3    | 1,1-Dichloroethane               | 0.50              |
| 75-35-4       1,1-Dichloroethene       0.50         156-59-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroethene       0.50         78-87-5       1,2-Dichloropropane       0.50         10061-01-5       cis-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         100-42-5       Styrene       0.50         108-88-3       Toluene       1.0   | 75-71-8    | Freon 12                         | 0.50              |
| 156-59-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroethene       0.50         78-87-5       1,2-Dichloropropane       0.50         10061-01-5       cis-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         100-42-5       Styrene       0.50         100-42-5       Styrene       0.50         108-10-1       4-Methyl-2-pentanone       0.50         100-42-5       Styrene       0.50         100-42-5       Styrene       0.50         108-88-3       Toluene       1.0  | 107-06-2   | 1,2-Dichloroethane               | 0.50              |
| 156-60-5       trans-1,2-Dichloroethene       0.50         78-87-5       1,2-Dichloropropane       0.50         10061-01-5       cis-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         100-1-2       Freon 114       0.50         100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         100-42-5       Styrene       0.50         100-42-5       Styrene       0.50         108-10-1       4-Methyl-2-pentanone       0.50         100-42-5       Styrene       0.50         100-42-5       Styrene       0.50         127-18-4       Tetrachloroethene       0.50         128-88-3       Toluene       1.0  | 75-35-4    | 1,1-Dichloroethene               | 0.50              |
| 78-87-5       1,2-Dichloropropane       0.50         10061-01-5       cis-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         76-14-2       Freon 114       0.50         100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         100-42-5       Styrene       0.50         108-88-3       Toluene       1.0  | 156-59-2   | cis-1,2-Dichloroethene           | 0.50              |
| 10061-01-5cis-1,3-Dichloropropene0.5010061-02-6trans-1,3-Dichloropropene0.5076-14-2Freon 1140.50100-41-4Ethyl Benzene0.50622-96-84-Ethyltoluene0.5087-68-3Hexachlorobutadiene2.0591-78-62-Hexanone2.075-09-2Methylene Chloride5.0100-42-5Styrene0.5079-34-51,1,2,2-Tetrachloroethane0.50108-88-3Toluene1.0  | 156-60-5   | trans-1,2-Dichloroethene         | 0.50              |
| 10061-02-6trans-1,3-Dichloropropene0.5076-14-2Freon 1140.50100-41-4Ethyl Benzene0.50622-96-84-Ethyltoluene0.5087-68-3Hexachlorobutadiene2.0591-78-62-Hexanone2.075-09-2Methylene Chloride5.0108-10-14-Methyl-2-pentanone0.50100-42-5Styrene0.5079-34-51,1,2,2-Tetrachloroethane0.50127-18-4Tetrachloroethene0.50108-88-3Toluene1.0  | 78-87-5    | 1,2-Dichloropropane              | 0.50              |
| 76-14-2       Freon 114       0.50         100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         108-10-1       4-Methyl-2-pentanone       0.50         100-42-5       Styrene       0.50         79-34-5       1,1,2,2-Tetrachloroethane       0.50         108-88-3       Toluene       1.0   | 10061-01-5 | cis-1,3-Dichloropropene          | 0.50              |
| 100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         100-42-5       Styrene       0.50         79-34-5       1,1,2,2-Tetrachloroethane       0.50         108-88-3       Toluene       1.0   | 10061-02-6 | trans-1,3-Dichloropropene        | 0.50              |
| 622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         108-10-1       4-Methyl-2-pentanone       0.50         100-42-5       Styrene       0.50         79-34-5       1,1,2,2-Tetrachloroethane       0.50         127-18-4       Tetrachloroethene       0.50         108-88-3       Toluene       1.0  | 76-14-2    | Freon 114                        | 0.50              |
| 87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         108-10-1       4-Methyl-2-pentanone       0.50         100-42-5       Styrene       0.50         79-34-5       1,1,2,2-Tetrachloroethane       0.50         127-18-4       Tetrachloroethene       0.50         108-88-3       Toluene       1.0   | 100-41-4   | Ethyl Benzene                    | 0.50              |
| 591-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         108-10-1       4-Methyl-2-pentanone       0.50         100-42-5       Styrene       0.50         79-34-5       1,1,2,2-Tetrachloroethane       0.50         127-18-4       Tetrachloroethene       0.50         108-88-3       Toluene       1.0   | 622-96-8   | 4-Ethyltoluene                   | 0.50              |
| 75-09-2     Methylene Chloride     5.0       108-10-1     4-Methyl-2-pentanone     0.50       100-42-5     Styrene     0.50       79-34-5     1,1,2,2-Tetrachloroethane     0.50       127-18-4     Tetrachloroethene     0.50       108-88-3     Toluene     1.0   | 87-68-3    | Hexachlorobutadiene              | 2.0               |
| 108-10-14-Methyl-2-pentanone0.50100-42-5Styrene0.5079-34-51,1,2,2-Tetrachloroethane0.50127-18-4Tetrachloroethene0.50108-88-3Toluene1.0  | 591-78-6   | 2-Hexanone                       | 2.0               |
| 100-42-5         Styrene         0.50           79-34-5         1,1,2,2-Tetrachloroethane         0.50           127-18-4         Tetrachloroethene         0.50           108-88-3         Toluene         1.0   | 75-09-2    | Methylene Chloride               | 5.0               |
| 79-34-51,1,2,2-Tetrachloroethane0.50127-18-4Tetrachloroethene0.50108-88-3Toluene1.0   | 108-10-1   | 4-Methyl-2-pentanone             | 0.50              |
| 127-18-4     Tetrachloroethene     0.50       108-88-3     Toluene     1.0  | 100-42-5   | Styrene                          | 0.50              |
| 108-88-3 Toluene 1.0  | 79-34-5    | 1,1,2,2-Tetrachloroethane        | 0.50              |
|   | 127-18-4   | Tetrachloroethene                | 0.50              |
| 120-82-1 1,2,4-Trichlorobenzene 2.0   | 108-88-3   | Toluene                          | 1.0               |
|   | 120-82-1   | 1,2,4-Trichlorobenzene           | 2.0               |
| 71-55-6 1,1,1-Trichloroethane 0.50  | 71-55-6    | 1,1,1-Trichloroethane            | 0.50              |

#### Method : TO-15 (Sp)-Eurofins TA (CEC, OK)

**Released to Imaging: 6/17/2025 9:46:51 AM** 

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Air Toxics

| CAS Number    | Compound               | Rpt. Limit (ppbv) |  |
|---------------|------------------------|-------------------|--|
| 79-00-5       | 1,1,2-Trichloroethane  | 0.50              |  |
| 79-01-6       | Trichloroethene        | 0.50              |  |
| 75-69-4       | Freon 11               | 0.50              |  |
| 76-13-1       | Freon 113              | 0.50              |  |
| 95-63-6       | 1,2,4-Trimethylbenzene | 0.50              |  |
| 108-67-8      | 1,3,5-Trimethylbenzene | 0.50              |  |
| 108-05-4      | Vinyl Acetate          | 2.0               |  |
| 75-01-4       | Vinyl Chloride         | 0.50              |  |
| 108-38-3      | m,p-Xylene             | 1.0               |  |
| 95-47-6       | o-Xylene               | 0.50              |  |
| 9999-9999-500 | TVOC Ref. to Hexane    | 10                |  |

| CAS Number | Surrogate             | Method Limits |  |
|------------|-----------------------|---------------|--|
| 2037-26-5  | Toluene-d8            | 70-130        |  |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 70-130        |  |
| 460-00-4   | 4-Bromofluorobenzene  | 70-130        |  |

#### Method : TO-15 (Sp)-Eurofins TA (CEC, OK)

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Job Number: 180-176226-1 SDG Number: Property ID: 891077

List Source: Eurofins Pittsburgh

#### Login Sample Receipt Checklist

Client: Chesapeake Energy Corporation

#### Login Number: 176226 List Number: 1 Creator: Hayes, Ken

| Question   | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td></td> <td></td> |        |         |
| The cooler's custody seal, if present, is intact.  |        |         |
| Sample custody seals, if present, are intact.  |        |         |
| The cooler or samples do not appear to have been compromised or tampered with.                         |        |         |
| Samples were received on ice.  |        |         |
| Cooler Temperature is acceptable.  |        |         |
| Cooler Temperature is recorded.  |        |         |
| COC is present.  |        |         |
| COC is filled out in ink and legible.  |        |         |
| COC is filled out with all pertinent information.  |        |         |
| Is the Field Sampler's name present on COC?  |        |         |
| There are no discrepancies between the containers received and the COC.                                |        |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)                          |        |         |
| Sample containers have legible labels.   |        |         |
| Containers are not broken or leaking.  |        |         |
| Sample collection date/times are provided.   |        |         |
| Appropriate sample containers are used.  |        |         |
| Sample bottles are completely filled.  |        |         |
| Sample Preservation Verified.  |        |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs                       |        |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").                        |        |         |
| Multiphasic samples are not present.   |        |         |
| Samples do not require splitting or compositing.   |        |         |
| Residual Chlorine Checked.   |        |         |



**Environment Testing** 

# **ANALYTICAL REPORT**

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# **PREPARED FOR**

Attn: Chase Acker Chesapeake Energy Corporation PO BOX 548806 Oklahoma City, Oklahoma 73154 Generated 9/24/2024 5:15:39 PM

## JOB DESCRIPTION

CHK STATE M Property ID: 891077

## **JOB NUMBER**

180-179880-1

Eurofins Pittsburgh 301 Alpha Drive RIDC Park Pittsburgh PA 15238

See page two for job notes and contact information



# **Eurofins Pittsburgh**

**Job Notes** 

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

**Authorization** 

Kunth Hay

Generated 9/24/2024 5:15:39 PM

Authorized for release by Ken Hayes, Project Manager II Ken.Hayes@et.eurofinsus.com (615)301-5035

Page 2 of 28

Laboratory Job ID: 180-179880-1 SDG: Property ID: 891077

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2

#### **Case Narrative**

Client: Chesapeake Energy Corporation Project: CHK STATE M

### Job ID: 180-179880-1

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**Eurofins Pittsburgh** 

Job ID: 180-179880-1

#### Job Narrative 180-179880-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The sample was received on 9/17/2024 2:43 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

#### Subcontract Work

Method TO 15: This method was subcontracted to Eurofins Air Toxics, Inc. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

**Eurofins Pittsburgh** 

Glossary Abbreviation

¤ %R

CFL

CFU

CNF

DER

DL

DLC

EDL

Dil Fac

DL, RA, RE, IN

#### **Definitions/Glossary**

Client: Chesapeake Energy Corporation Project/Site: CHK STATE M

Job ID: 180-179880-1

| CHK STATE M SDG: Property ID: 891   |  |          |  |
|---|--|----------|--|
|   |  |          |  |
| These commonly used abbreviations may or may not be present in this report.                                 |  |          |  |
| Listed under the "D" column to designate that the result is reported on a dry weight basis                  |  | 4        |  |
| Percent Recovery  |  |          |  |
| Contains Free Liquid  |  | 5        |  |
| Colony Forming Unit   |  |          |  |
| Contains No Free Liquid   |  | 6        |  |
| Duplicate Error Ratio (normalized absolute difference)  |  | 0        |  |
| Dilution Factor   |  | -7       |  |
| Detection Limit (DoD/DOE)   |  |          |  |
| Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |  |          |  |
| Decision Level Concentration (Radiochemistry)   |  | <b>B</b> |  |
| Estimated Detection Limit (Dioxin)  |  |          |  |
| Limit of Detection (DoD/DOE)  |  | 9        |  |
| Limit of Quantitation (DoD/DOE)   |  |          |  |
| EPA recommended "Maximum Contaminant Level"   |  |          |  |
| Minimum Detectable Activity (Radiochemistry)  |  |          |  |
| Ministry Data stable Organization (Dellis Londates)   |  |          |  |

| LOD  | Limit of Detection (DoD/DOE)   |
|------|--|
| LOQ  | Limit of Quantitation (DoD/DOE)  |
| MCL  | EPA recommended "Maximum Contaminant Level"  |
| MDA  | Minimum Detectable Activity (Radiochemistry)   |
| MDC  | Minimum Detectable Concentration (Radiochemistry)                                    |
| MDL  | Method Detection Limit   |
| ML   | Minimum Level (Dioxin)   |
| MPN  | Most Probable Number   |
| MQL  | Method Quantitation Limit  |
| NC   | Not Calculated   |
| ND   | Not Detected at the reporting limit (or MDL or EDL if shown)                         |
| NEG  | Negative / Absent  |
| POS  | Positive / Present   |
| PQL  | Practical Quantitation Limit   |
| PRES | Presumptive  |
| QC   | Quality Control  |
| RER  | Relative Error Ratio (Radiochemistry)  |
| RL   | Reporting Limit or Requested Limit (Radiochemistry)                                  |
| RPD  | Relative Percent Difference, a measure of the relative difference between two points |
| TEF  | Toxicity Equivalent Factor (Dioxin)  |
| TEQ  | Toxicity Equivalent Quotient (Dioxin)  |
| TNTC | Too Numerous To Count  |

#### **Sample Summary**

Client: Chesapeake Energy Corporation Project/Site: CHK STATE M

Job ID: 180-179880-1 SDG: Property ID: 891077

| l ah Samplo ID                | Client Sample ID | Matrix | Collected | Received       |  |
|-------------------------------|------------------|--------|-----------|----------------|--|
| Lab Sample ID<br>180-179880-1 | 20240906M-1      | Air    |           | 09/17/24 14:43 |  |
|                               |                  |        |           |                |  |
|                               |                  |        |           |                |  |
|                               |                  |        |           |                |  |
|                               |                  |        |           |                |  |
|                               |                  |        |           |                |  |

#### **Method Summary**

#### Client: Chesapeake Energy Corporation Project/Site: CHK STATE M

Job ID: 180-179880-1 SDG: Property ID: 891077

| Method | Method Description | Protocol | Laboratory |     |
|--------|--------------------|----------|------------|-----|
| TO-15  | TO-15              | EPA      | Eurofins   | - 1 |

#### **Protocol References:**

EPA = US Environmental Protection Agency

#### Laboratory References:

Eurofins = Eurofins Air Toxics, 180 Blue Ravine Road, Suite B, Folsom, CA 95630

**Eurofins Pittsburgh** 

Received by OCD: 6/4/2025 10:09:49 AM

6 7 8



#### **Air Toxics**

9/24/2024 Mr. Ken Hayes Eurofins Environment Testing 301 Alpha Dr.

Pittsburgh PA 15238

Project Name: CHKSTATM Project #: CHKSTATM Workorder #: 2409263

Dear Mr. Ken Hayes

The following report includes the data for the above referenced project for sample(s) received on 9/10/2024 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Brian Whittaker at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Brian Whettaker

Brian Whittaker Project Manager

Eurofins Air Toxics, LLC

180 Blue Ravine Road, Suite B Folsom, CA 95630

T 916-985-1000 F 916-351-8279 www.airtoxics.com

# 7

**Air Toxics** 

#### **WORK ORDER #:** 2409263

#### Work Order Summary

| CLIENT:                           | Mr. Ken Hayes<br>Eurofins Environment Testing<br>301 Alpha Dr.<br>Pittsburgh, PA 15238 | BILL TO:      | Mr. Ken Hayes<br>Eurofins Environment Testing<br>301 Alpha Dr.<br>Pittsburgh, PA 15238 |
|-----------------------------------|--|---------------|--|
| PHONE:                            |  | <b>P.O.</b> # | 180-179880-1   |
| FAX:                              |  | PROJECT #     | CHKSTATM CHKSTATM  |
| DATE RECEIVED:<br>DATE COMPLETED: | 09/10/2024<br>09/24/2024   | CONTACT:      | Brian Whittaker  |

|            |             |             | RECEIPT    | FINAL    |
|------------|-------------|-------------|------------|----------|
| FRACTION # | NAME        | <u>TEST</u> | VAC./PRES. | PRESSURE |
| 01A        | 20240906M-1 | TO-15       | 13.7 "Hg   | 1.9 psi  |
| 02A        | Lab Blank   | TO-15       | NA         | NA       |
| 03A        | CCV         | TO-15       | NA         | NA       |
| 04A        | LCS         | TO-15       | NA         | NA       |
| 04AA       | LCSD        | TO-15       | NA         | NA       |
|            |             |             |            |          |

CERTIFIED BY:

Lay Lera

09/24/24 DATE:

**Technical Director** 

Cert. No.: AZ Licensure-AZ0775, FL NELAP-E87680, LA NELAP-02089, MN NELAP-2703122, NH NELAP-209223-B, NJ NELAP-CA016, NY NELAP-11291, TX NELAP-T104704434, UT NELAP-CA009332023-16, VA NELAP-12695, WA NELAP-C935 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-20 Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

> This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC. 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630 (916) 985-1000

Page 2 of 16 Page 9 of 28
Air Toxics

# LABORATORY NARRATIVE EPA Method TO-15 Eurofins Environment Testing Workorder# 2409263

One 6 Liter Summa Canister sample was received on September 10, 2024. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

# **Receiving Notes**

There were no receiving discrepancies.

# **Analytical Notes**

A single point calibration for TVOC (Total Volatile Organic Compounds) referenced to Hexane was performed for each daily analytical batch. Recovery is reported as 100% in the associated results for each CCV.

TVOC (Total Volatile Organic Compounds) referenced to Hexane includes area counts for peaks that elute from Hexane minus 0.08 minutes to Naphthalene plus 0.08 minutes and quantitating the area based on the response factor of Hexane.

The presence of a closely eluting non-target peak in sample 20240906M-1 is interfering with the quantitation mass ion for 4-Ethyltoluene. The reported 4-Ethyltoluene concentration is flagged with a "CN" flag to indicate a high bias due to matrix contribution.

# **Definition of Data Qualifying Flags**

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

- J Estimated value.
- E Exceeds instrument calibration range.
- S Saturated peak.
- Q Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

# 1 2 3 4 5 6 7 8 9

# Air Toxics

# Summary of Detected Compounds EPA METHOD TO-15 GC/MS FULL SCAN

# Client Sample ID: 20240906M-1

Lab ID#: 2409263-01A

| Compound               | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|------------------------|----------------------|------------------|-----------------------|-------------------|
| 4-Ethyltoluene         | 1.0                  | 1.7 CN           | 5.1                   | 8.5 CN            |
| 1,2,4-Trimethylbenzene | 1.0                  | 1.1              | 5.1                   | 5.3               |
| 1,3,5-Trimethylbenzene | 1.0                  | 1.6              | 5.1                   | 8.0               |
| TVOC Ref. to Hexane    | 21                   | 2800             | 73                    | 9900              |

**Air Toxics** 

# Client Sample ID: 20240906M-1 Lab ID#: 2409263-01A EPA METHOD TO-15 GC/MS FULL SCAN

| CompoundRpt. Limit<br>(ppbv)Amount<br>(ug/m3)Amount<br>(ug/m3)Amount<br>(ug/m3)Acetone10Not Detected25Not DetectedBenzene1.0Not Detected3.3Not Detectedalpha-Chioroblene1.0Not Detected5.4Not DetectedBromodichloromethane1.0Not Detected7.0Not DetectedBromodichloromethane1.0Not Detected11Not DetectedBromodichloromethane1.0Not Detected12Not DetectedBromodichloromethane1.0Not Detected13Not DetectedCarbon Tetrachloride1.0Not Detected13Not DetectedCarbon Tetrachloride1.0Not Detected6.5Not DetectedChiorobenzene1.0Not Detected6.8Not DetectedChiorobenzene1.0Not Detected5.1Not DetectedChiorotorom1.0Not Detected5.1Not DetectedChiorobenzene1.0Not Detected6.2Not Detected1.2-Dichorobenzene1.0Not Detected6.2Not Detected1.2-Dichorobenzene1.0Not Detected6.2Not Detected1.3-Dichorobenzene1.0Not Detected6.2Not Detected1.4-Dichorobenzene1.0Not Detected6.2Not Detected1.2-Dichorobenzene1.0Not Detected4.2Not Detected1.2-Dichorobenzene1.0Not Detected4.2Not Detected <t< th=""><th>File Name:<br/>Dil. Factor:</th><th>3092022<br/>2.08</th><th colspan="3">Date of Collection: 9/6/24 11:40:00 AM<br/>Date of Analysis: 9/21/24 12:34 AM</th></t<> | File Name:<br>Dil. Factor:       | 3092022<br>2.08 | Date of Collection: 9/6/24 11:40:00 AM<br>Date of Analysis: 9/21/24 12:34 AM |            |              |
|---|----------------------------------|-----------------|--|------------|--------------|
| Benzene1.0Not Detected3.3Not Detectedalpha-Chlorotoluene1.0Not Detected5.4Not DetectedBromodichoromethane1.0Not Detected7.0Not DetectedBromodrom1.0Not Detected11Not DetectedBromodrom1.0Not Detected12Not DetectedBromodrom1.0Not Detected12Not DetectedCarbon Disulfide4.2Not Detected13Not DetectedCarbon Tetrachloride1.0Not Detected6.5Not DetectedChlorobenzene1.0Not Detected8.8Not DetectedChlorobenzene1.0Not Detected7.1Not DetectedChlorobenzene1.0Not Detected7.1Not DetectedChlorobenzene1.0Not Detected5.1Not DetectedChlorobenzene1.0Not Detected2.1Not Detected1.2-Dibromothane (EDB)1.0Not Detected6.2Not Detected1.2-Dibromothane1.0Not Detected6.2Not Detected1.3-Dichlorobenzene1.0Not Detected6.2Not Detected1.4-Dichlorobenzene1.0Not Detected4.2Not Detected1.2-Dichlorobenzene1.0Not Detected4.2Not Detected1.2-Dichloroethane1.0Not Detected4.2Not Detected1.2-Dichloroethane1.0Not Detected4.2Not Detected1.2-Dichloroethane1.0Not Detecte  | Compound                         |                 | Amount   | Rpt. Limit | Amount       |
| alpha-Chlorotoluene1.0Not Detected5.4Not DetectedBromodichloromethane1.0Not Detected7.0Not DetectedBromoorm1.0Not Detected11Not DetectedBromoorm1.0Not Detected12Not Detected2-Butanone (Methyl Ethyl Ketone)4.2Not Detected13Not DetectedCarbon Disulfide4.2Not Detected13Not DetectedCarbon Disulfide1.0Not Detected6.5Not DetectedCarbon Disulfide1.0Not Detected8.8Not DetectedChlorobenzane1.0Not Detected8.8Not DetectedChloroethane1.0Not Detected1.1Not DetectedChloroethane1.0Not Detected2.1Not DetectedChloroethane1.0Not Detected2.1Not Detected1.2-Dichlorobenzene1.0Not Detected8.0Not Detected1.2-Dichlorobenzene1.0Not Detected6.2Not Detected1.3-Dichlorobenzene1.0Not Detected6.2Not Detected1.4-Dichlorobenzene1.0Not Detected4.2Not Detected1.4-Dichloroethane1.0Not Detected4.2Not Detected1.5-Dichloroethane1.0Not Detected4.2Not Detected1.4-Dichloroethane1.0Not Detected4.2Not Detected1.5-Dichloroethane1.0Not Detected4.1Not Detected1.6-Dichloroethane <td>Acetone</td> <td>10</td> <td>Not Detected</td> <td>25</td> <td>Not Detected</td>   | Acetone                          | 10              | Not Detected   | 25         | Not Detected |
| Bromodichloromethane1.0Not Detected7.0Not DetectedBromordorm1.0Not Detected11Not DetectedBromonethane10Not Detected40Not DetectedBromonethane10Not Detected12Not DetectedCarbon Disulfide4.2Not Detected13Not DetectedCarbon Tetrachloride1.0Not Detected6.5Not DetectedCarbon Tetrachloride1.0Not Detected8.8Not DetectedChlorobenzene1.0Not Detected8.8Not DetectedChloromethane1.0Not Detected5.1Not DetectedChloromethane1.0Not Detected5.1Not DetectedChloromethane1.0Not Detected6.2Not Detected1.2-Dichlorobenzene1.0Not Detected6.2Not Detected1.2-Dichlorobenzene1.0Not Detected6.2Not Detected1.3-Dichlorobenzene1.0Not Detected4.2Not Detected1.4-Dichlorobenzene1.0Not Detected4.2Not Detected1.4-Dichlorobenzene1.0Not Detected4.2Not Detected1.4-Dichlorobenzene1.0Not Detected4.2Not Detected1.4-Dichloroethane1.0Not Detected4.2Not Detected1.2-Dichloroethane1.0Not Detected4.2Not Detected1.2-Dichloroethene1.0Not Detected4.1Not Detected1.2-Dichloroethene <td< td=""><td>Benzene</td><td>1.0</td><td>Not Detected</td><td>3.3</td><td>Not Detected</td></td<>  | Benzene                          | 1.0             | Not Detected   | 3.3        | Not Detected |
| Bromoform1.0Not Detected11Not DetectedBromomethane10Not Detected40Not Detected2-Butanone (Methyl Ethyl Ketone)4.2Not Detected12Not DetectedCarbon Disulfide4.2Not Detected13Not DetectedCarbon Tetrachloride1.0Not Detected4.8Not DetectedChlorobenzene1.0Not Detected4.8Not DetectedDibromochloromethane1.0Not Detected5.4Not DetectedChlorobertane4.2Not Detected5.1Not DetectedChlorobertane1.0Not Detected6.2Not DetectedChlorobertane1.0Not Detected6.2Not DetectedChlorobertane1.0Not Detected6.2Not Detected1,2-Dichlorobenzene1.0Not Detected6.2Not Detected1,2-Dichlorobenzene1.0Not Detected4.2Not Detected1,2-Dichlorobenzene1.0Not Detected4.2Not Detected1,2-Dichlorobenzene1.0Not Detected4.2Not Detected1,2-Dichlorobenzene1.0Not Detected4.2Not Detected1,2-Dichlorobenzene1.0Not Detected4.2Not Detected1,2-Dichlorobenzene1.0Not Detected4.2Not Detected1,2-Dichlorobenzene1.0Not Detected4.1Not Detected1,2-Dichlorobenzene1.0Not Detected4.1Not Detected1,2-Dichlo  | alpha-Chlorotoluene              | 1.0             | Not Detected   | 5.4        | Not Detected |
| Bromomethane10Not Detected40Not Detected2-Butanone (Methyl Ethyl Ketone)4.2Not Detected12Not DetectedCarbon Disuffide4.2Not Detected13Not DetectedCarbon Disuffide1.0Not Detected6.5Not DetectedChronobenzene1.0Not Detected8.8Not DetectedDibromochloromethane4.2Not Detected11Not DetectedChloroethane4.2Not Detected5.1Not DetectedChloroethane1.0Not Detected8.8Not DetectedChloroethane1.0Not Detected5.1Not DetectedChloroethane1.0Not Detected8.0Not Detected1,2-Dibromoethane (EDB)1.0Not Detected6.2Not Detected1,2-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichloroethane1.0Not Detected4.2Not Detected1,2-Dichloroethane1.0Not Detected4.2Not Detected1,2-Dichloroethane1.0Not Detected4.2Not Detected1,2-Dichloroethane1.0Not Detected4.2Not Detected1,2-Dichloroethane1.0Not Detected4.1Not Detected1,2-Dichloroethane1.0Not Detected4.1Not Detected1,2-Dichloroethane1.0Not Detected4.1Not Detected1,2-Dichlor  | Bromodichloromethane             | 1.0             | Not Detected   | 7.0        | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone)4.2Not Detected12Not DetectedCarbon Disulfide4.2Not Detected13Not DetectedCarbon Tetrachloride1.0Not Detected6.5Not DetectedChlorobenzene1.0Not Detected4.8Not DetectedDibromochloromethane1.0Not Detected8.8Not DetectedChlorobertane4.2Not Detected5.1Not DetectedChlorobertane1.0Not Detected5.1Not DetectedChlorobertane1.0Not Detected5.1Not DetectedChloroberzene1.0Not Detected6.2Not Detected1,2-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected5.1Not Detected1,4-Dichlorobenzene1.0Not Detected4.2Not Detected1,4-Dichloroethane1.0Not Detected4.1Not Detected1,2-Dichloroethane1.0Not Detected4.1Not Detected1,2-Dichloroethane1.0Not Detected4.1Not Detected1,2-Dichloroethane1.0Not Detected4.1Not Detected1,2-Dichloroethane1.0Not Detected4.1Not Detected1,2-Dichloroethane1.0Not Detected4.1Not Detected <tr<< td=""><td>Bromoform</td><td>1.0</td><td>Not Detected</td><td>11</td><td>Not Detected</td></tr<<>   | Bromoform                        | 1.0             | Not Detected   | 11         | Not Detected |
| Carbon Disulfide4.2Not Detected13Not DetectedCarbon Tetrachloride1.0Not Detected6.5Not DetectedChlorobenzene1.0Not Detected4.8Not DetectedDibromochloromethane1.0Not Detected8.8Not DetectedChlorobenzene1.0Not Detected1.1Not DetectedChloroethane4.2Not Detected1.1Not DetectedChloroform1.0Not Detected2.1Not Detected1,2-Dibromoethane (EDB)1.0Not Detected6.2Not Detected1,2-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected5.1Not Detected1,4-Dichlorobenzene1.0Not Detected5.1Not Detected1,4-Dichloroethane1.0Not Detected5.1Not Detected1,2-Dichloroethane1.0Not Detected4.2Not Detected1,2-Dichloroethane1.0Not Detected4.1Not Detected1,2-Dichloroethane1.0Not Detected4.1Not Detected1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloroptene1.0Not Detected4.1Not Detected1,2-Dichloroptene1.0Not Detected4.1Not Detected1,2-Dichloroptene1.0Not Detected4.7Not Detected1,2-Dic  | Bromomethane                     | 10              | Not Detected   | 40         | Not Detected |
| Carbon Disulfide4.2Not Detected13Not DetectedCarbon Tetrachloride1.0Not Detected6.5Not DetectedChlorobenzene1.0Not Detected4.8Not DetectedDibromochloromethane1.0Not Detected8.8Not DetectedChlorobenzene1.0Not Detected5.1Not DetectedChloroothane4.2Not Detected2.1Not DetectedChloroothane10Not Detected2.1Not DetectedChloroothane10Not Detected6.2Not Detected1,2-Dichlorobenzene1.0Not Detected6.2Not Detected1,3-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected5.1Not Detected1,4-Dichloroethane1.0Not Detected4.2Not Detected1,2-Dichloroethane1.0Not Detected4.2Not Detected1,2-Dichloroethane1.0Not Detected4.2Not Detected1,2-Dichloroethane1.0Not Detected4.1Not Detected1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloroppane1.0Not Detected4.1Not Detected1,2-Dichloroppopene1.0Not Detected4.7Not Detected1,3-Dichloroppopene1.0Not Detected4.7Not Detected1,4-Entytoluen  | 2-Butanone (Methyl Ethyl Ketone) | 4.2             | Not Detected   | 12         | Not Detected |
| Chlorobenzene1.0Not Detected4.8Not DetectedDibromochloromethane1.0Not Detected6.8Not DetectedChloroothane4.2Not Detected11Not DetectedChloroform1.0Not Detected5.1Not DetectedChlorobrem10Not Detected21Not Detected1,2-Dichlorobenzene1.0Not Detected6.2Not Detected1,3-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected6.2Not Detected1,2-Dichlorobenzene1.0Not Detected6.2Not Detected1,2-Dichlorobenzene1.0Not Detected5.1Not Detected1,2-Dichloroethane1.0Not Detected4.2Not Detected1,2-Dichloroethane1.0Not Detected4.1Not Detected1,2-Dichloroethane1.0Not Detected4.1Not Detected1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloropthene1.0Not Detected4.3Not Detected1,2-Dichloropthene1.0Not Detected4.4Not Detected1,2-Dichloropthene1.0Not Detected4.4Not Detected1,2-Dichloropthene1.0Not Detected4.5Not Detected1,2-Dichloropthene1.0Not Detected4.5Not Detected1,2-Dichloro  |                                  | 4.2             | Not Detected   | 13         | Not Detected |
| Dibromochloromethane1.0Not Detected8.8Not DetectedChloroethane4.2Not Detected11Not DetectedChloroform1.0Not Detected5.1Not DetectedChloromethane10Not Detected21Not Detected1.2-Dibromoethane (EDB)1.0Not Detected8.0Not Detected1.3-Dichlorobenzene1.0Not Detected6.2Not Detected1.4-Dichlorobenzene1.0Not Detected6.2Not Detected1.4-Dichlorobenzene1.0Not Detected6.2Not Detected1.4-Dichlorobenzene1.0Not Detected6.2Not Detected1.4-Dichlorobenzene1.0Not Detected4.2Not Detected1.4-Dichloroethane1.0Not Detected4.2Not Detected1.2-Dichloroethane1.0Not Detected4.1Not Detected1.2-Dichloroethene1.0Not Detected4.1Not Detected1.2-Dichloroethene1.0Not Detected4.1Not Detected1.2-Dichloroethene1.0Not Detected4.7Not Detected1.2-Dichloropropane1.0Not Detected4.7Not Detected1.2-Dichloropropane1.0Not Detected4.7Not Detected1.3-Dichloropropene1.0Not Detected4.5Not Detected4-Ethyltoluene1.0Not Detected4.5Not Detected4-Ethyltoluene1.0Not Detected4.5Not Detected4-Eth  | Carbon Tetrachloride             | 1.0             | Not Detected   | 6.5        | Not Detected |
| Chloroethane4.2Not Detected11Not DetectedChloroform1.0Not Detected5.1Not DetectedChloromethane (EDB)1.0Not Detected21Not Detected1,2-Dichlorobenzene1.0Not Detected6.2Not Detected1,3-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected6.2Not Detected1,1-Dichloroethane1.0Not Detected4.2Not Detected1,2-Dichloroethane1.0Not Detected4.2Not Detected1,2-Dichloroethane1.0Not Detected4.2Not Detected1,2-Dichloroethane1.0Not Detected4.1Not Detected1,2-Dichloroethane1.0Not Detected4.1Not Detected1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloropropane1.0Not Detected4.7Not Detected1,3-Dichloropropene1.0Not Detected7.3Not Detected1,3-Dichloropropene1.0Not Detected4.5Not Detected1,3-Dichloropropene1.0Not Detected7.3Not Detected1,3-Dichloropropene1.0Not Detected7.3Not Detected1,3-Dichloropropene1.0Not Detected7.3Not Detected <tr< td=""><td>Chlorobenzene</td><td>1.0</td><td>Not Detected</td><td>4.8</td><td>Not Detected</td></tr<>   | Chlorobenzene                    | 1.0             | Not Detected   | 4.8        | Not Detected |
| Chloroform1.0Not Detected5.1Not DetectedChloromethane10Not Detected21Not Detected1,2-Dichlorobenzene1.0Not Detected8.0Not Detected1,3-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected4.2Not Detected1,2-Dichlorobenzene1.0Not Detected4.2Not Detected1,2-Dichloroethane1.0Not Detected4.2Not Detected1,2-Dichloroethane1.0Not Detected4.1Not Detected1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloropropane1.0Not Detected4.1Not Detected1,2-Dichloropropane1.0Not Detected4.7Not Detected1,3-Dichloropropane1.0Not Detected4.7Not Detected1,4-Ethyltoluene1.0Not Detected4.7Not Detected1,2-Dichloropropane1.0Not Detected4.7Not Detected1,2-Dichloropropane1.0Not Detected4.7Not Detected1,4-Ethyltoluene1.0Not Detected4.7Not Detected<  | Dibromochloromethane             | 1.0             | Not Detected   | 8.8        | Not Detected |
| Chloromethane10Not Detected21Not Detected1,2-Dichlorobenzene1.0Not Detected8.0Not Detected1,3-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected6.2Not Detected1,1-Dichloroethane1.0Not Detected4.2Not Detected1,2-Dichloroethane1.0Not Detected4.2Not Detected1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloropropane1.0Not Detected4.1Not Detected1,3-Dichloropropene1.0Not Detected4.7Not Detected1,4-Eichloropropene1.0Not Detected4.7Not Detected1,4-Eichloropropene1.0Not Detected4.7Not Detected1,4-Eichloropropene1.0Not Detected4.7Not Detected1,4-Eichloropropene1.0Not Detected4.7Not Detected1,4-Eichloropropene1.0Not Detected4.7Not Detected1,4-Eichloropropene1.0Not Detected4.7Not Detected </td <td>Chloroethane</td> <td>4.2</td> <td>Not Detected</td> <td>11</td> <td>Not Detected</td>  | Chloroethane                     | 4.2             | Not Detected   | 11         | Not Detected |
| 1,2-Dibromoethane (EDB)1.0Not Detected8.0Not Detected1,2-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected4.2Not Detected1,1-Dichloroethane1.0Not Detected4.2Not Detected1,2-Dichloroethane1.0Not Detected4.2Not Detected1,2-Dichloroethane1.0Not Detected4.1Not Detected1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloropthene1.0Not Detected4.1Not Detected1,2-Dichloropropane1.0Not Detected4.7Not Detected1,3-Dichloropropene1.0Not Detected4.7Not Detected1,3-Dichloropropene1.0Not Detected4.7Not Detected1,3-Dichloropropene1.0Not Detected4.5Not Detected4-EthylBenzene1.0Not Detected4.5Not Detected4-EthylBurene1.0Not Detected4.4Not Detected2-Hexanone4.2Not Detected3.6Not Detected4-EthylBurene1.0Not Detected3.6Not Detected <td< td=""><td>Chloroform</td><td>1.0</td><td>Not Detected</td><td>5.1</td><td>Not Detected</td></td<>  | Chloroform                       | 1.0             | Not Detected   | 5.1        | Not Detected |
| 1,2-Dichlorobenzene1.0Not Detected6.2Not Detected1,3-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected6.2Not Detected1,1-Dichloroethane1.0Not Detected4.2Not Detected1,2-Dichloroethane1.0Not Detected5.1Not Detected1,2-Dichloroethane1.0Not Detected4.2Not Detected1,2-Dichloroethane1.0Not Detected4.1Not Detected1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloropthene1.0Not Detected4.1Not Detected1,2-Dichloroptopane1.0Not Detected4.8Not Detectedcis-1,3-Dichloropropane1.0Not Detected4.7Not Detectedfreon 1141.0Not Detected7.3Not DetectedthylBenzene1.01.7 CN5.18.5 CNHexachlorobutadiene4.2Not Detected4.4Not Detected4-EthylBunzene1.0Not Detected4.3Not Detected4-EthylBunzene1.0Not Detected4.4Not Detected2-Hexanone4.2Not Detected4.4Not Detected4-EthylBunzene1.0Not Detected4.4Not Detected4-EthylBunzene1.0Not Detected4.4Not Detected4-EthylBunzene1.0<  | Chloromethane                    | 10              | Not Detected   | 21         | Not Detected |
| 1,2-Dichlorobenzene1.0Not Detected6.2Not Detected1,3-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected6.2Not Detected1,1-Dichloroethane1.0Not Detected6.2Not Detected1,2-Dichloroethane1.0Not Detected4.2Not Detected1,2-Dichloroethane1.0Not Detected4.1Not Detected1,2-Dichloroethane1.0Not Detected4.1Not Detected1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloropthene1.0Not Detected4.1Not Detected1,2-Dichloroptopane1.0Not Detected4.8Not Detected1,3-Dichloropropene1.0Not Detected4.7Not Detected1,3-Dichloropropene1.0Not Detected4.7Not Detected1,4-Ehytloulene1.0Not Detected4.5Not Detected4-Ehytloulene1.01.7 CN5.18.5 CNHexachlorobutadiene4.2Not Detected3.6Not Detected4-Ehytloulene1.0Not Detected4.4Not Detected4-Ehytloulene1.0Not Detected4.4Not Detected2-Hexanone4.2Not Detected3.6Not Detected4-Ehytloulene1.0Not Detected4.4Not Detected4-Ehytlouene1.0 </td <td>1,2-Dibromoethane (EDB)</td> <td>1.0</td> <td>Not Detected</td> <td>8.0</td> <td>Not Detected</td>   | 1,2-Dibromoethane (EDB)          | 1.0             | Not Detected   | 8.0        | Not Detected |
| 1,3-Dichlorobenzene1.0Not Detected6.2Not Detected1,4-Dichlorobenzene1.0Not Detected6.2Not Detected1,1-Dichloroethane1.0Not Detected4.2Not DetectedFreon 121.0Not Detected5.1Not Detected1,2-Dichloroethane1.0Not Detected4.2Not Detected1,2-Dichloroethene1.0Not Detected4.1Not Detectedcis-1,2-Dichloroethene1.0Not Detected4.1Not Detectedrans-1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloroptopane1.0Not Detected4.3Not Detected1,3-Dichloropropene1.0Not Detected4.7Not Detectedrans-1,3-Dichloropropene1.0Not Detected4.7Not Detectedtrans-1,3-Dichloropropene1.0Not Detected7.3Not Detectedtrans-1,3-Dichloropropene1.0Not Detected4.5Not Detectedtrans-1,3-Dichloropropene1.0Not Detected4.5Not Detectedtrans-1,3-Dichloropropene1.0Not Detected4.5Not Detectedtrans-1,3-Dichloropropene1.0Not Detected4.7Not Detectedtrans-1,3-Dichloropropene1.0Not Detected4.5Not Detectedtrans-1,3-Dichloropropene1.0Not Detected4.5Not Detectedtrans-1,3-Dichloropropene1.0Not Detected4.5Not Detectedtrans-1,3-Dichlorobutadiene  |                                  | 1.0             | Not Detected   | 6.2        | Not Detected |
| 1,4-Dichlorobenzene1.0Not Detected6.2Not Detected1,1-Dichloroethane1.0Not Detected4.2Not DetectedFreon 121.0Not Detected5.1Not Detected1,2-Dichloroethane1.0Not Detected4.2Not Detected1,1-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloroptopane1.0Not Detected4.7Not Detected1,3-Dichloropropene1.0Not Detected4.7Not Detectedtrans-1,3-Dichloropropene1.0Not Detected7.3Not Detectedfreon 1141.0Not Detected7.3Not Detected4-Ethyltoluene1.01.7 CN5.18.5 CNHexachlorobutadiene4.2Not Detected17Not Detected2-Hexanone4.2Not Detected36Not Detected4-Methyl-2-pentanone1.0Not Detected7.1Not Detected4-Methyl-2-pentanone1.0Not Detected7.1Not Detected1,2,2-Tetrachloroethane1.0Not Detected7.1Not Detected1,2,2-Tetrachloroethane1.0Not Detected7.1Not Detected1,2,2-Tetr  |                                  |                 | Not Detected   |            |              |
| 1,1-Dichloroethane1.0Not Detected4.2Not DetectedFreen 121.0Not Detected5.1Not Detected1,2-Dichloroethane1.0Not Detected4.2Not Detected1,1-Dichloroethane1.0Not Detected4.1Not Detected1,2-Dichloroethene1.0Not Detected4.1Not Detectedcis-1,2-Dichloroethene1.0Not Detected4.1Not Detectedtrans-1,2-Dichloroethene1.0Not Detected4.8Not Detectedcis-1,3-Dichloropropane1.0Not Detected4.7Not Detectedcis-1,3-Dichloropropene1.0Not Detected4.7Not Detectedfreon 1141.0Not Detected7.3Not DetectedFreon 1141.0Not Detected4.5Not Detected4-Ethyltoluene1.01.7 CN5.18.5 CNHexachlorobutadiene4.2Not Detected17Not Detected2-Hexanone4.2Not Detected36Not Detected4-Methyl-2-pentanone1.0Not Detected4.4Not Detected4.1,2,2-Tetrachloroethane1.0Not Detected7.1Not Detected1,2,2-Tetrachloroethane1.0Not Detected7.8Not Detected1,2,2-Tetrachloroethane1.0Not Detected7.1Not Detected1,2,2-Tetrachloroethane1.0Not Detected7.1Not Detected1,2,2-Tetrachloroethane1.0Not Detected7.8Not Detected <t< td=""><td></td><td>1.0</td><td>Not Detected</td><td></td><td>Not Detected</td></t<>  |                                  | 1.0             | Not Detected   |            | Not Detected |
| Freen 121.0Not Detected5.1Not Detected1,2-Dichloroethane1.0Not Detected4.2Not Detected1,1-Dichloroethene1.0Not Detected4.1Not Detectedcis-1,2-Dichloroethene1.0Not Detected4.1Not Detectedtrans-1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloropropane1.0Not Detected4.1Not Detected1,2-Dichloropropane1.0Not Detected4.8Not Detectedtrans-1,3-Dichloropropene1.0Not Detected4.7Not Detectedtrans-1,3-Dichloropropene1.0Not Detected7.3Not Detectedtrans-1,3-Dichloropropene1.0Not Detected7.3Not Detectedtrans-1,3-Dichloropropene1.0Not Detected4.5Not Detectedtrans-1,3-Dichloropropene1.0Not Detected4.7Not Detectedtrans-1,3-Dichloropropene1.0Not Detected4.7Not Detectedtrans-1,3-Dichloropropene1.0Not Detected7.3Not Detectedtrans-1,3-Dichloropropene1.0Not Detected4.5Not Detectedtrans-1,3-Dichloropropene1.0Not Detected4.7Not Detectedtrans-1,3-Dichloropropene1.0Not Detected4.5Not Detectedtrans-1,3-Dichloropropene1.0Not Detected4.5Not Detectedtrans-1,3-Dichloropropene1.0Not Detected4.5Not Detectedthylio  |                                  | 1.0             | Not Detected   | 4.2        | Not Detected |
| 1,1-Dichloroethene1.0Not Detected4.1Not Detectedcis-1,2-Dichloroethene1.0Not Detected4.1Not Detectedtrans-1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloropropane1.0Not Detected4.8Not Detectedcis-1,3-Dichloropropene1.0Not Detected4.7Not Detectedcis-1,3-Dichloropropene1.0Not Detected4.7Not Detectedfreon 1141.0Not Detected7.3Not DetectedEthyl Benzene1.0Not Detected4.5Not Detected4-Ethyltoluene1.01.7 CN5.18.5 CNHexachlorobutadiene4.2Not Detected17Not Detected2-Hexanone4.2Not Detected36Not Detected4-Methyle-2-pentanone1.0Not Detected4.3Not Detected5tyrene1.0Not Detected7.1Not Detected1,1,2,2-Tetrachloroethane1.0Not Detected7.1Not Detected1,1,2-Trichloroethane1.0Not Detected7.1Not Detected1,1,2-Trichloroethane1.0Not Detected31Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected  |                                  | 1.0             | Not Detected   | 5.1        | Not Detected |
| 1,1-Dichloroethene1.0Not Detected4.1Not Detectedcis-1,2-Dichloroethene1.0Not Detected4.1Not Detectedtrans-1,2-Dichloroethene1.0Not Detected4.1Not Detected1,2-Dichloropropane1.0Not Detected4.8Not Detectedcis-1,3-Dichloropropene1.0Not Detected4.7Not Detectedtrans-1,3-Dichloropropene1.0Not Detected4.7Not Detectedtrans-1,3-Dichloropropene1.0Not Detected4.7Not DetectedFreon 1141.0Not Detected7.3Not DetectedEthyl Benzene1.0Not Detected4.5Not Detected4-Ethyltoluene1.01.7 CN5.18.5 CNHexachlorobutadiene4.2Not Detected17Not Detected2-Hexanone4.2Not Detected36Not Detected4-Methyl-2-pentanone1.0Not Detected4.4Not Detected5tyrene1.0Not Detected7.1Not Detected1,1,2,2-Tetrachloroethane1.0Not Detected7.1Not Detected1,1,2,2-Tetrachloroethane1.0Not Detected7.8Not Detected1,2,4-Trichloroethane1.0Not Detected31Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected<  | 1.2-Dichloroethane               | 1.0             | Not Detected   | 4.2        | Not Detected |
| cis-1,2-Dichloroethene1.0Not Detected4.1Not Detectedtrans-1,2-Dichloropthene1.0Not Detected4.1Not Detected1,2-Dichloropropane1.0Not Detected4.8Not Detectedcis-1,3-Dichloropropene1.0Not Detected4.7Not Detectedtrans-1,3-Dichloropropene1.0Not Detected4.7Not Detectedfreon 1141.0Not Detected7.3Not DetectedEthyl Benzene1.0Not Detected4.5Not Detected4-Ethyltoluene1.01.7 CN5.18.5 CNHexachlorobutadiene4.2Not Detected17Not Detected2-Hexanone4.2Not Detected36Not Detected4-Methylene Chloride1.0Not Detected4.3Not Detected4-Methyl-2-pentanone1.0Not Detected4.4Not Detected5tyrene1.0Not Detected7.1Not Detected1,1,2,2-Tetrachloroethane1.0Not Detected7.0Not Detected1,2,4-Trichlorobenzene4.2Not Detected7.0Not Detected1,2,4-Trichloroethane1.0Not Detected7.1Not Detected1,2,4-Trichloroethane1.0Not Detected31Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected<   |                                  |                 |  | 4.1        |              |
| trans-1,2-Dichloropethene1.0Not Detected4.1Not Detected1,2-Dichloropropane1.0Not Detected4.8Not Detectedcis-1,3-Dichloropropene1.0Not Detected4.7Not Detectedtrans-1,3-Dichloropropene1.0Not Detected4.7Not DetectedFreon 1141.0Not Detected7.3Not DetectedEthyl Benzene1.0Not Detected4.5Not Detected4-Ethyltoluene1.01.7 CN5.18.5 CNHexachlorobutadiene4.2Not Detected17Not Detected2-Hexanone4.2Not Detected36Not Detected4-Methyl-2-pentanone1.0Not Detected4.3Not Detected1,1,2,2-Tetrachloroethane1.0Not Detected7.1Not Detected1,2,2-Tetrachloroethane1.0Not Detected7.0Not Detected1,1,2,-Trichloroethane1.0Not Detected7.8Not Detected1,1,2-Trichloroethane1.0Not Detected31Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected   |                                  | 1.0             | Not Detected   | 4.1        | Not Detected |
| 1,2-Dichloropropane1.0Not Detected4.8Not Detectedcis-1,3-Dichloropropene1.0Not Detected4.7Not Detectedtrans-1,3-Dichloropropene1.0Not Detected4.7Not DetectedFreon 1141.0Not Detected7.3Not DetectedEthyl Benzene1.0Not Detected4.5Not Detected4-Ethyltoluene1.01.7 CN5.18.5 CNHexachlorobutadiene4.2Not Detected17Not Detected2-Hexanone4.2Not Detected36Not Detected4-Methyl-2-pentanone1.0Not Detected4.3Not Detected5tyrene1.0Not Detected4.4Not Detected1,1,2,2-Tetrachloroethane1.0Not Detected7.1Not Detected1,2,4-Trichlorobenzene4.2Not Detected7.8Not Detected1,2,4-Trichloroethane1.0Not Detected31Not Detected1,2,2-Ticthloroethane1.0Not Detected5.7Not Detected1,2,2-Trichloroethane1.0Not Detected5.7Not Detected1,2,4-Trichloroethane1.0Not Detected5.7Not Detected1,2,2-Ticthloroethane1.0Not Detected5.7Not Detected1,2,2-Ticthloroethane1.0Not Detected5.7Not Detected1,2,2-Ticthloroethane1.0Not Detected5.7Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected <td></td> <td>1.0</td> <td>Not Detected</td> <td>4.1</td> <td>Not Detected</td>   |                                  | 1.0             | Not Detected   | 4.1        | Not Detected |
| cis-1,3-Dichloropropene1.0Not Detected4.7Not Detectedtrans-1,3-Dichloropropene1.0Not Detected4.7Not DetectedFreon 1141.0Not Detected7.3Not DetectedEthyl Benzene1.0Not Detected4.5Not Detected4-Ethyltoluene1.01.7 CN5.18.5 CNHexachlorobutadiene4.2Not Detected44Not Detected2-Hexanone4.2Not Detected17Not Detected4-Methyl-2-pentanone1.0Not Detected36Not Detected4.Methyl-2-pentanone1.0Not Detected4.4Not Detected1,1,2,2-Tetrachloroethane1.0Not Detected7.1Not Detected1,1,2,2-Tetrachloroethane1.0Not Detected7.8Not Detected1,2,4-Trichloroethane1.0Not Detected31Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected  |                                  | 1.0             | Not Detected   | 4.8        | Not Detected |
| trans-1,3-Dichloropropene1.0Not Detected4.7Not DetectedFreon 1141.0Not Detected7.3Not DetectedEthyl Benzene1.0Not Detected4.5Not Detected4-Ethyltoluene1.01.7 CN5.18.5 CNHexachlorobutadiene4.2Not Detected44Not Detected2-Hexanone4.2Not Detected17Not DetectedMethylene Chloride10Not Detected36Not Detected4-Methyl-2-pentanone1.0Not Detected4.4Not Detected5tyrene1.0Not Detected7.1Not Detected1,1,2,2-Tetrachloroethane1.0Not Detected7.0Not Detected1,2,4-Trichloroethane2.1Not Detected31Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected  |                                  | 1.0             | Not Detected   | 4.7        | Not Detected |
| Freen 1141.0Not Detected7.3Not DetectedEthyl Benzene1.0Not Detected4.5Not Detected4-Ethyltoluene1.01.7 CN5.18.5 CNHexachlorobutadiene4.2Not Detected44Not Detected2-Hexanone4.2Not Detected17Not DetectedMethylene Chloride10Not Detected36Not Detected4-Methyl-2-pentanone1.0Not Detected4.3Not Detected5tyrene1.0Not Detected4.4Not Detected1,1,2,2-Tetrachloroethane1.0Not Detected7.1Not Detected1,2,4-Trichlorobenzene4.2Not Detected31Not Detected1,1,2-Trichloroethane1.0Not Detected31Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected  |                                  |                 |  | 4.7        |              |
| Ethyl Benzene1.0Not Detected4.5Not Detected4-Ethyltoluene1.01.7 CN5.18.5 CNHexachlorobutadiene4.2Not Detected44Not Detected2-Hexanone4.2Not Detected17Not DetectedMethylene Chloride10Not Detected36Not Detected4-Methyl-2-pentanone1.0Not Detected4.3Not Detected5tyrene1.0Not Detected4.4Not Detected1,1,2,2-Tetrachloroethane1.0Not Detected7.1Not DetectedTetrachloroethene1.0Not Detected7.0Not Detected1,2,4-Trichlorobenzene4.2Not Detected31Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected  |                                  |                 | Not Detected   | 7.3        | Not Detected |
| 4-Ethyltoluene1.01.7 CN5.18.5 CNHexachlorobutadiene4.2Not Detected44Not Detected2-Hexanone4.2Not Detected17Not DetectedMethylene Chloride10Not Detected36Not Detected4-Methyl-2-pentanone1.0Not Detected4.3Not Detected5.18.5 CN1.0Not Detected36Not Detected4-Methyl-2-pentanone1.0Not Detected4.3Not Detected5.18.5 CN1.0Not Detected4.4Not Detected1,1,2,2-Tetrachloroethane1.0Not Detected7.1Not DetectedTetrachloroethane1.0Not Detected7.0Not DetectedToluene2.1Not Detected7.8Not Detected1,2,4-Trichloroethane1.0Not Detected31Not Detected1,1,1-Trichloroethane1.0Not Detected5.7Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected   |                                  | 1.0             | Not Detected   |            | Not Detected |
| Hexachlorobutadiene4.2Not Detected44Not Detected2-Hexanone4.2Not Detected17Not DetectedMethylene Chloride10Not Detected36Not Detected4-Methyl-2-pentanone1.0Not Detected4.3Not DetectedStyrene1.0Not Detected4.4Not Detected1,1,2,2-Tetrachloroethane1.0Not Detected7.1Not Detected1,1,2,2-Tetrachloroethane1.0Not Detected7.0Not Detected1,1,2,2-Tetrachloroethane1.0Not Detected7.0Not Detected1,1,2,2-Tetrachloroethane1.0Not Detected7.1Not Detected1,2,4-Trichloroethane1.0Not Detected31Not Detected1,1,1-Trichloroethane1.0Not Detected5.7Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected  | -                                | 1.0             | 1.7 CN   | 5.1        | 8.5 CN       |
| 2-Hexanone4.2Not Detected17Not DetectedMethylene Chloride10Not Detected36Not Detected4-Methyl-2-pentanone1.0Not Detected4.3Not DetectedStyrene1.0Not Detected4.4Not Detected1,1,2,2-Tetrachloroethane1.0Not Detected7.1Not DetectedTetrachloroethene1.0Not Detected7.0Not DetectedToluene2.1Not Detected7.8Not Detected1,2,4-Trichloroethane1.0Not Detected31Not Detected1,1,1-Trichloroethane1.0Not Detected5.7Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected   | -                                | 4.2             | Not Detected   | 44         | Not Detected |
| Methylene Chloride10Not Detected36Not Detected4-Methyl-2-pentanone1.0Not Detected4.3Not DetectedStyrene1.0Not Detected4.4Not Detected1,1,2,2-Tetrachloroethane1.0Not Detected7.1Not DetectedTetrachloroethene1.0Not Detected7.0Not DetectedToluene2.1Not Detected7.8Not Detected1,2,4-Trichloroethane1.0Not Detected31Not Detected1,1,1-Trichloroethane1.0Not Detected5.7Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected  |                                  | 4.2             |  | 17         |              |
| 4-Methyl-2-pentanone1.0Not Detected4.3Not DetectedStyrene1.0Not Detected4.4Not Detected1,1,2,2-Tetrachloroethane1.0Not Detected7.1Not DetectedTetrachloroethane1.0Not Detected7.0Not DetectedToluene2.1Not Detected7.8Not Detected1,2,4-Trichloroethane4.2Not Detected31Not Detected1,1,1-Trichloroethane1.0Not Detected5.7Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected  |                                  | 10              | Not Detected   | 36         | Not Detected |
| Styrene1.0Not Detected4.4Not Detected1,1,2,2-Tetrachloroethane1.0Not Detected7.1Not DetectedTetrachloroethane1.0Not Detected7.0Not DetectedToluene2.1Not Detected7.8Not Detected1,2,4-Trichloroethane4.2Not Detected31Not Detected1,1,1-Trichloroethane1.0Not Detected5.7Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected  | -                                |                 |  |            |              |
| 1,1,2,2-Tetrachloroethane1.0Not Detected7.1Not DetectedTetrachloroethene1.0Not Detected7.0Not DetectedToluene2.1Not Detected7.8Not Detected1,2,4-Trichloroethane4.2Not Detected31Not Detected1,1,1-Trichloroethane1.0Not Detected5.7Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected   |                                  |                 |  |            |              |
| Tetrachloroethene1.0Not Detected7.0Not DetectedToluene2.1Not Detected7.8Not Detected1,2,4-Trichlorobenzene4.2Not Detected31Not Detected1,1,1-Trichloroethane1.0Not Detected5.7Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected   |                                  |                 | Not Detected   |            | Not Detected |
| Toluene2.1Not Detected7.8Not Detected1,2,4-Trichlorobenzene4.2Not Detected31Not Detected1,1,1-Trichloroethane1.0Not Detected5.7Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected  |                                  |                 |  |            |              |
| 1,2,4-Trichlorobenzene4.2Not Detected31Not Detected1,1,1-Trichloroethane1.0Not Detected5.7Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected   |                                  |                 |  |            |              |
| 1,1,1-Trichloroethane1.0Not Detected5.7Not Detected1,1,2-Trichloroethane1.0Not Detected5.7Not Detected  |                                  |                 |  |            |              |
| 1,1,2-Trichloroethane 1.0 Not Detected 5.7 Not Detected   |                                  |                 |  |            |              |
|   |                                  |                 |  |            |              |
|   | Trichloroethene                  | 1.0             | Not Detected   | 5.6        | Not Detected |

🔅 eurofins



**Air Toxics** 

### Lab ID#: 2409263-01A EPA METHOD TO-15 GC/MS FULL SCAN File Name: 3092022 Date of Collection: 9/6/24 11:40:00 AM Dil. Factor: Date of Analysis: 9/21/24 12:34 AM 2.08 **Rpt.** Limit Amount **Rpt. Limit** Amount Compound (ug/m3) (ug/m3) (ppbv) (ppbv) Freon 11 1.0 Not Detected 5.8 Not Detected Not Detected 8.0 Not Detected Freon 113 1.0 1,2,4-Trimethylbenzene 1.0 1.1 5.1 5.3 1.0 1.6 5.1 8.0 1,3,5-Trimethylbenzene Vinyl Acetate 4.2 Not Detected 15 Not Detected Not Detected Not Detected Vinyl Chloride 2.6 1.0 m,p-Xylene 2.1 Not Detected 9.0 Not Detected o-Xylene 1.0 Not Detected 4.5 Not Detected TVOC Ref. to Hexane 21 2800 73 9900

Client Sample ID: 20240906M-1

### CN =See Case Narrative explanation

Container Type: 6 Liter Summa Canister

|                       |           | Method |
|-----------------------|-----------|--------|
| Surrogates            | %Recovery | Limits |
| Toluene-d8            | 101       | 70-130 |
| 1,2-Dichloroethane-d4 | 104       | 70-130 |
| 4-Bromofluorobenzene  | 104       | 70-130 |

**eurofins** Air Toxics

# Client Sample ID: Lab Blank Lab ID#: 2409263-02A EPA METHOD TO-15 GC/MS FULL SCAN

| Rpt. Limit<br>(ppbv)         Amount<br>(ppbv)         Rpt. Limit<br>(ppbv)         Amount<br>(ug/m3)         Amount<br>(ug/m3)           Acetone         5.0         Not Detected         1.2         Not Detected           Benzene         0.50         Not Detected         1.6         Not Detected           alpha-Chiorotoluene         0.50         Not Detected         2.6         Not Detected           Bromodichloromethane         0.50         Not Detected         3.4         Not Detected           Bromodichloromethane         0.50         Not Detected         5.9         Not Detected           Submodichloromethane         0.50         Not Detected         5.9         Not Detected           Carbon Tetrachloride         0.50         Not Detected         5.2         Not Detected           Carbon Tetrachloride         0.50         Not Detected         2.3         Not Detected           Chiorobhane         2.0         Not Detected         2.3         Not Detected           Chiorobhane         0.50         Not Detected         3.4         Not Detected           Chiorobhane         0.50         Not Detected         3.4         Not Detected           Chiorobhane         0.50         Not Detected         3.4         Not Detected      < | File Name:<br>Dil. Factor:       | 3092006a<br>1.00 |              | of Collection: NA | 24 12-01 PM  |
|--|----------------------------------|------------------|--------------|-------------------|--------------|
| Compound(ppbv)(ug/m3)(ug/m3)Acetone5.0Not Detected1.2Not DetectedBenzene0.50Not Detected1.6Not Detectedalpha-Chlorotoluene0.50Not Detected2.6Not DetectedBromodichloromethane0.50Not Detected3.4Not DetectedBromotorm0.50Not Detected5.2Not Detected2-Butanone (Methyl Ethyl Ketone)2.0Not Detected5.9Not Detected2-Butanone (Methyl Ethyl Ketone)2.0Not Detected3.1Not DetectedCarbon Disulfide2.0Not Detected3.1Not DetectedCarbon Disulfide0.50Not Detected3.1Not DetectedChlorobenzene0.50Not Detected2.3Not DetectedDibromochloromethane0.50Not Detected2.4Not DetectedChlorobenzene0.50Not Detected3.8Not Detected1,2-Dichlorobenzene0.50Not Detected3.8Not Detected1,2-Dichlorobenzene0.50Not Detected3.0Not Detected1,2-Dichlorobenzene0.50Not Detected3.0Not Detected1,2-Dichlorobenzene0.50Not Detected2.0Not Detected1,2-Dichlorobenzene0.50Not Detected3.0Not Detected1,2-Dichloroethane0.50Not Detected3.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichlor  |                                  |                  |              |                   |              |
| Benzene0.50Not Detected1.6Not Detectedalpha-Chlorotoluene0.50Not Detected2.6Not DetectedBromodichloromethane0.50Not Detected3.4Not DetectedBromodichloromethane5.0Not Detected5.2Not DetectedBromodichloromethane5.0Not Detected5.9Not DetectedCarbon Disulfide2.0Not Detected6.2Not DetectedCarbon Disulfide0.50Not Detected3.1Not DetectedCarbon Tetrachloride0.50Not Detected2.3Not DetectedChlorobenzene0.50Not Detected2.4Not DetectedChlorobenzene0.50Not Detected2.4Not DetectedChlorobenzene0.50Not Detected2.4Not DetectedChlorobenzene0.50Not Detected3.8Not DetectedChlorobenzene0.50Not Detected3.0Not Detected1,2-Diromoethane (EDB)0.50Not Detected3.0Not Detected1,2-Dichorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected2.0Not Detected1,4-Dichlorobenzene0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected <t< th=""><th>Compound</th><th></th><th></th><th>-</th><th></th></t<>   | Compound                         |                  |              | -                 |              |
| alpha-Chlorotoluene0.50Not Detected2.6Not DetectedBromodichloromethane0.50Not Detected3.4Not DetectedBromodorm0.50Not Detected5.2Not DetectedBromodorm0.50Not Detected5.9Not Detected2-Butanone (Methyl Ethyl Ketone)2.0Not Detected6.2Not DetectedCarbon Disulfide2.0Not Detected6.2Not DetectedCarbon Disulfide2.0Not Detected3.1Not DetectedCarbon Disulfide0.50Not Detected3.3Not DetectedChlorobenzene0.50Not Detected4.2Not DetectedChlorobertane2.0Not Detected3.4Not DetectedChlorobertane5.0Not Detected1.4Not DetectedChlorobertane5.0Not Detected3.8Not Detected1,2-Dichlorobenzene0.50Not Detected3.0Not Detected1,2-Dichlorobenzene0.50Not Detected3.0Not Detected1,3-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected2.0Not Detected1,1-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichlorobenzene0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected <t< td=""><td>Acetone</td><td>5.0</td><td>Not Detected</td><td>12</td><td>Not Detected</td></t<>  | Acetone                          | 5.0              | Not Detected | 12                | Not Detected |
| Bromodichloromethane0.50Not Detected3.4Not DetectedBromonorm0.50Not Detected5.2Not DetectedBromomethane5.0Not Detected19Not Detected2-Butanone (Methyl Ethyl Ketone)2.0Not Detected5.9Not DetectedCarbon Disulfide2.0Not Detected3.1Not DetectedCarbon Tetrachloride0.50Not Detected3.1Not DetectedChlorobenzzne0.50Not Detected4.2Not DetectedChlorobenzzne2.0Not Detected2.4Not DetectedChloromethane5.0Not Detected2.4Not DetectedChloromethane5.0Not Detected3.8Not DetectedChloromethane5.0Not Detected3.8Not Detected1,2-Dichlorobenzene0.50Not Detected3.0Not Detected1,2-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected2.0Not Detected1,4-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected<   | Benzene                          | 0.50             | Not Detected | 1.6               | Not Detected |
| Bromoform0.50Not Detected5.2Not DetectedBromomethane5.0Not Detected9Not Detected2-Butanone (Methyl Ethyl Ketone)2.0Not Detected5.9Not DetectedCarbon Disulfide2.0Not Detected6.2Not DetectedCarbon Tetrachloride0.50Not Detected2.3Not DetectedChlorobenzene0.50Not Detected2.3Not DetectedDibromochloromethane0.50Not Detected2.4Not DetectedChlorobertane2.0Not Detected2.4Not DetectedChlorobertane5.0Not Detected3.8Not DetectedChlorobertane5.0Not Detected3.0Not Detected1,2-Dichlorobenzene0.50Not Detected3.0Not Detected1,2-Dichlorobenzene0.50Not Detected3.0Not Detected1,2-Dichlorobenzene0.50Not Detected3.0Not Detected1,2-Dichlorobenzene0.50Not Detected2.0Not Detected1,2-Dichlorobenzene0.50Not Detected2.0Not Detected1,2-Dichlorobenzene0.50Not Detected2.0Not Detected1,2-Dichlorobenzene0.50Not Detected2.0Not Detected1,2-Dichlorobethane0.50Not Detected2.0Not Detected1,2-Dichloroptane0.50Not Detected2.0Not Detected1,2-Dichloroptane0.50Not Detected2.0Not Detected <td>alpha-Chlorotoluene</td> <td>0.50</td> <td>Not Detected</td> <td>2.6</td> <td>Not Detected</td>  | alpha-Chlorotoluene              | 0.50             | Not Detected | 2.6               | Not Detected |
| Bromomethane5.0Not Detected19Not Detected2-Butanone (Methyl Ethyl Ketone)2.0Not Detected5.9Not DetectedCarbon Disulfide2.0Not Detected6.2Not DetectedCarbon Tetrachloride0.50Not Detected3.1Not DetectedChlorobenzene0.50Not Detected2.3Not DetectedDibromochloromethane0.50Not Detected5.3Not DetectedChloroethane2.0Not Detected5.3Not DetectedChloroethane5.0Not Detected3.8Not Detected1,2-Dibromoethane (EDB)0.50Not Detected3.0Not Detected1,2-Dichorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.3Not D   | Bromodichloromethane             | 0.50             | Not Detected | 3.4               | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone)2.0Not Detected5.9Not DetectedCarbon Disulfide2.0Not Detected6.2Not DetectedCarbon Tetrachloride0.50Not Detected3.1Not DetectedChlorobenzene0.50Not Detected4.2Not DetectedChlorobenzene0.50Not Detected4.2Not DetectedChloroform0.50Not Detected2.4Not DetectedChloroform0.50Not Detected2.4Not DetectedChloroform0.50Not Detected3.8Not DetectedChloroform0.50Not Detected3.0Not Detected1,2-Dichlorobenzene0.50Not Detected3.0Not Detected1,3-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected2.0Not Detected1,4-Dichlorobenzene0.50Not Detected2.0Not Detected1,4-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.3Not Detected1,3-Dichloropropane0.50Not Detected2.3Not Detected1,2-Dichloropropene0.50Not Detected2.3Not Detected<   | Bromoform                        | 0.50             | Not Detected | 5.2               | Not Detected |
| Carbon Disulfide2.0Not Detected6.2Not DetectedCarbon Tetrachloride0.50Not Detected3.1Not DetectedChorobenzene0.50Not Detected2.3Not DetectedDibromochloromethane0.50Not Detected4.2Not DetectedChlorobenzene0.50Not Detected5.3Not DetectedChloromethane2.0Not Detected3.4Not DetectedChloromethane5.0Not Detected10Not Detected1,2-Dibromoethane (EDB)0.50Not Detected3.0Not Detected1,3-Dichlorobenzene0.50Not Detected3.0Not Detected1,3-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloropropane0.50Not Detected2.3Not Detected1,2-Dichloropropene0.50Not Detected2.3Not Detected1,3-Dichloropropene0.50Not Detected2.3Not Detected   | Bromomethane                     | 5.0              | Not Detected | 19                | Not Detected |
| Carbon Tetrachloride0.50Not Detected3.1Not DetectedChlorobenzene0.50Not Detected2.3Not DetectedDibromochloromethane0.50Not Detected5.3Not DetectedChloroethane2.0Not Detected5.3Not DetectedChloromethane5.0Not Detected2.4Not DetectedChloromethane5.0Not Detected3.8Not Detected1,2-Dibromethane (EDB)0.50Not Detected3.0Not Detected1,2-Dibromethane (EDB)0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected2.0Not Detected1,1-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dibroroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.3Not Detected1,2-Dichloroethene0.50Not Detected2.3Not Detected1,2-Dichloroethene0.50Not Detected2.3Not Detected1,2-Dichloroethene0.50Not Detected2.3Not Detecte   | 2-Butanone (Methyl Ethyl Ketone) | 2.0              | Not Detected | 5.9               | Not Detected |
| Chlorobenzene0.50Not Detected2.3Not DetectedDibromochloromethane0.50Not Detected4.2Not DetectedChloroform0.50Not Detected2.4Not DetectedChloroform0.50Not Detected2.4Not DetectedChloroform0.50Not Detected3.8Not Detected1,2-Dibromoethane (EDB)0.50Not Detected3.0Not Detected1,3-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected3.0Not Detected1,2-Dichlorobenzene0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloropthene0.50Not Detected2.3Not Detected1,2-Dichloropthene0.50Not Detected2.3Not Detected1,2-Dichloroptopene0.50Not Detected2.3Not Detected1,2-Dichloroptopene0.50Not Detected2.3Not Detected1,2-Dichloroptopene0.50Not Detected2.4Not Detected <td>Carbon Disulfide</td> <td>2.0</td> <td>Not Detected</td> <td>6.2</td> <td>Not Detected</td>  | Carbon Disulfide                 | 2.0              | Not Detected | 6.2               | Not Detected |
| Dibromochloromethane0.50Not Detected4.2Not DetectedChloroothane2.0Not Detected5.3Not DetectedChloroform0.50Not Detected2.4Not DetectedChloromethane5.0Not Detected10Not Detected1,2-Dibromoethane (EDB)0.50Not Detected3.8Not Detected1,3-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected2.0Not Detected1,4-Dichlorobenzene0.50Not Detected2.0Not Detected1,4-Dichlorobethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloropropane0.50Not Detected2.3Not Detected1,2-Dichloropropane0.50Not Detected2.3Not Detected1,2-Dichloropropane0.50Not Detected2.3Not Detected1,2-Dichloropropene0.50Not Detected2.3Not Detected1,3-Dichloropropene0.50Not Detected2.4Not Detected1,2-Dichloropropene0.50Not Detected2.4Not   | Carbon Tetrachloride             | 0.50             | Not Detected | 3.1               | Not Detected |
| Chloroethane2.0Not Detected5.3Not DetectedChloroform0.50Not Detected2.4Not DetectedChloromethane (EDB)0.50Not Detected3.8Not Detected1,2-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected2.0Not Detected1,1-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,1-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,3-Dichloropropane0.50Not Detected2.3Not Detected1,3-Dichloropropene0.50Not Detected2.3Not Detected1,3-Dichloropropene0.50Not Detected2.4Not Detected1,3-Dichloropropene0.50Not Detected2.4Not Detected1,3-Dichloropropene0.50Not Detected2.4Not Detected1,3-Dichloropropene0.50Not Detected2.4Not  | Chlorobenzene                    | 0.50             | Not Detected | 2.3               | Not Detected |
| Chloroform0.50Not Detected2.4Not DetectedChloromethane5.0Not Detected10Not Detected1,2-Dichlorobenzene0.50Not Detected3.0Not Detected1,2-Dichlorobenzene0.50Not Detected3.0Not Detected1,3-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected3.0Not Detected1,1-Dichloroetnane0.50Not Detected2.0Not Detected1,2-Dichloroetnane0.50Not Detected2.5Not Detected1,2-Dichloroetnane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloroptopane0.50Not Detected2.3Not Detected1,3-Dichloropropene0.50Not Detected2.3Not Detected1,3-Dichloropropene0.50Not Detected3.5Not Detected1,3-Dichloropropene0.50Not Detected2.4Not Detected1,3-Dichloropropene0.50Not Detected2.4Not Detected1,3-Dichloropropene0.50Not Detected2.5Not Detected1,40.50Not Detected2.4Not Detected <td>Dibromochloromethane</td> <td>0.50</td> <td>Not Detected</td> <td>4.2</td> <td>Not Detected</td>  | Dibromochloromethane             | 0.50             | Not Detected | 4.2               | Not Detected |
| Chloromethane5.0Not Detected10Not Detected1,2-Dibromoethane (EDB)0.50Not Detected3.8Not Detected1,3-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected2.0Not Detected1,1-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloropthene0.50Not Detected2.0Not Detected1,2-Dichloropthene0.50Not Detected2.3Not Detected1,2-Dichloroptopane0.50Not Detected2.3Not Detected1,3-Dichloropropane0.50Not Detected2.3Not Detected1,4-Dichloroptopene0.50Not Detected2.4Not Detected1,4-Dichloroptopene0.50Not Detected2.2Not Detected1,2-Dichloroptopene0.50Not Detected2.2Not Detected1,2-Dichloroptopene0.50Not Detected2.4Not Detected1,2-Dichloroptopene0.50Not Detected2.4  | Chloroethane                     | 2.0              | Not Detected | 5.3               | Not Detected |
| 1,2-Dibromoethane (EDB)0.50Not Detected3.8Not Detected1,2-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected3.0Not Detected1,1-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloroptopane0.50Not Detected2.0Not Detected1,2-Dichloropropene0.50Not Detected2.3Not Detected1,3-Dichloropropene0.50Not Detected2.3Not Detected1,3-Dichloropropene0.50Not Detected2.2Not Detected1,3-Dichloropropene0.50Not Detected2.2Not Detected1,4-Ethylouene0.50Not Detected2.2Not Detected1,4-Ethylouene0.50Not Detected2.4Not Detected2,0Not Detected2.0Not Detected2.4Not Detected2,1-Hexanone2.0Not Detected3.4<  | Chloroform                       | 0.50             | Not Detected | 2.4               | Not Detected |
| 1,2-Dichlorobenzene0.50Not Detected3.0Not Detected1,3-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected3.0Not Detected1,1-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.5Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.3Not Detected1,2-Dichloropropane0.50Not Detected2.3Not Detected1,3-Dichloropropene0.50Not Detected2.3Not Detected1,3-Dichloropropene0.50Not Detected2.3Not Detected1,4-Ehyltoluene0.50Not Detected2.4Not Detected4-Ethyltoluene0.50Not Detected2.4Not Detected2-Hexanone2.0Not Detected2.1Not Detected4-Ethyltoluene0.50Not Detected2.1Not Detected2-Hexanone2.0Not Detected2.1Not Detected4-Ethyltoluene0.50Not Detected2.1Not Detected4-Hexanone0.50Not Detected3.4Not Detected4-Hex   | Chloromethane                    | 5.0              | Not Detected | 10                | Not Detected |
| 1,3-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected3.0Not Detected1,1-Dichloroethane0.50Not Detected2.0Not DetectedFreon 120.50Not Detected2.5Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,1-Dichloroethene0.50Not Detected2.0Not Detectedcis-1,2-Dichloroethene0.50Not Detected2.0Not Detectedras-1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloropthene0.50Not Detected2.3Not Detected1,2-Dichloropthene0.50Not Detected2.3Not Detected1,3-Dichloropropane0.50Not Detected2.3Not Detected1,3-Dichloropropene0.50Not Detected3.5Not Detectedtrans-1,3-Dichloropropene0.50Not Detected3.5Not Detectedtrans-1,3-Dichloropropene0.50Not Detected3.5Not Detectedtrans-1,3-Dichloropropene0.50Not Detected3.5Not Detectedtrans-1,3-Dichloropropene0.50Not Detected2.2Not Detectedtrans-1,3-Dichloropropene0.50Not Detected3.5Not Detectedtrans-1,3-Dichloropropene0.50Not Detected2.2Not Detectedtrans-1,3-Dichloropropene0.50Not Detected2.2Not Detectedtrans-1,3-Dichloroprop   | 1,2-Dibromoethane (EDB)          | 0.50             | Not Detected | 3.8               | Not Detected |
| 1,3-Dichlorobenzene0.50Not Detected3.0Not Detected1,4-Dichlorobenzene0.50Not Detected3.0Not Detected1,1-Dichloroethane0.50Not Detected2.0Not DetectedFreon 120.50Not Detected2.5Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,1-Dichloroethene0.50Not Detected2.0Not Detectedcis-1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.0Not Detected1,3-Dichloroptopene0.50Not Detected2.3Not Detected1,3-Dichloropropene0.50Not Detected2.3Not Detected1,3-Dichloropropene0.50Not Detected3.5Not Detectedtrans-1,3-Dichloropropene0.50Not Detected3.5Not Detectedtrans-1,3-Dichloropropene0.50Not Detected3.5Not Detectedtrans-1,3-Dichloropropene0.50Not Detected3.5Not Detectedtrans-1,3-Dichloropropene0.50Not Detected2.4Not Detectedtrans-1,3-Dichloropropene0.50Not Detected2.4Not Detectedtrans-1,3-Dichloropropene0.50Not Detected2.4Not Detectedtrans-1,3-Dichloropropene0.50Not Detected2.4Not Detectedtrans-1,3-Dichloropropene   | 1,2-Dichlorobenzene              | 0.50             | Not Detected | 3.0               | Not Detected |
| 1,1-Dichloroethane0.50Not Detected2.0Not DetectedFreon 120.50Not Detected2.5Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,1-Dichloroethane0.50Not Detected2.0Not Detected1,2-Dichloroethene0.50Not Detected2.0Not Detectedcis-1,2-Dichloroethene0.50Not Detected2.0Not Detectedtrans-1,2-Dichloroptopane0.50Not Detected2.3Not Detectedcis-1,3-Dichloropropene0.50Not Detected2.3Not Detectedcis-1,3-Dichloropropene0.50Not Detected2.3Not Detectedtrans-1,3-Dichloropropene0.50Not Detected2.3Not DetectedFreon 1140.50Not Detected2.2Not DetectedEthyl Benzene0.50Not Detected2.4Not Detected4-Ethyltoluene0.50Not Detected2.4Not Detected2-Hexanone2.0Not Detected8.2Not Detected2-Hexanone0.50Not Detected1.7Not Detected4-Methyl-2-pentanone0.50Not Detected2.1Not Detected1,1,2,2-Tetrachloroethane0.50Not Detected3.4Not Detected1,1,2,2-Tetrachloroethane0.50Not Detected3.4Not Detected1,2,2-Trichloroethane0.50Not Detected3.8Not Detected1,1,2-Trichloroethane0.50Not Detected3.4 <td></td> <td>0.50</td> <td>Not Detected</td> <td>3.0</td> <td>Not Detected</td>   |                                  | 0.50             | Not Detected | 3.0               | Not Detected |
| Freen 120.50Not Detected2.5Not Detected1,2-Dichloroethane0.50Not Detected2.0Not Detected1,1-Dichloroethene0.50Not Detected2.0Not Detectedcis-1,2-Dichloroethene0.50Not Detected2.0Not Detectedtrans-1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloroptopane0.50Not Detected2.3Not Detected1,2-Dichloropropane0.50Not Detected2.3Not Detectedtrans-1,3-Dichloropropene0.50Not Detected2.3Not Detectedtrans-1,3-Dichloropropene0.50Not Detected2.3Not DetectedFreon 1140.50Not Detected2.2Not DetectedFreon 1140.50Not Detected2.2Not Detected4-Ethyltoluene0.50Not Detected2.4Not Detected4-Ethyltoluene0.50Not Detected2.4Not Detected2.1 Hexanone2.0Not Detected2.1Not Detected4-Methyl-2-pentanone0.50Not Detected2.1Not Detected4-Methyl-2-pentanone0.50Not Detected3.4Not Detected1,1,2.2-Tetrachloroethane0.50Not Detected3.4Not Detected1,1,2.2-Tetrachloroethane0.50Not Detected3.4Not Detected1,1,2-Trichloroethane0.50Not Detected3.8Not Detected1,1,2-Trichloroethane0.50Not Detected3.4 </td <td>1,4-Dichlorobenzene</td> <td>0.50</td> <td>Not Detected</td> <td>3.0</td> <td>Not Detected</td>   | 1,4-Dichlorobenzene              | 0.50             | Not Detected | 3.0               | Not Detected |
| 1,2-Dichloroethane0.50Not Detected2.0Not Detected1,1-Dichloroethene0.50Not Detected2.0Not Detectedcis-1,2-Dichloroethene0.50Not Detected2.0Not Detectedtrans-1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloropropane0.50Not Detected2.3Not Detectedcis-1,3-Dichloropropene0.50Not Detected2.3Not Detectedtrans-1,3-Dichloropropene0.50Not Detected2.3Not DetectedFreon 1140.50Not Detected3.5Not DetectedEthyl Benzene0.50Not Detected2.4Not Detected4-Ethyltoluene0.50Not Detected2.4Not Detected4-Ethyltoluene0.50Not Detected2.4Not Detected2-Hexanone2.0Not Detected2.1Not Detected4-Methyl-2-pentanone2.0Not Detected2.0Not Detected1,1,2,2-Tetrachloroethane0.50Not Detected3.4Not Detected1,1,2,2-Tetrachloroethane0.50Not Detected3.4Not Detected1,1,2-Trichloroethane0.50Not Detected3.8Not Detected1,1,2-Trichloroethane0.50Not Detected3.4Not Detected1,1,2-Trichloroethane0.50Not Detected3.4Not Detected1,1,2-Trichloroethane0.50Not Detected3.8Not Detected1,1,2-Trichloroethane0.50Not Detecte   | 1,1-Dichloroethane               | 0.50             | Not Detected | 2.0               | Not Detected |
| 1,1-Dichloroethene0.50Not Detected2.0Not Detectedcis-1,2-Dichloroethene0.50Not Detected2.0Not Detectedtrans-1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloropropane0.50Not Detected2.3Not Detectedcis-1,3-Dichloropropene0.50Not Detected2.3Not Detectedtrans-1,3-Dichloropropene0.50Not Detected2.3Not Detectedfreon 1140.50Not Detected3.5Not DetectedEthyl Benzene0.50Not Detected2.2Not Detected4-Ethyltoluene0.50Not Detected2.4Not Detected4-Ethyltoluene2.0Not Detected2.4Not Detected2-Hexanone2.0Not Detected2.0Not Detected4-Hexthyl-2-pentanone0.50Not Detected2.0Not Detected4-Methyl-2-pentanone0.50Not Detected2.1Not Detected500Not Detected3.4Not Detected1,1,2,2-Tetrachloroethane0.50Not Detected1,1,2,2-Tetrachloroethane0.50Not Detected3.4Not Detected1,1,2,4-Trichloroethane3.8Not Detected1,1,2-Trichloroethane0.50Not Detected3.8Not Detected1,1,2-Trichloroethane3.6Not Detected1,1,2-Trichloroethane0.50Not Detected3.4Not Detected1,1,2-Trichloroethane1,50Not Detected3.4Not Detected1,1,2  | Freon 12                         | 0.50             | Not Detected | 2.5               | Not Detected |
| 1,1-Dichloroethene0.50Not Detected2.0Not Detectedcis-1,2-Dichloroethene0.50Not Detected2.0Not Detectedtrans-1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloropropane0.50Not Detected2.3Not Detectedcis-1,3-Dichloropropene0.50Not Detected2.3Not Detectedtrans-1,3-Dichloropropene0.50Not Detected2.3Not DetectedFreen 1140.50Not Detected3.5Not DetectedEthyl Benzene0.50Not Detected2.2Not Detected4-Ethyltoluene0.50Not Detected2.4Not Detected4-Ethyltoluene2.0Not Detected2.1Not Detected2-Hexanone2.0Not Detected2.2Not Detected4-Hexachlorobutadiene2.0Not Detected2.1Not Detected2-Hexanone2.0Not Detected3.4Not Detected4-Methyl-2-pentanone0.50Not Detected3.4Not Detected50Not Detected3.4Not Detected1,1,2,2-Tetrachloroethane0.50Not Detected1,1,2,2-Tetrachloroethane0.50Not Detected3.8Not Detected1,1,2,4-Trichloroethane1.0Not Detected1,1,2-Trichloroethane0.50Not Detected3.8Not Detected1,1,2-Trichloroethane0.50Not Detected3.4Not Detected1,1,2-Trichloroethane0.50Not Detected3.8Not De   | 1,2-Dichloroethane               | 0.50             | Not Detected | 2.0               | Not Detected |
| trans-1,2-Dichloroethene0.50Not Detected2.0Not Detected1,2-Dichloropropane0.50Not Detected2.3Not Detectedcis-1,3-Dichloropropene0.50Not Detected2.3Not Detectedtrans-1,3-Dichloropropene0.50Not Detected2.3Not DetectedFreon 1140.50Not Detected3.5Not DetectedEthyl Benzene0.50Not Detected2.2Not Detected4-Ethyltoluene0.50Not Detected2.4Not DetectedHexachlorobutadiene2.0Not Detected2.1Not Detected2-Hexanone2.0Not Detected3.2Not Detected4-Methyl-2-pentanone0.50Not Detected2.0Not Detected4-Methyl-2-pentanone0.50Not Detected2.1Not Detected5tyrene0.50Not Detected3.4Not Detected1,1,2,2-Tetrachloroethane0.50Not Detected3.4Not Detected1,2,4-Trichlorobenzene2.0Not Detected3.8Not Detected1,2,4-Trichloroethane0.50Not Detected3.4Not Detected1,1,2-Trichloroethane0.50Not Detected3.5Not Detected1,1,2-Trichloroethane0.50Not Detected3.8Not Detected1,1,2-Trichloroethane0.50Not Detected3.6Not Detected1,1,2-Trichloroethane0.50Not Detected3.7Not Detected1,1,2-Trichloroethane0.50Not Detected <td< td=""><td></td><td>0.50</td><td>Not Detected</td><td>2.0</td><td>Not Detected</td></td<>   |                                  | 0.50             | Not Detected | 2.0               | Not Detected |
| 1,2-Dichloropropane0.50Not Detected2.3Not Detectedcis-1,3-Dichloropropene0.50Not Detected2.3Not Detectedtrans-1,3-Dichloropropene0.50Not Detected2.3Not DetectedFreon 1140.50Not Detected3.5Not DetectedEthyl Benzene0.50Not Detected2.2Not Detected4-Ethyltoluene0.50Not Detected2.4Not DetectedHexachlorobutadiene2.0Not Detected8.2Not Detected2-Hexanone2.0Not Detected17Not Detected4-Methyl-2-pentanone0.50Not Detected2.0Not Detected5tyrene0.50Not Detected3.4Not Detected1,1,2,2-Tetrachloroethane0.50Not Detected3.4Not Detected1,2,4-Trichlorobenzene2.0Not Detected3.8Not Detected1,2,4-Trichloroethane0.50Not Detected3.4Not Detected1,1,2-Trichloroethane0.50Not Detected3.8Not Detected1,1,2-Trichloroethane0.50Not Detected3.8Not Detected1,1,2-Trichloroethane0.50Not Detected2.7Not Detected1,1,2-Trichloroethane0.50Not Detected2.7Not Detected1,1,2-Trichloroethane0.50Not Detected2.7Not Detected1,1,2-Trichloroethane0.50Not Detected2.7Not Detected1,1,2-Trichloroethane0.50Not Detected2.  | cis-1,2-Dichloroethene           | 0.50             | Not Detected | 2.0               | Not Detected |
| cis-1,3-Dichloropropene0.50Not Detected2.3Not Detectedtrans-1,3-Dichloropropene0.50Not Detected2.3Not DetectedFreon 1140.50Not Detected3.5Not DetectedEthyl Benzene0.50Not Detected2.2Not Detected4-Ethyltoluene0.50Not Detected2.4Not DetectedHexachlorobutadiene2.0Not Detected2.1Not Detected2-Hexanone2.0Not Detected8.2Not Detected4-Methyl-2-pentanone0.50Not Detected2.0Not Detected4-Methyl-2-pentanone0.50Not Detected2.1Not Detected500Not Detected2.1Not Detected1, 1, 2, 2-Tetrachloroethane0.50Not Detected1,1,2,2-Tetrachloroethane0.50Not Detected3.4Not Detected1, 1, 2, 4-Trichloroethane3.8Not Detected1,1,2-Trichloroethane0.50Not Detected3.8Not Detected1, 1, 2, -Trichloroethane0.50Not Detected3.4Not Detected1,1,2-Trichloroethane0.50Not Detected3.8Not Detected1, 1, 2, -Trichloroethane0.50Not Detected2, 7Not Detected1,1,2-Trichloroethane0.50Not Detected2, 7Not Detected2, 7Not Detected1,1,2-Trichloroethane0.50Not Detected2, 7Not Detected2, 7Not Detected1,1,2-Trichloroethane0.50Not Detected2, 7Not Detected <td>trans-1,2-Dichloroethene</td> <td>0.50</td> <td>Not Detected</td> <td>2.0</td> <td>Not Detected</td>   | trans-1,2-Dichloroethene         | 0.50             | Not Detected | 2.0               | Not Detected |
| trans-1,3-Dichloropropene0.50Not Detected2.3Not DetectedFreon 1140.50Not Detected3.5Not DetectedEthyl Benzene0.50Not Detected2.2Not Detected4-Ethyltoluene0.50Not Detected2.4Not DetectedHexachlorobutadiene2.0Not Detected2.1Not Detected2-Hexanone2.0Not Detected8.2Not DetectedMethylene Chloride5.0Not Detected17Not Detected4-Methyl-2-pentanone0.50Not Detected2.0Not Detected5tyrene0.50Not Detected3.4Not Detected1,1,2,2-Tetrachloroethane0.50Not Detected3.4Not Detected7oluene1.0Not Detected3.8Not Detected1,2,4-Trichloroethane0.50Not Detected2.7Not Detected1,1,2-Trichloroethane0.50Not Detected2.7Not Detected1,1,2-Trichloroethane0.50Not Detected2.7Not Detected  | 1,2-Dichloropropane              | 0.50             | Not Detected | 2.3               | Not Detected |
| trans-1,3-Dichloropropene0.50Not Detected2.3Not DetectedFreon 1140.50Not Detected3.5Not DetectedEthyl Benzene0.50Not Detected2.2Not Detected4-Ethyltoluene0.50Not Detected2.4Not DetectedHexachlorobutadiene2.0Not Detected2.1Not Detected2-Hexanone2.0Not Detected8.2Not DetectedMethylene Chloride5.0Not Detected17Not Detected4-Methyl-2-pentanone0.50Not Detected2.0Not Detected5tyrene0.50Not Detected3.4Not Detected1,1,2,2-Tetrachloroethane0.50Not Detected3.4Not Detected7oluene1.0Not Detected3.8Not Detected1,2,4-Trichloroethane0.50Not Detected2.7Not Detected1,1,2-Trichloroethane0.50Not Detected2.7Not Detected1,1,2-Trichloroethane0.50Not Detected2.7Not Detected  | cis-1,3-Dichloropropene          | 0.50             | Not Detected | 2.3               | Not Detected |
| Freon 1140.50Not Detected3.5Not DetectedEthyl Benzene0.50Not Detected2.2Not Detected4-Ethyltoluene0.50Not Detected2.4Not DetectedHexachlorobutadiene2.0Not Detected2.1Not Detected2-Hexanone2.0Not Detected8.2Not DetectedMethylene Chloride5.0Not Detected17Not Detected4-Methyl-2-pentanone0.50Not Detected2.0Not Detected5tyrene0.50Not Detected2.1Not Detected1,1,2,2-Tetrachloroethane0.50Not Detected3.4Not Detected1,2,4-Trichlorobenzene2.0Not Detected3.8Not Detected1,1,2-Trichloroethane0.50Not Detected3.8Not Detected1,1,2-Trichloroethane0.50Not Detected2.7Not Detected1,1,2-Trichloroethane0.50Not Detected2.7Not Detected   |                                  | 0.50             | Not Detected | 2.3               | Not Detected |
| 4-Ethyltoluene0.50Not Detected2.4Not DetectedHexachlorobutadiene2.0Not Detected21Not Detected2-Hexanone2.0Not Detected8.2Not DetectedMethylene Chloride5.0Not Detected17Not Detected4-Methyl-2-pentanone0.50Not Detected2.0Not Detected5.0Not Detected2.0Not Detected17Not Detected4-Methyl-2-pentanone0.50Not Detected2.0Not Detected5.1, 1, 2, 2-Tetrachloroethane0.50Not Detected3.4Not Detected1, 1, 2, 2-Tetrachloroethane0.50Not Detected3.4Not DetectedToluene1.0Not Detected3.8Not Detected1, 2, 4-Trichloroethane0.50Not Detected15Not Detected1, 1, 2-Trichloroethane0.50Not Detected2.7Not Detected   |                                  | 0.50             | Not Detected | 3.5               | Not Detected |
| Hexachlorobutadiene2.0Not Detected21Not Detected2-Hexanone2.0Not Detected8.2Not DetectedMethylene Chloride5.0Not Detected17Not Detected4-Methyl-2-pentanone0.50Not Detected2.0Not Detected5tyrene0.50Not Detected2.1Not Detected1,1,2,2-Tetrachloroethane0.50Not Detected3.4Not Detected1,2,2-Tetrachloroethane0.50Not Detected3.4Not Detected1,2,4-Trichlorobenzene2.0Not Detected3.8Not Detected1,2,4-Trichloroethane0.50Not Detected2.7Not Detected1,1,2-Trichloroethane0.50Not Detected2.7Not Detected   | Ethyl Benzene                    | 0.50             | Not Detected | 2.2               | Not Detected |
| 2-Hexanone2.0Not Detected8.2Not DetectedMethylene Chloride5.0Not Detected17Not Detected4-Methyl-2-pentanone0.50Not Detected2.0Not DetectedStyrene0.50Not Detected2.1Not Detected1,1,2,2-Tetrachloroethane0.50Not Detected3.4Not DetectedTetrachloroethene0.50Not Detected3.4Not DetectedToluene1.0Not Detected3.8Not Detected1,2,4-Trichloroethane0.50Not Detected15Not Detected1,1,1-Trichloroethane0.50Not Detected2.7Not Detected1,1,2-Trichloroethane0.50Not Detected2.7Not Detected   | 4-Ethyltoluene                   | 0.50             | Not Detected | 2.4               | Not Detected |
| Methylene Chloride5.0Not Detected17Not Detected4-Methyl-2-pentanone0.50Not Detected2.0Not DetectedStyrene0.50Not Detected2.1Not Detected1,1,2,2-Tetrachloroethane0.50Not Detected3.4Not DetectedTetrachloroethane0.50Not Detected3.4Not DetectedToluene1.0Not Detected3.8Not Detected1,2,4-Trichloroethane0.50Not Detected15Not Detected1,1,1-Trichloroethane0.50Not Detected2.7Not Detected1,1,2-Trichloroethane0.50Not Detected2.7Not Detected   | Hexachlorobutadiene              | 2.0              | Not Detected | 21                | Not Detected |
| 4-Methyl-2-pentanone0.50Not Detected2.0Not DetectedStyrene0.50Not Detected2.1Not Detected1,1,2,2-Tetrachloroethane0.50Not Detected3.4Not DetectedTetrachloroethene0.50Not Detected3.4Not DetectedToluene1.0Not Detected3.8Not Detected1,2,4-Trichloroethane2.0Not Detected15Not Detected1,1,1-Trichloroethane0.50Not Detected2.7Not Detected1,1,2-Trichloroethane0.50Not Detected2.7Not Detected   | 2-Hexanone                       | 2.0              | Not Detected | 8.2               | Not Detected |
| Styrene0.50Not Detected2.1Not Detected1,1,2,2-Tetrachloroethane0.50Not Detected3.4Not DetectedTetrachloroethene0.50Not Detected3.4Not DetectedToluene1.0Not Detected3.8Not Detected1,2,4-Trichloroethane0.50Not Detected15Not Detected1,1,1-Trichloroethane0.50Not Detected2.7Not Detected1,1,2-Trichloroethane0.50Not Detected2.7Not Detected   | Methylene Chloride               | 5.0              | Not Detected | 17                | Not Detected |
| 1,1,2,2-Tetrachloroethane0.50Not Detected3.4Not DetectedTetrachloroethene0.50Not Detected3.4Not DetectedToluene1.0Not Detected3.8Not Detected1,2,4-Trichloroethane2.0Not Detected15Not Detected1,1,1-Trichloroethane0.50Not Detected2.7Not Detected1,1,2-Trichloroethane0.50Not Detected2.7Not Detected  | 4-Methyl-2-pentanone             | 0.50             | Not Detected | 2.0               | Not Detected |
| Tetrachloroethene0.50Not Detected3.4Not DetectedToluene1.0Not Detected3.8Not Detected1,2,4-Trichlorobenzene2.0Not Detected15Not Detected1,1,1-Trichloroethane0.50Not Detected2.7Not Detected1,1,2-Trichloroethane0.50Not Detected2.7Not Detected   | Styrene                          | 0.50             | Not Detected | 2.1               | Not Detected |
| Tetrachloroethene0.50Not Detected3.4Not DetectedToluene1.0Not Detected3.8Not Detected1,2,4-Trichlorobenzene2.0Not Detected15Not Detected1,1,1-Trichloroethane0.50Not Detected2.7Not Detected1,1,2-Trichloroethane0.50Not Detected2.7Not Detected   | 1,1,2,2-Tetrachloroethane        | 0.50             | Not Detected | 3.4               | Not Detected |
| 1,2,4-Trichlorobenzene2.0Not Detected15Not Detected1,1,1-Trichloroethane0.50Not Detected2.7Not Detected1,1,2-Trichloroethane0.50Not Detected2.7Not Detected  |                                  | 0.50             | Not Detected | 3.4               | Not Detected |
| 1,2,4-Trichlorobenzene2.0Not Detected15Not Detected1,1,1-Trichloroethane0.50Not Detected2.7Not Detected1,1,2-Trichloroethane0.50Not Detected2.7Not Detected  | Toluene                          | 1.0              | Not Detected | 3.8               | Not Detected |
| 1,1,1-Trichloroethane0.50Not Detected2.7Not Detected1,1,2-Trichloroethane0.50Not Detected2.7Not Detected   | 1,2,4-Trichlorobenzene           |                  |              |                   | Not Detected |
| 1,1,2-Trichloroethane 0.50 Not Detected 2.7 Not Detected   |                                  | 0.50             | Not Detected | 2.7               | Not Detected |
|  |                                  |                  |              |                   | Not Detected |
|  | Trichloroethene                  | 0.50             | Not Detected | 2.7               | Not Detected |



# Air Toxics

# Client Sample ID: Lab Blank Lab ID#: 2409263-02A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor: | 3092006a<br>1.00     | Date of Collection: NA Date of Analysis: 9/20/24 12:01 PM |                       |                   |
|----------------------------|----------------------|---|-----------------------|-------------------|
| Compound                   | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv)  | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
| Freon 11                   | 0.50                 | Not Detected  | 2.8                   | Not Detected      |
| Freon 113                  | 0.50                 | Not Detected  | 3.8                   | Not Detected      |
| 1,2,4-Trimethylbenzene     | 0.50                 | Not Detected  | 2.4                   | Not Detected      |
| 1,3,5-Trimethylbenzene     | 0.50                 | Not Detected  | 2.4                   | Not Detected      |
| Vinyl Acetate              | 2.0                  | Not Detected  | 7.0                   | Not Detected      |
| Vinyl Chloride             | 0.50                 | Not Detected  | 1.3                   | Not Detected      |
| m,p-Xylene                 | 1.0                  | Not Detected  | 4.3                   | Not Detected      |
| o-Xylene                   | 0.50                 | Not Detected  | 2.2                   | Not Detected      |
| TVOC Ref. to Hexane        | 10                   | Not Detected  | 35                    | Not Detected      |

# **Container Type: NA - Not Applicable**

|                       |           | Method |
|-----------------------|-----------|--------|
| Surrogates            | %Recovery | Limits |
| Toluene-d8            | 97        | 70-130 |
| 1,2-Dichloroethane-d4 | 104       | 70-130 |
| 4-Bromofluorobenzene  | 102       | 70-130 |



**Air Toxics** 

# Client Sample ID: CCV Lab ID#: 2409263-03A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:                                   | 3092003   | Date of Collection: NA             |
|--|-----------|------------------------------------|
| Dil. Factor:                                 | 1.00      | Date of Analysis: 9/20/24 10:38 AM |
|  |           |                                    |
| Compound                                     | %Reco     | very                               |
| Acetone                                      | 88        |                                    |
| Benzene                                      | 92        |                                    |
| alpha-Chlorotoluene                          | 104       |                                    |
| Bromodichloromethane                         | 10'       |                                    |
| Bromoform                                    | 109       |                                    |
| Bromomethane                                 | 107       |                                    |
| 2-Butanone (Methyl Ethyl Ketone)             | 92        |                                    |
| Carbon Disulfide                             | 90        |                                    |
| Carbon Tetrachloride                         | 108       |                                    |
| Chlorobenzene                                | 100       |                                    |
| Dibromochloromethane                         | 108       |                                    |
| Chloroethane                                 | 89        |                                    |
| Chloroform                                   | 100       |                                    |
| Chloromethane                                | 89        |                                    |
| 1,2-Dibromoethane (EDB)                      | 103       |                                    |
| 1,2-Dichlorobenzene                          | 102       |                                    |
| 1,3-Dichlorobenzene                          | 104       |                                    |
| 1,4-Dichlorobenzene                          | 104<br>92 |                                    |
| 1,1-Dichloroethane<br>Freon 12               | 92<br>105 |                                    |
|  |           |                                    |
| 1,2-Dichloroethane                           | 105<br>91 |                                    |
| 1,1-Dichloroethene<br>cis-1,2-Dichloroethene | 91        |                                    |
| trans-1,2-Dichloroethene                     | 90        |                                    |
| 1,2-Dichloropropane                          | 88        |                                    |
| cis-1,3-Dichloropropene                      | 97        |                                    |
| trans-1,3-Dichloropropene                    | 103       |                                    |
| Freon 114                                    | 100       |                                    |
| Ethyl Benzene                                | 98        |                                    |
| 4-Ethyltoluene                               | 10        |                                    |
| Hexachlorobutadiene                          | 109       |                                    |
| 2-Hexanone                                   | 87        |                                    |
| Methylene Chloride                           | 86        |                                    |
| 4-Methyl-2-pentanone                         | 92        |                                    |
| Styrene                                      | 99        |                                    |
| 1,1,2,2-Tetrachloroethane                    | 94        |                                    |
| Tetrachloroethene                            | 104       |                                    |
| Toluene                                      | 99        |                                    |
| 1,2,4-Trichlorobenzene                       | 103       |                                    |
| 1.1.1-Trichloroethane                        | 106       |                                    |
| 1,1,2-Trichloroethane                        | 97        |                                    |
| Trichloroethene                              | 103       |                                    |
|  |           |                                    |



# **Air Toxics**

# Client Sample ID: CCV Lab ID#: 2409263-03A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor: | 3092003<br>1.00 | Date of Collection: NA<br>Date of Analysis: 9/20/24 10:38 AM |
|----------------------------|-----------------|--|
| Compound                   |                 | %Recovery  |
| Freon 11                   |                 | 106  |
| Freon 113                  |                 | 96   |
| 1,2,4-Trimethylbenzene     |                 | 101  |
| 1,3,5-Trimethylbenzene     |                 | 101  |
| Vinyl Acetate              |                 | 91   |
| Vinyl Chloride             |                 | 90   |
| m,p-Xylene                 |                 | 98   |
| o-Xylene                   |                 | 99   |
| TVOC Ref. to Hexane        |                 | 100  |

# **Container Type: NA - Not Applicable**

|                       |           | Method |
|-----------------------|-----------|--------|
| Surrogates            | %Recovery | Limits |
| Toluene-d8            | 101       | 70-130 |
| 1,2-Dichloroethane-d4 | 106       | 70-130 |
| 4-Bromofluorobenzene  | 107       | 70-130 |

# **Air Toxics**

# Client Sample ID: LCS Lab ID#: 2409263-04A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:                       | 3092004 | Date of Collectio |                    |
|----------------------------------|---------|-------------------|--------------------|
| Dil. Factor:                     | 1.00    | Date of Analysis: | : 9/20/24 11:05 AM |
| Compound                         | %Re     | ecovery           | Method<br>Limits   |
| Acetone                          |         | 84                | 70-130             |
| Benzene                          |         | 86                | 70-130             |
| alpha-Chlorotoluene              |         | 92                | 70-130             |
| Bromodichloromethane             |         | 91                | 70-130             |
| Bromoform                        |         | 96                | 70-130             |
| Bromomethane                     | ,       | 101               | 70-130             |
| 2-Butanone (Methyl Ethyl Ketone) |         | 83                | 70-130             |
| Carbon Disulfide                 |         | 84                | 70-130             |
| Carbon Tetrachloride             |         | 104               | 70-130             |
| Chlorobenzene                    |         | 89                | 70-130             |
| Dibromochloromethane             |         | 98                | 70-130             |
| Chloroethane                     |         | 90                | 70-130             |
| Chloroform                       |         | 89                | 70-130             |
| Chloromethane                    |         | 87                | 70-130             |
| 1,2-Dibromoethane (EDB)          |         | 92                | 70-130             |
| 1,2-Dichlorobenzene              |         | 92                | 70-130             |
| 1,3-Dichlorobenzene              |         | 95                | 70-130             |
| 1,4-Dichlorobenzene              |         | 91                | 70-130             |
| 1,1-Dichloroethane               |         | 85                | 70-130             |
| Freon 12                         |         | 98                | 70-130             |
| 1,2-Dichloroethane               |         | 97                | 70-130             |
| 1,1-Dichloroethene               |         | 84                | 70-130             |
| cis-1,2-Dichloroethene           |         | 86                | 70-130             |
| trans-1,2-Dichloroethene         |         | 83                | 70-130             |
| 1.2-Dichloropropane              |         | 81                | 70-130             |
| cis-1,3-Dichloropropene          |         | 90                | 70-130             |
| trans-1,3-Dichloropropene        |         | 96                | 70-130             |
| Freon 114                        |         | 96                | 70-130             |
| Ethyl Benzene                    |         | 90                | 70-130             |
| 4-Ethyltoluene                   |         | 92                | 70-130             |
| Hexachlorobutadiene              |         | 120               | 70-130             |
| 2-Hexanone                       |         | 79                | 70-130             |
| Methylene Chloride               |         | 79                | 70-130             |
| 4-Methyl-2-pentanone             |         | 80                | 70-130             |
| Styrene                          |         | 90                | 70-130             |
| 1,1,2,2-Tetrachloroethane        |         | 86                | 70-130             |
| Tetrachloroethene                |         | 93                | 70-130             |
| Toluene                          |         | 87                | 70-130             |
| 1,2,4-Trichlorobenzene           |         | 110               | 70-130             |
| 1,1,1-Trichloroethane            |         | 100               | 70-130             |
| 1,1,2-Trichloroethane            |         | 90                | 70-130             |
| Trichloroethene                  |         | 90                | 70-130             |



# **Air Toxics**

# Client Sample ID: LCS Lab ID#: 2409263-04A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor: | 3092004<br>1.00 |            | Date of Collection: NA<br>Date of Analysis: 9/20/24 11:05 AM |  |
|----------------------------|-----------------|------------|--|--|
| Compound                   |                 | %Recovery  | Method<br>Limits   |  |
| Freon 11                   |                 | 100        | 70-130   |  |
| Freon 113                  |                 | 89         | 70-130   |  |
| 1,2,4-Trimethylbenzene     |                 | 94         | 70-130   |  |
| 1,3,5-Trimethylbenzene     |                 | 93         | 70-130   |  |
| Vinyl Acetate              |                 | 93         | 70-130   |  |
| Vinyl Chloride             |                 | 88         | 70-130   |  |
| m,p-Xylene                 |                 | 89         | 70-130   |  |
| o-Xylene                   |                 | 91         | 70-130   |  |
| TVOC Ref. to Hexane        |                 | Not Spiked |  |  |

# **Container Type: NA - Not Applicable**

|                       |           | Method |
|-----------------------|-----------|--------|
| Surrogates            | %Recovery | Limits |
| Toluene-d8            | 97        | 70-130 |
| 1,2-Dichloroethane-d4 | 103       | 70-130 |
| 4-Bromofluorobenzene  | 107       | 70-130 |

**Air Toxics** 

# Client Sample ID: LCSD Lab ID#: 2409263-04AA EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:                       | 3092005 Date of | Collection: NA             |
|----------------------------------|-----------------|----------------------------|
| Dil. Factor:                     | 1.00 Date of    | Analysis: 9/20/24 11:32 AM |
| Compound                         | %Recovery       | Method<br>Limits           |
| Acetone                          | 84              | 70-130                     |
| Benzene                          | 86              | 70-130                     |
| alpha-Chlorotoluene              | 93              | 70-130                     |
| Bromodichloromethane             | 94              | 70-130                     |
| Bromoform                        | 98              | 70-130                     |
| Bromomethane                     | 110             | 70-130                     |
| 2-Butanone (Methyl Ethyl Ketone) | 80              | 70-130                     |
| Carbon Disulfide                 | 88              | 70-130                     |
| Carbon Tetrachloride             | 105             | 70-130                     |
| Chlorobenzene                    | 93              | 70-130                     |
| Dibromochloromethane             | 98              | 70-130                     |
| Chloroethane                     | 92              | 70-130                     |
| Chloroform                       | 91              | 70-130                     |
| Chloromethane                    | 92              | 70-130                     |
| 1,2-Dibromoethane (EDB)          | 96              | 70-130                     |
| 1,2-Dichlorobenzene              | 93              | 70-130                     |
| 1,3-Dichlorobenzene              | 95              | 70-130                     |
| 1,4-Dichlorobenzene              | 94              | 70-130                     |
| 1,1-Dichloroethane               | 87              | 70-130                     |
| Freon 12                         | 100             | 70-130                     |
| 1,2-Dichloroethane               | 100             | 70-130                     |
| 1,1-Dichloroethene               | 82              | 70-130                     |
| cis-1,2-Dichloroethene           | 89              | 70-130                     |
| trans-1,2-Dichloroethene         | 89              | 70-130                     |
| 1,2-Dichloropropane              | 79              | 70-130                     |
| cis-1,3-Dichloropropene          |                 | 70-130                     |
| trans-1,3-Dichloropropene        | 96              | 70-130                     |
| Freon 114                        | 96              | 70-130                     |
| Ethyl Benzene                    | 92              | 70-130                     |
| 4-Ethyltoluene                   | 95              | 70-130                     |
| Hexachlorobutadiene              | 119             | 70-130                     |
| 2-Hexanone                       | 79              | 70-130                     |
| Methylene Chloride               | 80              | 70-130                     |
| 4-Methyl-2-pentanone             | 80              | 70-130                     |
| Styrene                          | 92              | 70-130                     |
| 1,1,2,2-Tetrachloroethane        |                 | 70-130                     |
| Tetrachloroethene                | 95              | 70-130                     |
| Toluene                          | 87              | 70-130                     |
| 1,2,4-Trichlorobenzene           | 116             | 70-130                     |
| 1,1,1-Trichloroethane            | 101             | 70-130                     |
| 1,1,2-Trichloroethane            | 91              | 70-130                     |
| Trichloroethene                  | 92              | 70-130                     |



# **Air Toxics**

# Client Sample ID: LCSD Lab ID#: 2409263-04AA EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor: | 3092005<br>1.00 | Date of Collect<br>Date of Analys | tion: NA<br>is:  9/20/24 11:32 AM |
|----------------------------|-----------------|-----------------------------------|-----------------------------------|
| Compound                   |                 | %Recovery                         | Method<br>Limits                  |
| Freon 11                   |                 | 102                               | 70-130                            |
| Freon 113                  |                 | 91                                | 70-130                            |
| 1,2,4-Trimethylbenzene     |                 | 94                                | 70-130                            |
| 1,3,5-Trimethylbenzene     |                 | 93                                | 70-130                            |
| Vinyl Acetate              |                 | 95                                | 70-130                            |
| Vinyl Chloride             |                 | 90                                | 70-130                            |
| m,p-Xylene                 |                 | 88                                | 70-130                            |
| o-Xylene                   |                 | 89                                | 70-130                            |
| TVOC Ref. to Hexane        |                 | Not Spiked                        |                                   |

# **Container Type: NA - Not Applicable**

|                       |           | Method |
|-----------------------|-----------|--------|
| Surrogates            | %Recovery | Limits |
| Toluene-d8            | 99        | 70-130 |
| 1,2-Dichloroethane-d4 | 104       | 70-130 |
| 4-Bromofluorobenzene  | 105       | 70-130 |

# 1 2 3 4 5 6 7 8 9

# Seurofins | Air Toxics

# Method : TO-15 (Sp)-Eurofins TA (CEC, OK)

| CAS Number | Compound                         | Rpt. Limit (ppbv) |
|------------|----------------------------------|-------------------|
| 67-64-1    | Acetone                          | 5.0               |
| 71-43-2    | Benzene                          | 0.50              |
| 100-44-7   | alpha-Chlorotoluene              | 0.50              |
| 75-27-4    | Bromodichloromethane             | 0.50              |
| 75-25-2    | Bromoform                        | 0.50              |
| 74-83-9    | Bromomethane                     | 5.0               |
| 78-93-3    | 2-Butanone (Methyl Ethyl Ketone) | 2.0               |
| 75-15-0    | Carbon Disulfide                 | 2.0               |
| 56-23-5    | Carbon Tetrachloride             | 0.50              |
| 108-90-7   | Chlorobenzene                    | 0.50              |
| 124-48-1   | Dibromochloromethane             | 0.50              |
| 75-00-3    | Chloroethane                     | 2.0               |
| 67-66-3    | Chloroform                       | 0.50              |
| 74-87-3    | Chloromethane                    | 5.0               |
| 106-93-4   | 1,2-Dibromoethane (EDB)          | 0.50              |
| 95-50-1    | 1,2-Dichlorobenzene              | 0.50              |
| 541-73-1   | 1,3-Dichlorobenzene              | 0.50              |
| 106-46-7   | 1,4-Dichlorobenzene              | 0.50              |
| 75-34-3    | 1,1-Dichloroethane               | 0.50              |
| 75-71-8    | Freon 12                         | 0.50              |
| 107-06-2   | 1,2-Dichloroethane               | 0.50              |
| 75-35-4    | 1,1-Dichloroethene               | 0.50              |
| 156-59-2   | cis-1,2-Dichloroethene           | 0.50              |
| 156-60-5   | trans-1,2-Dichloroethene         | 0.50              |
| 78-87-5    | 1,2-Dichloropropane              | 0.50              |
| 10061-01-5 | cis-1,3-Dichloropropene          | 0.50              |
| 10061-02-6 | trans-1,3-Dichloropropene        | 0.50              |
| 76-14-2    | Freon 114                        | 0.50              |
| 100-41-4   | Ethyl Benzene                    | 0.50              |
| 622-96-8   | 4-Ethyltoluene                   | 0.50              |
| 87-68-3    | Hexachlorobutadiene              | 2.0               |
| 591-78-6   | 2-Hexanone                       | 2.0               |
| 75-09-2    | Methylene Chloride               | 5.0               |
| 108-10-1   | 4-Methyl-2-pentanone             | 0.50              |
| 100-42-5   | Styrene                          | 0.50              |
| 79-34-5    | 1,1,2,2-Tetrachloroethane        | 0.50              |
| 127-18-4   | Tetrachloroethene                | 0.50              |
| 108-88-3   | Toluene                          | 1.0               |
| 120-82-1   | 1,2,4-Trichlorobenzene           | 2.0               |
| 71-55-6    | 1,1,1-Trichloroethane            | 0.50              |
| 79-00-5    | 1,1,2-Trichloroethane            | 0.50              |
| 79-01-6    | Trichloroethene                  | 0.50              |
| 75-69-4    | Freon 11                         | 0.50              |
| 76-13-1    | Freon 113                        | 0.50              |
|            |                                  |                   |

# 1 2 3 4 5 6 7 8 9

# 🔅 eurofins Air Toxics

# Method : TO-15 (Sp)-Eurofins TA (CEC, OK)

| CAS Number    | Compound               | Rpt. Limit (ppbv) |
|---------------|------------------------|-------------------|
| 95-63-6       | 1,2,4-Trimethylbenzene | 0.50              |
| 108-67-8      | 1,3,5-Trimethylbenzene | 0.50              |
| 108-05-4      | Vinyl Acetate          | 2.0               |
| 75-01-4       | Vinyl Chloride         | 0.50              |
| 108-38-3      | m,p-Xylene             | 1.0               |
| 95-47-6       | o-Xylene               | 0.50              |
| 9999-9999-500 | TVOC Ref. to Hexane    | 10                |

|            | Surrogate             | Method Limits |  |
|------------|-----------------------|---------------|--|
| 2037-26-5  | Toluene-d8            | 70-130        |  |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 70-130        |  |
| 460-00-4   | 4-Bromofluorobenzene  | 70-130        |  |

| Receive  | ed by C                     | CD.                 | 6/4/  | 2025                | 5-10:0   | 9:4        | 9 AM            |  |  |  |  |          |      | OF           | _             |               |          |                     | Pa              | ige .                              | 123 of 2              | 250                     |
|--|-----------------------------|---------------------|---|---------------------|--|------------|-----------------|--|--|--|--|----------|------|--------------|---------------|---------------|----------|---------------------|-----------------|------------------------------------|-----------------------|-------------------------|
| White: Receiving Lab Yell                          | KEN 615-501                 | LABORATORY CONTACT: | RECEIVED IN LABORATORY BY:                    | METHOD OF SHIPMENT: | RELINQUISHED BY:                               | Singh a    | RELINGUISHED BY |  |  |  |  |          |      | 0411 42/0/12 | -             | Inte          | Date     | SAMPLERS SIGNATURE: |                 | SAMDI EDIS DOUTED                  |                       | 1<br>2<br>3<br>4        |
| Yellow: Equus Environmental Project File Pink: Equ | - 5035                      |                     |   | REDEV               |  |            |                 |  |  |  |  |          |      | 20240906 M-1 | 202406 M-2 KR | Sample ID     |          |                     |                 | Envirosamental, ELC (918) 921-5331 | EQUUS                 | 5<br>6<br>7<br>8<br>9   |
| Pink: Equus QA/QC                                  | ſ                           | TIME                | DATE  | TIME                | 600  |            |                 |  |  |  |  |          |      | AIR 1        | ATA I         | Sa<br># of Sa |          | Matrix<br>Contair   | hers            | ANR TOXIC                          | PROJECT NUMBER:       | CH                      |
|  | 180 BLUE RAVINE             | QAQC@Equus          | Send PDF, EDD, and INVOICE (If annitration to | AIRBILL NIMBER      | RECEIVED BY:                                   |            |                 |  |  |  |  |          |      |              | XX            | То-1<br>Тилс  |          | EXAN                | e¥              |                                    |                       | CHAIN OF CUSTODY RECORD |
|  | ".<br>INE RU STEB FOLSOM CA | EquusEnv.com        | 101CF (1 annitation                           |                     | CATION TIME TO<br>DATE                         | DATE ///// |                 |  |  |  |  |          |      |              |               |               |          |                     | IVIALI MURAVERU | PROJECT MANAGER:                   | PROJECT NAME: 2403263 |                         |
|  | CA 95% 3n                   |                     |   | Carrier A.eur       | Custody Seal Intact?<br>Ves NorNone Temp °C/MA | Br.y       |                 |  |  |  |  | Sect NID | (本)、 | TAC.#        |               |               | * C6-C12 |                     | JTAM            |                                    | 3.3 No. 2015          |                         |

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| Receive   | ed by (          | CD                  | : 6/4/  | /202                | 5 10.                  | :09:4             | 9 AN            | ſ |  |  |  |  |       |         | ç              |              |                |                |          |                    | Pag                 | ge 124      | t of 2          | 50                    |
|---|------------------|---------------------|---|---------------------|------------------------|-------------------|-----------------|---|--|--|--|--|-------|---------|----------------|--------------|----------------|----------------|----------|--------------------|---------------------|-------------|-----------------|-----------------------|
| White: Receiving Lab Ye                             |                  | LABORATORY CONTACT: | RECEIVED IN LABORATORY BY:                    | METHOD OF SHIPMENT: |                        | RELINDIAR HED BY. | RELINGUISHED BY |   |  |  |  |  |       |         |                | 9/10/24 /140 |                | Date Time      |          | SAMPLERS SIGNATURE |                     | er.         | age -           | 1<br>2<br>3<br>4      |
| Yelkow: Equus Environmental Project File. Pink: Equ | 1-5035           |                     |   | FEDEX               |                        | C                 |                 |   |  |  |  |  |       |         | T-12 01 0. 20X |              | 202406 M-4 100 | Sample ID      |          |                    | AME: (918) 921-5331 |             |                 | 5<br>6<br>7<br>8<br>9 |
| Pink: Equus QA/QC                                   | <u> </u>         | TIME                | DATE  | All                 |                        | TIME/500          |                 |   |  |  |  |  |       |         | AIR 1          |              | . #            | of Sam         |          |                    | ers 77              | SHIPPED TO: | PROJECT NUMBER: |                       |
|   | 180 BLUE RAL     | QAQC@Equus          | nd PDF, EDD, and INV                          | AIRBILL NUMBER      | RECEIVED BY:           | RECEIVED BY:      |                 |   |  |  |  |  |       |         | ××             |              | ~              | 0-15<br>12 c n |          | XaNl               | X I EXIL S          | }           | CUSTODY RE      |                       |
|   | RU STE B         | EquusEnv.com        | Send PDF, EDD, and INVOICE (If applicable) to |                     | 0                      |                   |                 |   |  |  |  |  |       |         |                |              |                |                |          |                    | MATTMULAVERO        | CHKSTATE M  | ECT NAME:       |                       |
| -   | FLSDM. (4 95% 30 |                     | 9820  | TIME                |                        | 1/10/1-4          |                 |   |  |  |  |  | Sart. | # two   | TAG #          | TAG K        |                |                | × C6 - ( |                    | IAI:                |             | 2409263         |                       |
|   | as               |                     |   | Canter Acua         | Yes Norione)Temp °C/VA |                   |                 |   |  |  |  |  |       | UZPLC # |                | R            | REMARKS        |                | -C12     | WO#                | J TANDARD           | coc _/of _/ | No. 2015        |                       |

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9/24/2024

7 8 9



**Air Toxics** 

| CAS Number | Compound                         | Rpt. Limit (ppbv) |
|------------|----------------------------------|-------------------|
| 67-64-1    | Acetone                          | 5.0               |
| 71-43-2    | Benzene                          | 0.50              |
| 100-44-7   | alpha-Chlorotoluene              | 0.50              |
| 75-27-4    | Bromodichloromethane             | 0.50              |
| 75-25-2    | Bromoform                        | 0.50              |
| 74-83-9    | Bromomethane                     | 5.0               |
| 78-93-3    | 2-Butanone (Methyl Ethyl Ketone) | 2.0               |
| 75-15-0    | Carbon Disulfide                 | 2.0               |
| 56-23-5    | Carbon Tetrachloride             | 0.50              |
| 108-90-7   | Chlorobenzene                    | 0.50              |
| 124-48-1   | Dibromochloromethane             | 0.50              |
| 75-00-3    | Chloroethane                     | 2.0               |
| 67-66-3    | Chloroform                       | 0.50              |
| 74-87-3    | Chloromethane                    | 5.0               |
| 106-93-4   | 1,2-Dibromoethane (EDB)          | 0.50              |
| 95-50-1    | 1,2-Dichlorobenzene              | 0.50              |
| 541-73-1   | 1,3-Dichlorobenzene              | 0.50              |
| 106-46-7   | 1,4-Dichlorobenzene              | 0.50              |
| 75-34-3    | 1,1-Dichloroethane               | 0.50              |
| 75-71-8    | Freon 12                         | 0.50              |
| 107-06-2   | 1,2-Dichloroethane               | 0.50              |
| 75-35-4    | 1,1-Dichloroethene               | 0.50              |
| 156-59-2   | cis-1,2-Dichloroethene           | 0.50              |
| 156-60-5   | trans-1,2-Dichloroethene         | 0.50              |
| 78-87-5    | 1,2-Dichloropropane              | 0.50              |
| 10061-01-5 | cis-1,3-Dichloropropene          | 0.50              |
| 10061-02-6 | trans-1,3-Dichloropropene        | 0.50              |
| 76-14-2    | Freon 114                        | 0.50              |
| 100-41-4   | Ethyl Benzene                    | 0.50              |
| 622-96-8   | 4-Ethyltoluene                   | 0.50              |
| 87-68-3    | Hexachlorobutadiene              | 2.0               |
| 591-78-6   | 2-Hexanone                       | 2.0               |
| 75-09-2    | Methylene Chloride               | 5.0               |
| 108-10-1   | 4-Methyl-2-pentanone             | 0.50              |
| 100-42-5   | Styrene                          | 0.50              |
| 79-34-5    | 1,1,2,2-Tetrachloroethane        | 0.50              |
| 127-18-4   | Tetrachloroethene                | 0.50              |
| 108-88-3   | Toluene                          | 1.0               |
| 120-82-1   | 1,2,4-Trichlorobenzene           | 2.0               |
| 71-55-6    | 1,1,1-Trichloroethane            | 0.50              |

# Method : TO-15 (Sp)-Eurofins TA (CEC, OK)

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| Compound               | Rpt. Limit (ppbv)  |
|------------------------|--|
| 1,1,2-Trichloroethane  | 0.50   |
| Trichloroethene        | 0.50   |
| Freon 11               | 0.50   |
| Freon 113              | 0.50   |
| 1,2,4-Trimethylbenzene | 0.50   |
| 1,3,5-Trimethylbenzene | 0.50   |
| Vinyl Acetate          | 2.0  |
| Vinyl Chloride         | 0.50   |
| m,p-Xylene             | 1.0  |
| o-Xylene               | 0.50   |
| TVOC Ref. to Hexane    | 10   |
|                        | 1,1,2-Trichloroethane<br>Trichloroethene<br>Freon 11<br>Freon 113<br>1,2,4-Trimethylbenzene<br>1,3,5-Trimethylbenzene<br>Vinyl Acetate<br>Vinyl Chloride<br>m,p-Xylene<br>o-Xylene |

Method : TO-15 (Sp)-Eurofins TA (CEC, OK)

| CAS Number | Surrogate             | Method Limits |  |
|------------|-----------------------|---------------|--|
| 2037-26-5  | Toluene-d8            | 70-130        |  |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 70-130        |  |
| 460-00-4   | 4-Bromofluorobenzene  | 70-130        |  |

Job Number: 180-179880-1 SDG Number: Property ID: 891077

List Source: Eurofins Pittsburgh

# Login Sample Receipt Checklist

Client: Chesapeake Energy Corporation

### Login Number: 179880 List Number: 1 Creator: Hayes, Ken

| Question   | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td></td> <td></td> |        |         |
| The cooler's custody seal, if present, is intact.  |        |         |
| Sample custody seals, if present, are intact.  |        |         |
| The cooler or samples do not appear to have been compromised or tampered with.                         |        |         |
| Samples were received on ice.  |        |         |
| Cooler Temperature is acceptable.  |        |         |
| Cooler Temperature is recorded.  |        |         |
| COC is present.  |        |         |
| COC is filled out in ink and legible.  |        |         |
| COC is filled out with all pertinent information.  |        |         |
| Is the Field Sampler's name present on COC?  |        |         |
| There are no discrepancies between the containers received and the COC.                                |        |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)                          |        |         |
| Sample containers have legible labels.   |        |         |
| Containers are not broken or leaking.  |        |         |
| Sample collection date/times are provided.   |        |         |
| Appropriate sample containers are used.  |        |         |
| Sample bottles are completely filled.  |        |         |
| Sample Preservation Verified.  |        |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs                       |        |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").                        |        |         |
| Multiphasic samples are not present.   |        |         |
| Samples do not require splitting or compositing.   |        |         |
| Residual Chlorine Checked.   |        |         |



**Environment Testing** 

# **ANALYTICAL REPORT**

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# PREPARED FOR

Attn: Dana Drury Chesapeake Energy Corporation PO BOX 548806 Oklahoma City, Oklahoma 73154 Generated 12/12/2024 5:43:33 PM

# JOB DESCRIPTION

Equus - Chesapeake Property ID: 891077

# **JOB NUMBER**

180-183776-1

Eurofins Pittsburgh 301 Alpha Drive RIDC Park Pittsburgh PA 15238

See page two for job notes and contact information



# **Eurofins Pittsburgh**

**Job Notes** 

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

**Authorization** 

Kunth Hay

Generated 12/12/2024 5:43:33 PM

Authorized for release by Ken Hayes, Project Manager II Ken.Hayes@et.eurofinsus.com (615)301-5035

Eurofins Pittsburgh is a laboratory within Eurofins Environment Testing Northeast LLC, a company within Eurofins Environment Testing Group of Companies 12/12/2024

Page 2 of 25

Laboratory Job ID: 180-183776-1 SDG: Property ID: 891077

| Cover Page           | 1  |
|----------------------|----|
| Table of Contents    | 3  |
| Case Narrative       | 4  |
| Definitions/Glossary | 5  |
| Sample Summary       | 6  |
| Method Summary       | 7  |
| Subcontract Data     | 8  |
| Chain of Custody     | 24 |
| Receipt Checklists   | 25 |

# **Case Narrative**

Client: Chesapeake Energy Corporation Project: Equus - Chesapeake

# Job ID: 180-183776-1

# Eurofins Pittsburgh

# Job ID: 180-183776-1

### Job Narrative 180-183776-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
  situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
  specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Receipt

The sample was received on 12/6/2024 10:11 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

### Subcontract Work

Method TO 15: This method was subcontracted to Eurofins Air Toxics, Inc. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

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**Eurofins Pittsburgh** 

PQL

PRES

QC

RER

RL RPD

TEF

TEQ

TNTC

Client: Chesapeake Energy Corporation Project/Site: Equus - Chesapeake

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Presumptive

Quality Control

Job ID: 180-183776-1 SDG: Property ID: 891077

| Glossary                    |   | 2 |
|-----------------------------|---|---|
| Abbreviation                | These commonly used abbreviations may or may not be present in this report.                                 |   |
| <del></del><br><del> </del> | Listed under the "D" column to designate that the result is reported on a dry weight basis                  | 4 |
| %R                          | Percent Recovery  |   |
| CFL                         | Contains Free Liquid  | 5 |
| CFU                         | Colony Forming Unit   |   |
| CNF                         | Contains No Free Liquid   |   |
| DER                         | Duplicate Error Ratio (normalized absolute difference)  |   |
| Dil Fac                     | Dilution Factor   |   |
| DL                          | Detection Limit (DoD/DOE)   |   |
| DL, RA, RE, IN              | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |   |
| DLC                         | Decision Level Concentration (Radiochemistry)   | ŏ |
| EDL                         | Estimated Detection Limit (Dioxin)  |   |
| LOD                         | Limit of Detection (DoD/DOE)  | 9 |
| LOQ                         | Limit of Quantitation (DoD/DOE)   |   |
| MCL                         | EPA recommended "Maximum Contaminant Level"   |   |
| MDA                         | Minimum Detectable Activity (Radiochemistry)  |   |
| MDC                         | Minimum Detectable Concentration (Radiochemistry)   |   |
| MDL                         | Method Detection Limit  |   |
| ML                          | Minimum Level (Dioxin)  |   |
| MPN                         | Most Probable Number  |   |
| MQL                         | Method Quantitation Limit   |   |
| NC                          | Not Calculated  |   |
| ND                          | Not Detected at the reporting limit (or MDL or EDL if shown)  |   |
| NEG                         | Negative / Absent   |   |
| POS                         | Positive / Present  |   |

# **Sample Summary**

Client: Chesapeake Energy Corporation Project/Site: Equus - Chesapeake Job ID: 180-183776-1 SDG: Property ID: 891077

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 180-183776-1  | 20241122M-1      | Air    | 11/22/24 12:25 | 12/06/24 10:11 |
|               |                  |        |                |                |

# **Method Summary**

# Client: Chesapeake Energy Corporation Project/Site: Equus - Chesapeake

Job ID: 180-183776-1 SDG: Property ID: 891077

| Method     | Method Description   | Protocol | Laboratory |     |
|------------|--|----------|------------|-----|
| TO-15      | TO-15  | EPA      | Eurofins   | -   |
| Protocol R | eferences:   |          |            | ÷.  |
| EPA = l    | JS Environmental Protection Agency                                       |          |            | - 5 |
| Laboratory | / References:  |          |            |     |
| Eurofine   | s = Eurofins Air Toxics, 180 Blue Ravine Road, Suite B, Folsom, CA 95630 |          |            |     |
|            |  |          |            |     |
|            |  |          |            |     |
|            |  |          |            |     |

### **Protocol References:**

### Laboratory References:

**Eurofins Pittsburgh** 

Received by OCD: 6/4/2025 10:09:49 AM



# **Air Toxics**

12/12/2024 Mr. Ken Hayes Eurofins Environment Testing 301 Alpha Dr.

Pittsburgh PA 15238

Project Name: CHKSTATE M Project #: CHKSTATM Workorder #: 2411743

Dear Mr. Ken Hayes

The following report includes the data for the above referenced project for sample(s) received on 11/27/2024 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Brian Whittaker at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Brian Whettake

Brian Whittaker Project Manager

Eurofins Air Toxics, LLC

180 Blue Ravine Road, Suite B Folsom, CA 95630

T 916-985-1000 F 916-351-8279 www.airtoxics.com

**Air Toxics** 

### **WORK ORDER #:** 2411743

### Work Order Summary

| CLIENT:                           | Mr. Ken Hayes<br>Eurofins Environment Testing<br>301 Alpha Dr.<br>Pittsburgh, PA 15238 | BILL TO:      | Mr. Ken Hayes<br>Eurofins Environment Testing<br>301 Alpha Dr.<br>Pittsburgh, PA 15238 |
|-----------------------------------|--|---------------|--|
| PHONE:                            |  | <b>P.O.</b> # | CHKSTATM   |
| FAX:                              |  | PROJECT #     | CHKSTATM CHKSTATE M  |
| DATE RECEIVED:<br>DATE COMPLETED: | 11/27/2024<br>12/12/2024   | CONTACT:      | Brian Whittaker  |
| DATE COMPLETED:                   | 12/12/2024   |               |  |

|            |             |       | RECEIPT    | FINAL    |
|------------|-------------|-------|------------|----------|
| FRACTION # | NAME        | TEST  | VAC./PRES. | PRESSURE |
| 01A        | 20241122M-1 | TO-15 | 12.0 "Hg   | 2 psi    |
| 02A        | Lab Blank   | TO-15 | NA         | NA       |
| 03A        | CCV         | TO-15 | NA         | NA       |
| 04A        | LCS         | TO-15 | NA         | NA       |
| 04AA       | LCSD        | TO-15 | NA         | NA       |

CERTIFIED BY:

las

DATE: <u>12/12/24</u>

**Technical Director** 

Cert. No.: AZ Licensure-AZ0775, FL NELAP-E87680, LA NELAP-02089, MN NELAP-2703122, NH NELAP-209223-B, NJ NELAP-CA016, NY NELAP-11291, TX NELAP-T104704434, UT NELAP-CA009332023-16, VA NELAP-12695, WA NELAP-C935 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-20 Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

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Page 2 of 16 Page 9 of 25 **Air Toxics** 

## LABORATORY NARRATIVE EPA Method TO-15 Eurofins Environment Testing Workorder# 2411743

One 6 Liter Summa Canister sample was received on November 27, 2024. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

# **Receiving Notes**

There were no receiving discrepancies.

# **Analytical Notes**

A single point calibration for TVOC (Total Volatile Organic Compounds) referenced to Hexane was performed for each daily analytical batch. Recovery is reported as 100% in the associated results for each CCV.

TVOC (Total Volatile Organic Compounds) referenced to Hexane includes area counts for peaks that elute from Hexane minus 0.08 minutes to Naphthalene plus 0.08 minutes and quantitating the area based on the response factor of Hexane.

# **Definition of Data Qualifying Flags**

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

- J Estimated value.
- E Exceeds instrument calibration range.
- S Saturated peak.
- Q Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

- M Reported value may be biased due to apparent matrix interferences.
- CN See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



# Air Toxics

# Summary of Detected Compounds EPA METHOD TO-15 GC/MS FULL SCAN

# Client Sample ID: 20241122M-1

Lab ID#: 2411743-01A

| Compound            | Rpt. Limit | Amount | Rpt. Limit | Amount  |
|---------------------|------------|--------|------------|---------|
|                     | (ppbv)     | (ppbv) | (ug/m3)    | (ug/m3) |
| TVOC Ref. to Hexane | 19         | 1900   | 67         | 6700    |

**Air Toxics** 

# Client Sample ID: 20241122M-1 Lab ID#: 2411743-01A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor:       | 91121112<br>1.89     | Date of Collection: 11/22/24 12:25:00 P<br>Date of Analysis: 12/11/24 05:22 PM |                       |                   |
|----------------------------------|----------------------|--|-----------------------|-------------------|
| Compound                         | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv)   | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
| Acetone                          | 9.4                  | Not Detected   | 22                    | Not Detected      |
| Benzene                          | 0.94                 | Not Detected   | 3.0                   | Not Detected      |
| alpha-Chlorotoluene              | 0.94                 | Not Detected   | 4.9                   | Not Detected      |
| Bromodichloromethane             | 0.94                 | Not Detected   | 6.3                   | Not Detected      |
| Bromoform                        | 0.94                 | Not Detected   | 9.8                   | Not Detected      |
| Bromomethane                     | 9.4                  | Not Detected   | 37                    | Not Detected      |
| 2-Butanone (Methyl Ethyl Ketone) | 3.8                  | Not Detected   | 11                    | Not Detected      |
| Carbon Disulfide                 | 3.8                  | Not Detected   | 12                    | Not Detected      |
| Carbon Tetrachloride             | 0.94                 | Not Detected   | 5.9                   | Not Detected      |
| Chlorobenzene                    | 0.94                 | Not Detected   | 4.4                   | Not Detected      |
| Dibromochloromethane             | 0.94                 | Not Detected   | 8.0                   | Not Detected      |
| Chloroethane                     | 3.8                  | Not Detected   | 10                    | Not Detected      |
| Chloroform                       | 0.94                 | Not Detected   | 4.6                   | Not Detected      |
| Chloromethane                    | 9.4                  | Not Detected   | 20                    | Not Detected      |
| 1,2-Dibromoethane (EDB)          | 0.94                 | Not Detected   | 7.3                   | Not Detected      |
| 1,2-Dichlorobenzene              | 0.94                 | Not Detected   | 5.7                   | Not Detected      |
| 1,3-Dichlorobenzene              | 0.94                 | Not Detected   | 5.7                   | Not Detected      |
| 1,4-Dichlorobenzene              | 0.94                 | Not Detected   | 5.7                   | Not Detected      |
| 1,1-Dichloroethane               | 0.94                 | Not Detected   | 3.8                   | Not Detected      |
| Freon 12                         | 0.94                 | Not Detected   | 4.7                   | Not Detected      |
| 1,2-Dichloroethane               | 0.94                 | Not Detected   | 3.8                   | Not Detected      |
| 1,1-Dichloroethene               | 0.94                 | Not Detected   | 3.7                   | Not Detected      |
| cis-1,2-Dichloroethene           | 0.94                 | Not Detected   | 3.7                   | Not Detected      |
| trans-1,2-Dichloroethene         | 0.94                 | Not Detected   | 3.7                   | Not Detected      |
| 1,2-Dichloropropane              | 0.94                 | Not Detected   | 4.4                   | Not Detected      |
| cis-1,3-Dichloropropene          | 0.94                 | Not Detected   | 4.3                   | Not Detected      |
| trans-1,3-Dichloropropene        | 0.94                 | Not Detected   | 4.3                   | Not Detected      |
| Freon 114                        | 0.94                 | Not Detected   | 6.6                   | Not Detected      |
| Ethyl Benzene                    | 0.94                 | Not Detected   | 4.1                   | Not Detected      |
| 4-Ethyltoluene                   | 0.94                 | Not Detected   | 4.6                   | Not Detected      |
| Hexachlorobutadiene              | 3.8                  | Not Detected   | 40                    | Not Detected      |
| 2-Hexanone                       | 3.8                  | Not Detected   | 15                    | Not Detected      |
| Methylene Chloride               | 9.4                  | Not Detected   | 33                    | Not Detected      |
| 4-Methyl-2-pentanone             | 0.94                 | Not Detected   | 3.9                   | Not Detected      |
| Styrene                          | 0.94                 | Not Detected   | 4.0                   | Not Detected      |
| 1,1,2,2-Tetrachloroethane        | 0.94                 | Not Detected   | 6.5                   | Not Detected      |
| Tetrachloroethene                | 0.94                 | Not Detected   | 6.4                   | Not Detected      |
| Toluene                          | 1.9                  | Not Detected   | 7.1                   | Not Detected      |
| 1,2,4-Trichlorobenzene           | 3.8                  | Not Detected   | 28                    | Not Detected      |
| 1,1,1-Trichloroethane            | 0.94                 | Not Detected   | 5.2                   | Not Detected      |
|                                  | 0.94                 | Not Detected   | 5.2                   | Not Detected      |
| 1,1,2-Trichloroethane            |                      |  |                       |                   |
| Trichloroethene                  | 0.94                 | Not Detected   | 5.1                   | Not Detected      |

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**Air Toxics** 

# Client Sample ID: 20241122M-1 Lab ID#: 2411743-01A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor: | 91121112<br>1.89     | Date of Collection: 11/22/24 12:25:00 P<br>Date of Analysis: 12/11/24 05:22 PM |                       |                   |
|----------------------------|----------------------|--|-----------------------|-------------------|
| Compound                   | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv)   | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
| Freon 11                   | 0.94                 | Not Detected   | 5.3                   | Not Detected      |
| Freon 113                  | 0.94                 | Not Detected   | 7.2                   | Not Detected      |
| 1,2,4-Trimethylbenzene     | 0.94                 | Not Detected   | 4.6                   | Not Detected      |
| 1,3,5-Trimethylbenzene     | 0.94                 | Not Detected   | 4.6                   | Not Detected      |
| Vinyl Acetate              | 3.8                  | Not Detected   | 13                    | Not Detected      |
| Vinyl Chloride             | 0.94                 | Not Detected   | 2.4                   | Not Detected      |
| m,p-Xylene                 | 1.9                  | Not Detected   | 8.2                   | Not Detected      |
| o-Xylene                   | 0.94                 | Not Detected   | 4.1                   | Not Detected      |
| TVOC Ref. to Hexane        | 19                   | 1900   | 67                    | 6700              |

# Container Type: 6 Liter Summa Canister

|                       |           | Method |
|-----------------------|-----------|--------|
| Surrogates            | %Recovery | Limits |
| Toluene-d8            | 85        | 70-130 |
| 1,2-Dichloroethane-d4 | 88        | 70-130 |
| 4-Bromofluorobenzene  | 86        | 70-130 |

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# Client Sample ID: Lab Blank Lab ID#: 2411743-02A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor:       | 91121106c<br>1.00 | Date of Collection: NA<br>Date of Analysis: 12/11/24 11:31 AM |            |              |
|----------------------------------|-------------------|---|------------|--------------|
|                                  | Rpt. Limit        | Amount  | Rpt. Limit | Amount       |
| Compound                         | (ppbv)            | (ppbv)  | (ug/m3)    | (ug/m3)      |
| Acetone                          | 5.0               | Not Detected  | 12         | Not Detected |
| Benzene                          | 0.50              | Not Detected  | 1.6        | Not Detected |
| alpha-Chlorotoluene              | 0.50              | Not Detected  | 2.6        | Not Detected |
| Bromodichloromethane             | 0.50              | Not Detected  | 3.4        | Not Detected |
| Bromoform                        | 0.50              | Not Detected  | 5.2        | Not Detected |
| Bromomethane                     | 5.0               | Not Detected  | 19         | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 2.0               | Not Detected  | 5.9        | Not Detected |
| Carbon Disulfide                 | 2.0               | Not Detected  | 6.2        | Not Detected |
| Carbon Tetrachloride             | 0.50              | Not Detected  | 3.1        | Not Detected |
| Chlorobenzene                    | 0.50              | Not Detected  | 2.3        | Not Detected |
| Dibromochloromethane             | 0.50              | Not Detected  | 4.2        | Not Detected |
| Chloroethane                     | 2.0               | Not Detected  | 5.3        | Not Detected |
| Chloroform                       | 0.50              | Not Detected  | 2.4        | Not Detected |
| Chloromethane                    | 5.0               | Not Detected  | 10         | Not Detected |
| 1,2-Dibromoethane (EDB)          | 0.50              | Not Detected  | 3.8        | Not Detected |
| 1,2-Dichlorobenzene              | 0.50              | Not Detected  | 3.0        | Not Detected |
| 1,3-Dichlorobenzene              | 0.50              | Not Detected  | 3.0        | Not Detected |
| 1,4-Dichlorobenzene              | 0.50              | Not Detected  | 3.0        | Not Detected |
| 1,1-Dichloroethane               | 0.50              | Not Detected  | 2.0        | Not Detected |
| Freon 12                         | 0.50              | Not Detected  | 2.5        | Not Detected |
| 1,2-Dichloroethane               | 0.50              | Not Detected  | 2.0        | Not Detected |
| 1,1-Dichloroethene               | 0.50              | Not Detected  | 2.0        | Not Detected |
| cis-1,2-Dichloroethene           | 0.50              | Not Detected  | 2.0        | Not Detected |
| trans-1,2-Dichloroethene         | 0.50              | Not Detected  | 2.0        | Not Detected |
| 1,2-Dichloropropane              | 0.50              | Not Detected  | 2.3        | Not Detected |
| cis-1,3-Dichloropropene          | 0.50              | Not Detected  | 2.3        | Not Detected |
| trans-1,3-Dichloropropene        | 0.50              | Not Detected  | 2.3        | Not Detected |
| Freon 114                        | 0.50              | Not Detected  | 3.5        | Not Detected |
| Ethyl Benzene                    | 0.50              | Not Detected  | 2.2        | Not Detected |
| 4-Ethyltoluene                   | 0.50              | Not Detected  | 2.4        | Not Detected |
| Hexachlorobutadiene              | 2.0               | Not Detected  | 21         | Not Detected |
| 2-Hexanone                       | 2.0               | Not Detected  | 8.2        | Not Detected |
| Methylene Chloride               | 5.0               | Not Detected  | 17         | Not Detected |
| 4-Methyl-2-pentanone             | 0.50              | Not Detected  | 2.0        | Not Detected |
| Styrene                          | 0.50              | Not Detected  | 2.1        | Not Detected |
| 1,1,2,2-Tetrachloroethane        | 0.50              | Not Detected  | 3.4        | Not Detected |
| Tetrachloroethene                | 0.50              | Not Detected  | 3.4        | Not Detected |
| Toluene                          | 1.0               | Not Detected  | 3.8        | Not Detected |
| 1,2,4-Trichlorobenzene           | 2.0               | Not Detected  | 15         | Not Detected |
| 1,1,1-Trichloroethane            | 0.50              | Not Detected  | 2.7        | Not Detected |
| 1,1,2-Trichloroethane            | 0.50              | Not Detected  | 2.7        | Not Detected |
| Trichloroethene                  | 0.50              | Not Detected  | 2.7        | Not Detected |
| monioroethene                    | 0.00              |   | 2.1        |              |



**eurofins** Air Toxics

# Client Sample ID: Lab Blank Lab ID#: 2411743-02A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor: | 91121106c<br>1.00    | Date of Collection: NA<br>Date of Analysis: 12/11/24 11:31 AM |                       |                   |
|----------------------------|----------------------|---|-----------------------|-------------------|
| Compound                   | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv)  | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
| Freon 11                   | 0.50                 | Not Detected  | 2.8                   | Not Detected      |
| Freon 113                  | 0.50                 | Not Detected  | 3.8                   | Not Detected      |
| 1,2,4-Trimethylbenzene     | 0.50                 | Not Detected  | 2.4                   | Not Detected      |
| 1,3,5-Trimethylbenzene     | 0.50                 | Not Detected  | 2.4                   | Not Detected      |
| Vinyl Acetate              | 2.0                  | Not Detected  | 7.0                   | Not Detected      |
| Vinyl Chloride             | 0.50                 | Not Detected  | 1.3                   | Not Detected      |
| m,p-Xylene                 | 1.0                  | Not Detected  | 4.3                   | Not Detected      |
| o-Xylene                   | 0.50                 | Not Detected  | 2.2                   | Not Detected      |
| TVOC Ref. to Hexane        | 10                   | Not Detected  | 35                    | Not Detected      |

# **Container Type: NA - Not Applicable**

|                       |           | Method<br>Limits |
|-----------------------|-----------|------------------|
| Surrogates            | %Recovery |                  |
| Toluene-d8            | 88        | 70-130           |
| 1,2-Dichloroethane-d4 | 88        | 70-130           |
| 4-Bromofluorobenzene  | 88        | 70-130           |



Air Toxics

# Client Sample ID: CCV Lab ID#: 2411743-03A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:                       | 91121103  |           | Date of Collection: NA              |
|----------------------------------|-----------|-----------|-------------------------------------|
| Dil. Factor:                     | 1.00      |           | Date of Analysis: 12/11/24 10:10 AM |
| Compound                         | %Recovery |           |                                     |
| Acetone                          |           | 89        |                                     |
| Benzene                          |           | 91        |                                     |
| alpha-Chlorotoluene              |           | 92        |                                     |
| Bromodichloromethane             |           | 89        |                                     |
| Bromoform                        |           | 92        |                                     |
| Bromomethane                     |           | 100       |                                     |
| 2-Butanone (Methyl Ethyl Ketone) |           | 92        |                                     |
| Carbon Disulfide                 |           | 84        |                                     |
| Carbon Tetrachloride             |           | 89        |                                     |
| Chlorobenzene                    |           | 94        |                                     |
| Dibromochloromethane             |           | 96        |                                     |
| Chloroethane                     |           | 96        |                                     |
| Chloroform                       |           | 88        |                                     |
| Chloromethane                    |           | 91        |                                     |
| 1,2-Dibromoethane (EDB)          |           | 91        |                                     |
| 1,2-Dichlorobenzene              |           | 99        |                                     |
| 1,3-Dichlorobenzene              |           | 100       |                                     |
| 1,4-Dichlorobenzene              |           | 104       |                                     |
| 1,1-Dichloroethane               |           | 85        |                                     |
| Freon 12                         |           | 93        |                                     |
| 1,2-Dichloroethane               |           | 83        |                                     |
| 1,1-Dichloroethene               |           | 99        |                                     |
| cis-1,2-Dichloroethene           |           | 100       |                                     |
| trans-1,2-Dichloroethene         |           | 96        |                                     |
| 1,2-Dichloropropane              |           | 86        |                                     |
| cis-1,3-Dichloropropene          |           | 93        |                                     |
| trans-1,3-Dichloropropene        |           | 93        |                                     |
| Freon 114                        |           | 92        |                                     |
| Ethyl Benzene                    |           | 101       |                                     |
| 4-Ethyltoluene                   |           | 106       |                                     |
| Hexachlorobutadiene              |           | 100       |                                     |
| 2-Hexanone                       |           | 103       |                                     |
| Methylene Chloride               |           | 84        |                                     |
| 4-Methyl-2-pentanone             |           | 105       |                                     |
| Styrene                          |           | 103       |                                     |
| 1,1,2,2-Tetrachloroethane        |           | 88        |                                     |
| Tetrachloroethene                |           | 100       |                                     |
| Toluene                          |           | 86<br>102 |                                     |
| 1,2,4-Trichlorobenzene           |           |           |                                     |
|                                  |           | 88        |                                     |
| 1,1,2-Trichloroethane            |           | 88        |                                     |
| Trichloroethene                  |           | 89        |                                     |



# **Air Toxics**

# Client Sample ID: CCV Lab ID#: 2411743-03A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:             | 91121103 | Date of Collection: NA              |
|------------------------|----------|-------------------------------------|
| Dil. Factor:           | 1.00     | Date of Analysis: 12/11/24 10:10 AM |
| Compound               |          | %Recovery                           |
| Freon 11               |          | 91                                  |
| Freon 113              |          | 101                                 |
| 1,2,4-Trimethylbenzene |          | 106                                 |
| 1,3,5-Trimethylbenzene |          | 104                                 |
| Vinyl Acetate          |          | 94                                  |
| Vinyl Chloride         |          | 102                                 |
| m,p-Xylene             |          | 101                                 |
| o-Xylene               |          | 105                                 |
| TVOC Ref. to Hexane    |          | 100                                 |

# **Container Type: NA - Not Applicable**

|                       |           | Method<br>Limits |
|-----------------------|-----------|------------------|
| Surrogates            | %Recovery |                  |
| Toluene-d8            | 87        | 70-130           |
| 1,2-Dichloroethane-d4 | 82        | 70-130           |
| 4-Bromofluorobenzene  | 88        | 70-130           |
| C        |
|----------|
| eurofins |
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**Air Toxics** 

#### Client Sample ID: LCS Lab ID#: 2411743-04A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor:       |           | ollection: NA<br>nalysis: 12/11/24 10:36 AM |
|----------------------------------|-----------|---|
|                                  |           | Method                                      |
| Compound                         | %Recovery | Limits                                      |
| Acetone                          | 84        | 70-130                                      |
| Benzene                          | 92        | 70-130                                      |
| alpha-Chlorotoluene              | 93        | 70-130                                      |
| Bromodichloromethane             | 86        | 70-130                                      |
| Bromoform                        | 91        | 70-130                                      |
| Bromomethane                     | 97        | 70-130                                      |
| 2-Butanone (Methyl Ethyl Ketone) | 90        | 70-130                                      |
| Carbon Disulfide                 | 81        | 70-130                                      |
| Carbon Tetrachloride             | 89        | 70-130                                      |
| Chlorobenzene                    | 93        | 70-130                                      |
| Dibromochloromethane             | 95        | 70-130                                      |
| Chloroethane                     | 92        | 70-130                                      |
| Chloroform                       | 85        | 70-130                                      |
| Chloromethane                    | 92        | 70-130                                      |
| 1,2-Dibromoethane (EDB)          | 89        | 70-130                                      |
| 1,2-Dichlorobenzene              | 99        | 70-130                                      |
| 1,3-Dichlorobenzene              | 103       | 70-130                                      |
| 1,4-Dichlorobenzene              | 106       | 70-130                                      |
| 1,1-Dichloroethane               | 82        | 70-130                                      |
| Freon 12                         | 88        | 70-130                                      |
|                                  |           | 70-130                                      |
| 1,2-Dichloroethane               | 93        | 70-130                                      |
| 1,1-Dichloroethene               | 93        | 70-130                                      |
| cis-1,2-Dichloroethene           | 97        | 70-130                                      |
| trans-1,2-Dichloroethene         | 92<br>85  | 70-130                                      |
| 1,2-Dichloropropane              |           |   |
| cis-1,3-Dichloropropene          | 95        | 70-130                                      |
| trans-1,3-Dichloropropene        | 93        | 70-130                                      |
| Freon 114                        | 88        | 70-130                                      |
| Ethyl Benzene                    | 103       | 70-130                                      |
| 4-Ethyltoluene                   | 104       | 70-130                                      |
| Hexachlorobutadiene              | 118       | 70-130                                      |
| 2-Hexanone                       | 100       | 70-130                                      |
| Methylene Chloride               | 80        | 70-130                                      |
| 4-Methyl-2-pentanone             | 101       | 70-130                                      |
| Styrene                          | 105       | 70-130                                      |
| 1,1,2,2-Tetrachloroethane        | 89        | 70-130                                      |
| Tetrachloroethene                | 99        | 70-130                                      |
| Toluene                          | 87        | 70-130                                      |
| 1,2,4-Trichlorobenzene           | 117       | 70-130                                      |
| 1,1,1-Trichloroethane            | 88        | 70-130                                      |
| 1,1,2-Trichloroethane            | 88        | 70-130                                      |
| Trichloroethene                  | 88        | 70-130                                      |



#### **Air Toxics**

#### Client Sample ID: LCS Lab ID#: 2411743-04A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor: | 91121104<br>1.00 |            | Date of Collection: NA<br>Date of Analysis: 12/11/24 10:36 AM |  |  |  |  |  |  |
|----------------------------|------------------|------------|---|--|--|--|--|--|--|
| Compound                   |                  | %Recovery  | Method<br>Limits  |  |  |  |  |  |  |
| Freon 11                   |                  | 89         | 70-130  |  |  |  |  |  |  |
| Freon 113                  |                  | 95         | 70-130  |  |  |  |  |  |  |
| 1,2,4-Trimethylbenzene     |                  | 108        | 70-130  |  |  |  |  |  |  |
| 1,3,5-Trimethylbenzene     |                  | 105        | 70-130  |  |  |  |  |  |  |
| Vinyl Acetate              |                  | 108        | 70-130  |  |  |  |  |  |  |
| Vinyl Chloride             |                  | 98         | 70-130  |  |  |  |  |  |  |
| m,p-Xylene                 |                  | 100        | 70-130  |  |  |  |  |  |  |
| o-Xylene                   |                  | 106        | 70-130  |  |  |  |  |  |  |
| TVOC Ref. to Hexane        |                  | Not Spiked |   |  |  |  |  |  |  |

#### **Container Type: NA - Not Applicable**

|                       |           | Method |
|-----------------------|-----------|--------|
| Surrogates            | %Recovery | Limits |
| Toluene-d8            | 88        | 70-130 |
| 1,2-Dichloroethane-d4 | 81        | 70-130 |
| 4-Bromofluorobenzene  | 87        | 70-130 |



**Air Toxics** 

#### Client Sample ID: LCSD Lab ID#: 2411743-04AA EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor:       | 91121105 Date of Collec |                        |
|----------------------------------|-------------------------|------------------------|
| טוו. רמנוטו.                     | 1.00 Date of Analys     | sis: 12/11/24 11:02 AM |
| Compound                         | %Recovery               | Method<br>Limits       |
|                                  |                         |                        |
| Acetone                          | 85                      | 70-130                 |
| Benzene                          | 94                      | 70-130                 |
| alpha-Chlorotoluene              | 94                      | 70-130                 |
| Bromodichloromethane             | 89                      | 70-130                 |
|                                  | 92                      | 70-130                 |
| Bromomethane                     | 99                      | 70-130                 |
| 2-Butanone (Methyl Ethyl Ketone) | 92                      | 70-130                 |
| Carbon Disulfide                 | 81                      | 70-130                 |
| Carbon Tetrachloride             | 90                      | 70-130                 |
| Chlorobenzene                    |                         | 70-130                 |
| Dibromochloromethane             | 96                      | 70-130                 |
| Chloroethane                     | 91                      | 70-130                 |
| Chloroform                       | 86                      | 70-130                 |
| Chloromethane                    | 94                      | 70-130                 |
| 1,2-Dibromoethane (EDB)          | 91                      | 70-130                 |
| 1,2-Dichlorobenzene              | 101                     | 70-130                 |
| 1,3-Dichlorobenzene              | 102                     | 70-130                 |
| 1,4-Dichlorobenzene              | 107                     | 70-130                 |
| 1,1-Dichloroethane               | 83                      | 70-130                 |
| Freon 12                         | 91                      | 70-130                 |
| 1,2-Dichloroethane               | 83                      | 70-130                 |
| 1,1-Dichloroethene               | 94                      | 70-130                 |
| cis-1,2-Dichloroethene           | 98                      | 70-130                 |
| trans-1,2-Dichloroethene         | 94                      | 70-130                 |
| 1,2-Dichloropropane              | 87                      | 70-130                 |
| cis-1,3-Dichloropropene          | 96                      | 70-130                 |
| trans-1,3-Dichloropropene        | 96                      | 70-130                 |
| Freon 114                        | 88                      | 70-130                 |
| Ethyl Benzene                    | 105                     | 70-130                 |
| 4-Ethyltoluene                   | 107                     | 70-130                 |
| Hexachlorobutadiene              | 119                     | 70-130                 |
| 2-Hexanone                       | 100                     | 70-130                 |
| Methylene Chloride               | 81                      | 70-130                 |
| 4-Methyl-2-pentanone             | 102                     | 70-130                 |
| Styrene                          | 105                     | 70-130                 |
| 1,1,2,2-Tetrachloroethane        | 90                      | 70-130                 |
| Tetrachloroethene                | 102                     | 70-130                 |
| Toluene                          | 88                      | 70-130                 |
| 1,2,4-Trichlorobenzene           | 120                     | 70-130                 |
| 1,1,1-Trichloroethane            | 89                      | 70-130                 |
|                                  | 90                      | 70-130                 |
| 1,1,2-Trichloroethane            |                         |                        |
| Trichloroethene                  | 88                      | 70-130                 |

Released to Imaging: 6/17/2025 9:46:51 AM



🔅 eurofins

#### **Air Toxics**

#### Client Sample ID: LCSD Lab ID#: 2411743-04AA EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor: | 91121105<br>1.00 |            | Date of Collection: NA<br>Date of Analysis: 12/11/24 11:02 AM |  |  |  |  |  |  |
|----------------------------|------------------|------------|---|--|--|--|--|--|--|
| Compound                   |                  | %Recovery  | Method<br>Limits  |  |  |  |  |  |  |
| Freon 11                   |                  | 90         | 70-130  |  |  |  |  |  |  |
| Freon 113                  |                  | 96         | 70-130  |  |  |  |  |  |  |
| 1,2,4-Trimethylbenzene     |                  | 110        | 70-130  |  |  |  |  |  |  |
| 1,3,5-Trimethylbenzene     |                  | 106        | 70-130  |  |  |  |  |  |  |
| Vinyl Acetate              |                  | 111        | 70-130  |  |  |  |  |  |  |
| Vinyl Chloride             |                  | 98         | 70-130  |  |  |  |  |  |  |
| m,p-Xylene                 |                  | 103        | 70-130  |  |  |  |  |  |  |
| o-Xylene                   |                  | 107        | 70-130  |  |  |  |  |  |  |
| TVOC Ref. to Hexane        |                  | Not Spiked |   |  |  |  |  |  |  |

#### **Container Type: NA - Not Applicable**

|                       |           | Method |
|-----------------------|-----------|--------|
| Surrogates            | %Recovery | Limits |
| Toluene-d8            | 89        | 70-130 |
| 1,2-Dichloroethane-d4 | 83        | 70-130 |
| 4-Bromofluorobenzene  | 87        | 70-130 |

## 1 2 3 4 5 6 7 8 9

# Seurofins | Air Toxics

| Method : TO-15 (Sp)-Eurofins TA (CEC, OK) |
|---|
|---|

| 67-64-1         Acetone         5.0           71-43-2         Benzene         0.50           75-27-4         Bromodichloromethane         0.50           75-28-2         Bromodichloromethane         0.50           75-28-3         Bromodichloromethane         5.0           74-83-9         Bromomethane         5.0           75-15-0         Carbon Disulfide         2.0           56-23-5         Carbon Disulfide         0.50           108-80-7         Chlorobenzene         0.50           124-48-1         Dibromochloromethane         0.50           124-48-1         1.2-Dichlorobenzene         0.50           124-48-1         1.2-Dichlorobenzene         0.50           106-63         1.4-Dichlorobenzene         0.50           106-64-7         1.4-Dichlorobenzene         0.50           107-06-2         1.2-Dichloroethane         0.50   | CAS Number | Compound                         | Rpt. Limit (ppbv) |
|--|------------|----------------------------------|-------------------|
| 100-44-7         alpha-Chlorotoluene         0.50           75-27-4         Bromodichioromethane         0.50           75-25-2         Bromomethane         5.0           78-39-3         2-Butanone (Methyl Ethyl Ketone)         2.0           75-15-0         Carbon Disulfide         2.0           66-23-5         Carbon Teitrachloride         0.50           108-90-7         Chlorobenzene         0.50           124-48-1         Dibromochloromethane         0.50           75-00-3         Chlorobenzene         0.50           76-66-3         Chloroberthane         5.0           76-66-3         Chloroberthane         5.0           76-67-3         Chlorobenzene         0.50           95-50-1         1,2-Dichlorobenzene         0.50           95-50-1         1,2-Dichlorobenzene         0.50           75-34         1,1-Dichlorobenzene         0.50           75-34         1,1-Dichlorobenzene         0.50           75-71-8         Freon 12         0.50           107-06-2         1,2-Dichlorotethane         0.50           75-35-4         1,1-Dichloroperpane         0.50           156-60-5         trans-1,2-Dichloroperpane         0.50  | 67-64-1    | Acetone                          | 5.0               |
| 75:27-4       Bromodichloromethane       0.50         75:25-2       Bromorethane       5.0         78:93:3       2-Butanone (Methyl Ethyl Ketone)       2.0         75:15-0       Carbon Disulfide       0.50         78:93:3       2-Butanone (Methyl Ethyl Ketone)       2.0         75:15-0       Carbon Disulfide       0.50         108:90-7       Chlorobenzene       0.50         75:00-3       Chlorobenzene       0.50         75:40-3       Chloromethane       2.0         67:66-3       Chloromethane       5.0         106:43-4       1,2:Dibromochloromethane (EDB)       0.50         95:50-1       1,2:Dichlorobenzene       0.50         95:50-1       1,2:Dichlorobenzene       0.50         75:47:8       1,4:Dichlorobenzene       0.50         75:47:8       1,4:Dichlorobenzene       0.50         75:47:8       1,2:Dichlorobenzene       0.50         75:35:4       1,1:Dichlorobenzene       0.50         75:47:8       Freon 12       0.50         76:64:9       cis.1,2:Dichloroethane       0.50         75:35:4       1,1:Dichloroethane       0.50         78:87:5       1,2:Dichloropropane       0.50  | 71-43-2    | Benzene                          | 0.50              |
| 75-25-2       Bromorethane       0.50         74-83-9       Bromorethane       5.0         78-93-3       2-Butanone (Methyl Ethyl Ketone)       2.0         75-15-0       Carbon Disulfide       2.0         56-23-5       Carbon Tetrachloride       0.50         108-90-7       Chlorobenzene       0.50         75-00-3       Chlorobenzene       0.50         76-66-3       Chlorobenzene       5.0         74-87-3       Chloromethane       5.0         76-66-3       Chlorobenzene       0.50         95-50-1       1,2-Dichlorobenzene       0.50         95-50-1       1,2-Dichlorobenzene       0.50         75-71-8       Freon 12       0.50         75-71-8       Freon 12       0.50         107-06-2       1,2-Dichlorobenzene       0.50         107-06-2       1,2-Dichloroethane       0.50         156-60-5       trans-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroppane       0.50         10061-02-6       trans-1,3-Dichloroppane       0.50         10061-02-6       trans-1,3-Dichloropropane       0.50         10061-01-5       cis-1,3-Dichloropropane       0.50         10  | 100-44-7   | alpha-Chlorotoluene              | 0.50              |
| 74-83-9       Bromomethane       5.0         78-93-3       2-Butanone (Methyl Ethyl Ketone)       2.0         75-15-0       Carbon Disulfide       2.0         56-23-5       Carbon Tetrachloride       0.50         108-90-7       Chlorobenzene       0.50         75-00-3       Chlorobenzene       0.50         75-00-3       Chlorobenzene       0.50         76-66-3       Chlorobenzene       0.50         74-87-3       Chloromethane       5.0         106-93-4       1.2-Dibromoethane (EDB)       0.50         95-50-1       1.2-Dichlorobenzene       0.50         94-73-1       1,3-Dichlorobenzene       0.50         95-50-1       1.2-Dichlorobenzene       0.50         106-64-7       1,4-Dichlorobenzene       0.50         106-64-7       1,4-Dichloroethane       0.50         107-06-2       1,2-Dichloroethane       0.50         107-06-2       1,2-Dichloroethane       0.50         156-69-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloropropane       0.50         10061-01-5       cis-1,3-Dichloropropane       0.50         10061-02-6       trans-1,3-Dichloropropane       0.50   | 75-27-4    | Bromodichloromethane             | 0.50              |
| 78-93-3       2-Butanone (Methyl Ethyl Ketone)       2.0         75-15-0       Carbon Disulfide       2.0         56-23-5       Carbon Tetrachloride       0.50         108-90-7       Chlorobenzene       0.50         124-48-1       Dibromochloromethane       2.0         67-66-3       Chloroethane       2.0         67-66-3       Chloromethane       5.0         106-93-4       1.2-Dibromoethane (EDB)       0.50         95-50-1       1.2-Dibromoethane (EDB)       0.50         95-50-1       1.2-Dichlorobenzene       0.50         95-50-1       1.2-Dichlorobenzene       0.50         75-34-3       1,1-Dichlorobenzene       0.50         75-34-3       1,1-Dichloroethane       0.50         75-71-8       Freon 12       0.50         75-35-4       1,1-Dichloroethane       0.50         75-35-5       1.2-Dichloroptene       0.50         78-87-5       1.2-Dichloroptene       0.50         76-84-7       1.4-Dichloroethene       0.50         75-35-4       1.1-Dichloroethene       0.50         75-35-5       1.2-Dichloroptopene       0.50         78-87-5       1.2-Dichloroptopene       0.50 <t< td=""><td>75-25-2</td><td>Bromoform</td><td>0.50</td></t<>  | 75-25-2    | Bromoform                        | 0.50              |
| 75-15-0       Carbon Disulfide       2.0         56-23-5       Carbon Tetrachloride       0.50         108-90-7       Chlorobenzene       0.50         124-48-1       Dibromochloromethane       2.0         67-66-3       Chlorobenzene       0.50         75-00-3       Chloromethane       2.0         67-86-3       Chloromethane       5.0         106-93-4       1,2-Dibromethane (EDB)       0.50         95-50-1       1,2-Dichlorobenzene       0.50         541-73-1       1,3-Dichlorobenzene       0.50         543-3       1,1-Dichlorobenzene       0.50         75-31-4       1,2-Dichlorobenzene       0.50         75-71-8       Freon 12       0.50         107-06-2       1,2-Dichloroethane       0.50         75-35-4       1,1-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroethene       0.50         156-60-5       trans-1,3-Dichloropropene       0.50         10061-01-5       cis-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         100-41-4       Ethyl Benzene       0.50  | 74-83-9    | Bromomethane                     | 5.0               |
| 56-23-5         Carbon Tetrachloride         0.50           108-90-7         Chlorobenzene         0.50           124-48-1         Dibromochloromethane         0.50           75-00-3         Chloroethane         2.0           67-66-3         Chloromethane         5.0           106-93-4         1.2-Dibromoethane (EDB)         0.50           95-50-1         1.2-Dichlorobenzene         0.50           106-43-7         1.4-Dichlorobenzene         0.50           75-34-3         1.1-Dichlorobenzene         0.50           106-46-7         1.4-Dichlorobenzene         0.50           75-34-3         1.1-Dichlorobenzene         0.50           107-06-2         1.2-Dichloroethane         0.50           75-35-4         1.1-Dichloroethene         0.50           156-69-2         cis-1.2-Dichloroethene         0.50           156-60-5         trans-1.2-Dichloroethene         0.50           10061-01-5         cis-1.3-Dichloropropene         0.50           10061-02-6         trans-1.3-Dichloropropene         0.50           10061-02-6         trans-1.3-Dichloropropene         0.50           10061-02-6         trans-1.3-Dichloropropene         0.50           100-11-4         Ethyl B   | 78-93-3    | 2-Butanone (Methyl Ethyl Ketone) | 2.0               |
| 108-90-7         Chlorobenzene         0.50           124-48-1         Dibromochloromethane         0.50           75-00-3         Chloroethane         2.0           67-66-3         Chloroform         0.50           74-87-3         Chloromethane         5.0           106-93-4         1.2-Dibromoethane (EDB)         0.50           95-50-1         1.2-Dichlorobenzene         0.50           541-73-1         1.3-Dichlorobenzene         0.50           75-34-3         1.1-Dichlorobenzene         0.50           75-34-3         1.1-Dichlorobenzene         0.50           107-06-2         1.2-Dichloroethane         0.50           107-06-2         1.2-Dichloroethene         0.50           156-59-2         cis.1.2-Dichloroethene         0.50           156-60-5         trans.1.2-Dichloropropane         0.50           10061-01-5         cis.1.3-Dichloropropane         0.50           10061-02-6         trans.1.3-Dichloropropene         0.50           10061-02-6         trans.1.3-Dichloropropene         0.50           10061-02-6         trans.1.3-Dichloropropene         0.50           100-41-4         Ethyl Benzene         0.50           100-42-5         Styrene   | 75-15-0    | Carbon Disulfide                 | 2.0               |
| 124-48-1       Dibromochloromethane       0.50         75-00-3       Chloroethane       2.0         67-66-3       Chloromethane       5.0         106-93-4       1.2-Dibromoethane (EDB)       0.50         95-50-1       1.2-Dichlorobenzene       0.50         541-73-1       1.3-Dichlorobenzene       0.50         75-34-3       1.4-Dichlorobenzene       0.50         75-34-3       1.1-Dichlorobenzene       0.50         75-34-3       1.1-Dichlorobenzene       0.50         75-71-8       Freon 12       0.50         75-71-8       Freon 12       0.50         75-71-8       Freon 12       0.50         75-71-8       Freon 12       0.50         75-35-4       1.1-Dichloroethane       0.50         75-63-2       cis-1,2-Dichloroethene       0.50         75-60-5       trans-1,2-Dichloropropane       0.50         10061-01-5       cis-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         7  | 56-23-5    | Carbon Tetrachloride             | 0.50              |
| 75-00-3       Chloroethane       2.0         67-66-3       Chloroform       0.50         74-87-3       Chloromethane       5.0         106-93-4       1.2-Dibromoethane (EDB)       0.50         95-50-1       1.2-Dichlorobenzene       0.50         541-73-1       1.3-Dichlorobenzene       0.50         106-46-7       1.4-Dichlorobenzene       0.50         75-34-3       1.1-Dichloroethane       0.50         75-71-8       Freon 12       0.50         107-06-2       1.2-Dichloroethane       0.50         75-35-4       1.1-Dichloroethane       0.50         156-50-2       cis-1.2-Dichloroethene       0.50         156-60-5       trans-1.2-Dichloropropane       0.50         10061-01-5       cis-1.3-Dichloropropene       0.50         10061-02-6       trans-1.3-Dichloropropene       0.50         10061-02-6       trans-1.3-Dichloropropene       0.50         10041-02-6       trans-1.3-Dichloropropene       0.50         10041-02-6       trans-1.3-Dichloropropene       0.50         10041-02-6       trans-1.3-Dichloroptropene       0.50         10041-02-6       trans-1.3-Dichloroptropene       0.50         100-41-4       Ethylto   | 108-90-7   | Chlorobenzene                    | 0.50              |
| 67-66-3       Chloroform       0.50         74-87-3       Chloromethane       5.0         106-93-4       1,2-Dibromoethane (EDB)       0.50         95-50-1       1,2-Dichlorobenzene       0.50         541-73-1       1,3-Dichlorobenzene       0.50         106-46-7       1,4-Dichlorobenzene       0.50         75-34-3       1,1-Dichloroethane       0.50         107-06-2       1,2-Dichloroethane       0.50         107-06-2       1,2-Dichloroethane       0.50         156-59-2       cls-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroethene       0.50         10061-01-5       cls-1,2-Dichloroppane       0.50         10061-01-5       cls-1,3-Dichloroppopene       0.50         10061-02-6       trans-1,3-Dichloroppopene       0.50         10061-02-6       trans-1,3-Dichloroppopene       0.50         10061-02-6       trans-1,3-Dichloroptopene       0.50         622-96-8       4-EthyltBenzene       0.50         622-96-8       4-Ethyltene       0.50         75-09-2       Methyl-2-pentanone       2.0         591-78-6       2.Hexanone       2.0         79-09-2       Methylene Chloride   | 124-48-1   | Dibromochloromethane             | 0.50              |
| 74-87-3       Chloromethane       5.0         106-93-4       1,2-Dibromoethane (EDB)       0.50         95-50-1       1,2-Dichlorobenzene       0.50         541-73-1       1,3-Dichlorobenzene       0.50         106-46-7       1,4-Dichlorobenzene       0.50         75-34-3       1,1-Dichlorobenzene       0.50         75-71-8       Freon 12       0.50         107-06-2       1,2-Dichloroethane       0.50         75-35-4       1,1-Dichloroethane       0.50         75-35-4       1,1-Dichloroethane       0.50         156-59-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroethene       0.50         10061-01-5       cis-1,3-Dichloropropane       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         100-41-4       Ethyl Benzene       0.50         100-41-4       Ethyl Benzene       0.50         104-76       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         108-10-1       4-Methyl-2-pentanone       0.50         104-42-5       Styrene       0.50 <tr< td=""><td>75-00-3</td><td>Chloroethane</td><td>2.0</td></tr<>  | 75-00-3    | Chloroethane                     | 2.0               |
| 106-93-4         1,2-Dibromoethane (EDB)         0,50           95-50-1         1,2-Dichlorobenzene         0,50           541-73-1         1,3-Dichlorobenzene         0,50           106-46-7         1,4-Dichlorobenzene         0,50           75-34-3         1,1-Dichloroethane         0,50           75-71-8         Freon 12         0,50           107-06-2         1,2-Dichloroethane         0,50           75-35-4         1,1-Dichloroethene         0,50           156-59-2         cis-1,2-Dichloroethene         0,50           156-60-5         trans-1,2-Dichloroethene         0,50           1061-01-5         cis-1,2-Dichloropropane         0,50           10061-01-5         cis-1,3-Dichloropropene         0,50           10061-02-6         trans-1,3-Dichloropropene         0,50           10061-02-6         trans-1,3-Dichloropropene         0,50           100-41-4         Ethyl Benzene         0,50           100-41-4         Ethyl Benzene         0,50           622-96-8         4-Ethyltoluene         2,0           75-09-2         Methylene Chloride         5,0           108-10-1         4-Methyl-2-pentanone         0,50           108-42-5         Styrene  | 67-66-3    | Chloroform                       | 0.50              |
| 106-93-4         1,2-Dibromoethane (EDB)         0.50           95-50-1         1,2-Dichlorobenzene         0.50           541-73-1         1,3-Dichlorobenzene         0.50           106-46-7         1,4-Dichlorobenzene         0.50           75-34-3         1,1-Dichloroethane         0.50           75-71-8         Freen 12         0.50           107-06-2         1,2-Dichloroethane         0.50           75-35-4         1,1-Dichloroethane         0.50           156-59-2         cis-1,2-Dichloroethene         0.50           156-60-5         trans-1,2-Dichloroethene         0.50           1061-01-5         cis-1,3-Dichloropropane         0.50           10061-02-6         trans-1,3-Dichloropropene         0.50           10061-02-6         trans-1,3-Dichloropropene         0.50           10061-02-6         trans-1,3-Dichloropropene         0.50           100-41-4         Ethyl Benzene         0.50           100-41-4         Ethyl Benzene         0.50           100-41-4         Ethyl Benzene         0.50           102-96-8         4-Ethyltoluene         2.0           75-09-2         Methylene Chloride         5.0           108-10-1         4-Methyl-2-pentanone  | 74-87-3    | Chloromethane                    | 5.0               |
| 95-50-1         1,2-Dichlorobenzene         0,50           541-73-1         1,3-Dichlorobenzene         0,50           106-46-7         1,4-Dichlorobenzene         0,50           75-34-3         1,1-Dichlorobenzene         0,50           75-71-8         Freon 12         0,50           107-06-2         1,2-Dichloroethane         0,50           107-06-2         1,2-Dichloroethane         0,50           156-59-2         cis-1,2-Dichloroethene         0,50           156-60-5         trans-1,2-Dichloropthene         0,50           1061-01-5         cis-1,3-Dichloropthene         0,50           10061-01-5         cis-1,3-Dichloropropane         0,50           10061-02-6         trans-1,3-Dichloropropene         0,50           10061-02-6         trans-1,3-Dichloropropene         0,50           10061-02-6         trans-1,3-Dichloropropene         0,50           622-96-8         4-Ethylbulene         0,50           622-96-8         4-Ethylbulene         0,50           75-09-2         Methyle-2-pentanone         2,0           75-09-2         Methyl-2-pentanone         0,50           100-42-5         Styrene         0,50           100-42-5         Styrene <t< td=""><td>106-93-4</td><td>1,2-Dibromoethane (EDB)</td><td></td></t<> | 106-93-4   | 1,2-Dibromoethane (EDB)          |                   |
| 106-46-7       1,4-Dichlorobenzene       0.50         75-34-3       1,1-Dichloroethane       0.50         75-71-8       Freon 12       0.50         107-06-2       1,2-Dichloroethane       0.50         75-35-4       1,1-Dichloroethene       0.50         156-59-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroethene       0.50         1061-01-5       cis-1,3-Dichloropropane       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         87-68-3       Hexachlorobutadiene       2.0         87-68-3       Hexachlorobutadiene       0.50         100-41-4       Ethyl-2-pentanone       0.50         108-10-1       4-Methyl-2-pentanone       0.50         108-25       Styrene       0.50         102-42-5       Styrene       0.50         102-42-5       Styrene       0.50         102-42-5       Styrene       0.50         104-42-5 <td>95-50-1</td> <td></td> <td></td>   | 95-50-1    |                                  |                   |
| 75-34-3       1,1-Dichloroethane       0.50         75-71-8       Freon 12       0.50         107-06-2       1,2-Dichloroethane       0.50         75-35-4       1,1-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloropropane       0.50         10061-01-5       cis-1,3-Dichloropropane       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         1004-1-4       Ethyl Benzene       0.50         100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyl Iouene       0.50         75-09-2       Methylene Chloride       5.0         100-41-4       Ethyl Benzene       0.50         75-09-2       Methylene Chloride       5.0         108-10-1       4-Methyl-2-pentanone       0.50         100-42-5       Styrene       0.50         100-42-5       Styrene       0.50         102-14       1,2,2-Tetrachloroethane       0.50         102-88-1       1,2,4-Trichloroethane       0.50  | 541-73-1   | 1,3-Dichlorobenzene              | 0.50              |
| 75-71-8         Freon 12         0.50           107-06-2         1,2-Dichloroethane         0.50           75-35-4         1,1-Dichloroethene         0.50           156-69-2         cis-1,2-Dichloroethene         0.50           156-60-5         trans-1,2-Dichloroethene         0.50           78-87-5         1,2-Dichloropropane         0.50           10061-01-5         cis-1,3-Dichloropropene         0.50           10061-02-6         trans-1,3-Dichloropropene         0.50           10061-02-6         trans-1,3-Dichloropropene         0.50           10061-02-6         trans-1,3-Dichloropropene         0.50           100-41-4         Ethyl Benzene         0.50           622-96-8         4-Ethyltoluene         0.50           75-08-3         Hexachlorobutadiene         2.0           591-78-6         2-Hexanone         2.0           75-09-2         Methylene Chloride         5.0           100-42-5         Styrene         0.50           100-42-5         Styrene         0.50           127-18-4         Tetrachloroethane         0.50           127-18-4         Tetrachloroethane         0.50           120-82-1         1,2,4-Trichloroethane         0.50  | 106-46-7   | 1,4-Dichlorobenzene              | 0.50              |
| 107-06-2       1,2-Dichloroethane       0.50         75-35-4       1,1-Dichloroethene       0.50         156-59-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroethene       0.50         78-87-5       1,2-Dichloropropane       0.50         10061-01-5       cis-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         100-42-5       Styrene       0.50         102-45       Styrene       0.50         102-45       Styrene       0.50         104-42-5       Styrene       0.50         102-42-5       Styrene       0.50  | 75-34-3    |                                  |                   |
| 107-06-2       1,2-Dichloroethane       0.50         75-35-4       1,1-Dichloroethene       0.50         156-59-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroethene       0.50         78-87-5       1,2-Dichloropropane       0.50         10061-01-5       cis-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltouene       0.50         87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         591-78-6       2-Hexanone       0.50         100-42-5       Styrene       0.50         100-42-5       Styrene       0.50         127-18-4       Tetrachloroethane       0.50         127-18-4       Tetrachloroethane       0.50         128-3       Toluene       1.0         120-82-1       1,2,4-Trichloroethane       0.50         71-55-6       1,1,1-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-01-6 <td>75-71-8</td> <td>Freon 12</td> <td>0.50</td>   | 75-71-8    | Freon 12                         | 0.50              |
| 75-35-4       1,1-Dichloroethene       0.50         156-59-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroethene       0.50         78-87-5       1,2-Dichloropropane       0.50         10061-01-5       cis-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         79-09-2       Methylene Chloride       5.0         100-42-5       Styrene       0.50         127-18-4       Tetrachloroethane       0.50         127-18-4       Tetrachloroethane       2.0         71-55-6       1,1,2-2-Tetrachloroethane       0.50         108-88-3       Toluene       1.0         120-82-1       1,2,4-Trichloroethane       0.50         71-55-6       1,1,1-Trichloroethane       0.50         73-00-5       1,1,2-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-01-6       Trichloroethane       0.50  | 107-06-2   | 1,2-Dichloroethane               |                   |
| 156-59-2       cis-1,2-Dichloroethene       0.50         156-60-5       trans-1,2-Dichloroptopane       0.50         78-87-5       1,2-Dichloroptopane       0.50         10061-01-5       cis-1,3-Dichloroptopene       0.50         10061-02-6       trans-1,3-Dichloroptopene       0.50         100-41-4       Ethyl Benzene       0.50         100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         591-78-6       2-Hexanone       0.50         108-10-1       4-Methyl-2-pentanone       0.50         108-10-1       4-Methyl-2-pentanone       0.50         100-42-5       Styrene       0.50         100-42-5       Styrene       0.50         102-82-1       1,2,2-Tetrachloroethane       0.50         108-88-3       Toluene       1.0         120-82-1       1,2,4-Trichlorobenzene       2.0         71-55-6       1,1,1-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50 <td< td=""><td>75-35-4</td><td>1,1-Dichloroethene</td><td></td></td<>  | 75-35-4    | 1,1-Dichloroethene               |                   |
| 156-60-5       trans-1,2-Dichloroethene       0.50         78-87-5       1,2-Dichloropropane       0.50         10061-01-5       cis-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         76-14-2       Freon 114       0.50         100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         108-10-1       4-Methyl-2-pentanone       0.50         109-42-5       Styrene       0.50         100-42-5       Styrene       0.50         100-42-5       Styrene       0.50         100-42-5       Styrene       0.50         108-88-3       Toluene       1.0         120-82-1       1,2,4-Trichloroethane       0.50         110-82-5       1,1,2-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-01-6       Trichloroethene       0.50         79-01-6       Trichloroeth   |            |                                  |                   |
| 78-87-5       1,2-Dichloropropane       0.50         10061-01-5       cis-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         76-14-2       Freon 114       0.50         100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         100-42-5       Styrene       0.50         79-34-5       1,1,2,2-Tetrachloroethane       0.50         108-88-3       Toluene       1.0         120-82-1       1,2,4-Trichlorobenzene       2.0         71-55-6       1,1,1-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-01-6       Trichloroethane       0.50         79-01-6       Trichloroethane       0.50         79-01-6       Trichloroethane       0.50         79-01-6       Trichloroethane       0.50   | 156-60-5   | trans-1,2-Dichloroethene         |                   |
| 10061-01-5       cis-1,3-Dichloropropene       0.50         10061-02-6       trans-1,3-Dichloropropene       0.50         76-14-2       Freon 114       0.50         100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         100-42-5       Styrene       0.50         79-34-5       1,1,2,2-Tetrachloroethane       0.50         127-18-4       Tetrachlorobenzene       2.0         71-55-6       1,1,2,4-Trichlorobenzene       2.0         71-55-6       1,1,2-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-01-6       Trichloroethane       0.50         79-01-6       Trichloroethane       0.50         75-69-4       Freon 11       0.50   | 78-87-5    | 1,2-Dichloropropane              |                   |
| 10061-02-6trans-1,3-Dichloropropene0.5076-14-2Freon 1140.50100-41-4Ethyl Benzene0.50622-96-84-Ethyltoluene0.5087-68-3Hexachlorobutadiene2.0591-78-62-Hexanone2.0591-78-62-Hexanone5.0108-10-14-Methyl-2-pentanone0.50100-42-5Styrene0.50100-42-5Styrene0.50108-88-3Toluene1.0120-82-11,2,4-Trichlorobenzene2.071-55-61,1,2-Trichloroethane0.5079-00-51,1,2-Trichloroethane0.5079-01-6Trichloroethane0.5075-69-4Freon 110.50  | 10061-01-5 |                                  |                   |
| 76-14-2       Freon 114       0.50         100-41-4       Ethyl Benzene       0.50         622-96-8       4-Ethyltoluene       0.50         87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         108-10-1       4-Methyl-2-pentanone       0.50         100-42-5       Styrene       0.50         79-34-5       1,1,2,2-Tetrachloroethane       0.50         108-88-3       Toluene       1.0         120-82-1       1,2,4-Trichlorobenzene       2.0         71-55-6       1,1,2-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-01-6       Trichloroethene       0.50         79-04       Freon 11       0.50   | 10061-02-6 |                                  |                   |
| 622-96-84-Ethyltoluene0.5087-68-3Hexachlorobutadiene2.0591-78-62-Hexanone2.075-09-2Methylene Chloride5.0108-10-14-Methyl-2-pentanone0.50100-42-5Styrene0.5079-34-51,1,2,2-Tetrachloroethane0.50127-18-4Tetrachloroethene0.50108-88-3Toluene1.0120-82-11,2,4-Trichloroethane0.5071-55-61,1,1-Trichloroethane0.5079-00-51,1,2-Trichloroethane0.5079-01-6Trichloroethene0.5075-69-4Freon 110.50   | 76-14-2    | Freon 114                        | 0.50              |
| 622-96-84-Ethyltoluene0.5087-68-3Hexachlorobutadiene2.0591-78-62-Hexanone2.075-09-2Methylene Chloride5.0108-10-14-Methyl-2-pentanone0.50100-42-5Styrene0.5079-34-51,1,2,2-Tetrachloroethane0.50127-18-4Tetrachloroethene0.50108-88-3Toluene1.0120-82-11,2,4-Trichloroethane0.5079-00-51,1,2-Trichloroethane0.5079-01-6Trichloroethene0.5075-69-4Freon 110.50   | 100-41-4   | Ethyl Benzene                    | 0.50              |
| 87-68-3       Hexachlorobutadiene       2.0         591-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         108-10-1       4-Methyl-2-pentanone       0.50         100-42-5       Styrene       0.50         79-34-5       1,1,2,2-Tetrachloroethane       0.50         127-18-4       Tetrachloroethene       0.50         108-88-3       Toluene       1.0         120-82-1       1,2,4-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-01-6       Trichloroethene       0.50         79-01-6       Freon 11       0.50  | 622-96-8   | 4-Ethyltoluene                   |                   |
| 591-78-6       2-Hexanone       2.0         75-09-2       Methylene Chloride       5.0         108-10-1       4-Methyl-2-pentanone       0.50         100-42-5       Styrene       0.50         79-34-5       1,1,2,2-Tetrachloroethane       0.50         127-18-4       Tetrachloroethene       0.50         108-88-3       Toluene       1.0         120-82-1       1,2,4-Trichloroethane       0.50         79-00-5       1,1,1-Trichloroethane       0.50         79-01-6       Trichloroethene       0.50         79-01-6       Freon 11       0.50  | 87-68-3    | Hexachlorobutadiene              | 2.0               |
| 108-10-14-Methyl-2-pentanone0.50100-42-5Styrene0.5079-34-51,1,2,2-Tetrachloroethane0.50127-18-4Tetrachloroethene0.50108-88-3Toluene1.0120-82-11,2,4-Trichlorobenzene2.071-55-61,1,1-Trichloroethane0.5079-00-51,1,2-Trichloroethane0.5079-01-6Trichloroethane0.5075-69-4Freon 110.50   | 591-78-6   | 2-Hexanone                       |                   |
| 100-42-5Styrene0.5079-34-51,1,2,2-Tetrachloroethane0.50127-18-4Tetrachloroethene0.50108-88-3Toluene1.0120-82-11,2,4-Trichlorobenzene2.071-55-61,1,1-Trichloroethane0.5079-00-51,1,2-Trichloroethane0.5079-01-6Trichloroethene0.5075-69-4Freon 110.50   | 75-09-2    | Methylene Chloride               |                   |
| 100-42-5Styrene0.5079-34-51,1,2,2-Tetrachloroethane0.50127-18-4Tetrachloroethene0.50108-88-3Toluene1.0120-82-11,2,4-Trichlorobenzene2.071-55-61,1,1-Trichloroethane0.5079-00-51,1,2-Trichloroethane0.5079-01-6Trichloroethene0.5075-69-4Freon 110.50   | 108-10-1   | 4-Methyl-2-pentanone             | 0.50              |
| 79-34-51,1,2,2-Tetrachloroethane0.50127-18-4Tetrachloroethene0.50108-88-3Toluene1.0120-82-11,2,4-Trichlorobenzene2.071-55-61,1,1-Trichloroethane0.5079-00-51,1,2-Trichloroethane0.5079-01-6Trichloroethene0.5075-69-4Freon 110.50  | 100-42-5   |                                  |                   |
| 127-18-4Tetrachloroethene0.50108-88-3Toluene1.0120-82-11,2,4-Trichlorobenzene2.071-55-61,1,1-Trichloroethane0.5079-00-51,1,2-Trichloroethane0.5079-01-6Trichloroethene0.5075-69-4Freon 110.50  | 79-34-5    | 1,1,2,2-Tetrachloroethane        |                   |
| 108-88-3       Toluene       1.0         120-82-1       1,2,4-Trichlorobenzene       2.0         71-55-6       1,1,1-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-01-6       Trichloroethene       0.50         75-69-4       Freon 11       0.50  | 127-18-4   | Tetrachloroethene                |                   |
| 71-55-6       1,1,1-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-01-6       Trichloroethene       0.50         75-69-4       Freon 11       0.50   | 108-88-3   | Toluene                          |                   |
| 71-55-6       1,1,1-Trichloroethane       0.50         79-00-5       1,1,2-Trichloroethane       0.50         79-01-6       Trichloroethene       0.50         75-69-4       Freon 11       0.50   | 120-82-1   | 1,2,4-Trichlorobenzene           | 2.0               |
| 79-00-5       1,1,2-Trichloroethane       0.50         79-01-6       Trichloroethene       0.50         75-69-4       Freon 11       0.50  |            |                                  |                   |
| 79-01-6         Trichloroethene         0.50           75-69-4         Freon 11         0.50   | 79-00-5    | 1,1,2-Trichloroethane            |                   |
| 75-69-4 Freon 11 0.50  | 79-01-6    | Trichloroethene                  |                   |
|  |            | Freon 11                         |                   |
|  | 76-13-1    | Freon 113                        |                   |

## 1 2 3 4 5 6 7 8 9

# Seurofins | Air Toxics

#### Method : TO-15 (Sp)-Eurofins TA (CEC, OK)

| CAS Number    | Compound               | Rpt. Limit (ppbv) |  |
|---------------|------------------------|-------------------|--|
| 95-63-6       | 1,2,4-Trimethylbenzene | 0.50              |  |
| 108-67-8      | 1,3,5-Trimethylbenzene | 0.50              |  |
| 108-05-4      | Vinyl Acetate          | 2.0               |  |
| 75-01-4       | Vinyl Chloride         | 0.50              |  |
| 108-38-3      | m,p-Xylene             | 1.0               |  |
| 95-47-6       | o-Xylene               | 0.50              |  |
| 9999-9999-500 | TVOC Ref. to Hexane    | 10                |  |

|            | Surrogate             | Method Limits |  |
|------------|-----------------------|---------------|--|
| 2037-26-5  | Toluene-d8            | 70-130        |  |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 70-130        |  |
| 460-00-4   | 4-Bromofluorobenzene  | 70-130        |  |

#### Received by OCD: 6/4/2025 10:09:49 AM

Page 151 of 250

| Whi  | Г               | 5                      |                      | REO                        | ME                  |              | RE               |                  |                            | [                   |                           |                           | 1                        |          | 1  |     |    |      | 1                |              | 1  |   | 1            |    |                     | 014 11       |                  |                   | S                    |                         | . 101 (                     | _ 1                     |
|--|-----------------|------------------------|----------------------|----------------------------|---------------------|--------------|------------------|------------------|----------------------------|---------------------|---------------------------|---------------------------|--------------------------|----------|----|-----|----|------|------------------|--------------|----|---|--------------|----|---------------------|--------------|------------------|-------------------|----------------------|-------------------------|-----------------------------|-------------------------|
| White: Receiving Lab                           | VeN             | LABORATORT CONTACT: 30 |                      | RECEIVED IN LABORATORY BY: | METHOD OF SHIPMENT: |              | RELINQUISHED BY: | NELINAGISHED BY: | TOTAL NUMBER OF CONTAINERS | $\bigcap_{i=1}^{n}$ |                           |                           |                          |          |    |     |    |      |                  |              |    |   |              | 1  | +                   | 11-22-2024   | Date             |                   | SAMPLERS SIGNATURE:  | SAMPLER'S PRINTED NAME: |                             | 2                       |
|  | 6 610           | UNIACT:                |                      | BORATOR                    | PMENT:              |              | <b>B</b> Y.      |                  | OF CONTA                   |                     |                           |                           |                          |          |    |     |    |      |                  |              |    |   |              |    |                     | 12:75        | Time             |                   | NATURE:              | UNTED NAN               |                             | 4                       |
| Yellow: Equus Environmental Project File Pink: | 201 - 203 5     |                        |                      | YBY:                       |                     | ~            |                  |                  | AINERS                     |                     |                           |                           |                          |          |    |     |    |      |                  |              |    |   |              |    | Leve 131 C (18/ Jan | 20241127 M-1 | Sample ID        |                   | tric tarrer          |                         | EQUUS                       | 6<br>7<br>8<br>9        |
| Pink: Equus QA/QC                              |                 |                        | TIME                 | DATE                       |                     | TIME         |                  | DATE 1/-7        | •                          |                     |                           |                           |                          |          |    |     |    |      |                  |              |    |   |              |    | A.T                 |              | Sam              | ple Mi            | atrix                |                         | CHKSTATM                    |                         |
|  | ~               |                        |                      | 0                          | A                   |              |                  | (                | _                          |                     |                           |                           |                          | <br>     |    |     |    |      | $\left  \right $ |              |    |   |              |    |                     |              | # of Sam;        | ole Co            | ntainer              |                         | HKSTATM                     | CHAI                    |
|  | 9 081           | BORAT                  | na rur,              |                            |                     | RECEIVED BY: | Mund             | RECEIVED BY:     |                            |                     | _                         |                           |                          |          |    |     | _  |      |                  |              |    |   |              |    |                     | _            | TO -1<br>TOTAL V | <u>5</u><br>ois . | n j                  | AVR TOXIC               | TN<br>TN                    | N OF CL                 |
|  | SLUE K          | LABORATORY ADDRESS:    | QA                   |                            | IMAFO               | BY: (        | 1×               | ) BY:            |                            |                     |                           |                           |                          |          |    |     |    |      |                  |              |    |   |              |    |                     |              | HEX              | ANG               | *                    |                         |                             | JSTODY                  |
|  | BLUE RAWNE      | RESS:                  | QAQC@EquusEnv.com    | 204 DDE EDD - 1 million    |                     |              | 10               | -/               |                            |                     |                           | -                         |                          |          |    | -   |    |      |                  | $\downarrow$ |    |   |              |    |                     | _            |                  |                   |                      | 24                      | PR                          | CHAIN OF CUSTODY RECORD |
|  | TRD.            |                        | 3E (It app<br>DuusEn | 8                          |                     |              | Lun              |                  |                            |                     |                           |                           |                          |          |    |     |    |      |                  |              | Ť. |   |              |    |                     |              |                  |                   |                      | MATT.                   | OJECT N                     | 8                       |
|  | STEB            | 1.0011                 | licable) t<br>v com  | 26895                      |                     |              | 4                |                  |                            |                     |                           |                           |                          |          |    |     | -  |      | +                |              | -  |   |              |    |                     |              |                  |                   |                      | IANAGEF                 | PROJECT NAME:<br>CHKSTATE M | 24                      |
|  |                 |                        | ö                    | 11883                      |                     |              | せい見              |                  | ļ                          |                     |                           |                           |                          |          |    |     | 1  |      |                  |              |    |   |              |    |                     |              |                  |                   |                      | KRO "                   |                             |                         |
|  | MOSA            |                        |                      |                            | TIME                | DATE         | 1                | DAT              | #                          |                     |                           |                           |                          |          |    |     |    |      |                  |              | -+ | - |              | +  |                     | -            |                  |                   |                      |                         |                             | 1743                    |
|  | 2               |                        |                      |                            |                     | m            | TIME   u/ (O     | DATE, 1/ 7 7/2   |                            |                     |                           |                           |                          |          |    |     |    |      |                  |              |    |   | <del>\</del> | /l | TAG                 |              |                  | $\star$           | PO#                  |                         |                             | -                       |
|  | FOLSOM CA 95630 |                        |                      |                            |                     |              | 1                |                  |                            | CAR                 | CUS                       | PRO                       |                          |          |    |     |    |      |                  |              |    |   |              | 1  | #<br>6              |              | Ċ                | いしろ               | autor and the second | TAT:                    |                             | <ul> <li></li></ul>     |
|  | 0               |                        |                      |                            |                     |              |                  |                  |                            | ad r                | CUSTODY SEAL? YES NO NONE | PROBE TIME STORED: JUL IV | INTIAL "C. CF: FINAL "C. |          |    |     |    |      |                  |              |    |   |              |    |                     | REMARKS      |                  |                   | WO#                  |                         | coc of                      | No. 2800                |
| PAS  | ed to           | Im                     | aain                 | a. 6                       | /17                 | /202         | 25.0             | • 16             | -51                        |                     | 7                         | 1/1                       | 1                        | <b>h</b> | Pa | ige | 24 | of 2 | 25               |              |    |   |              |    | 4                   |              |                  |                   |                      | 12/1                    | <b>]</b><br>2/202           | 24                      |

Released to Imaging: 6/17/2025 9:46:51 AM

Job Number: 180-183776-1 SDG Number: Property ID: 891077

List Source: Eurofins Pittsburgh

#### Login Sample Receipt Checklist

Client: Chesapeake Energy Corporation

#### Login Number: 183776 List Number: 1 Creator: Hayes, Ken

| Question   | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td></td> <td></td> |        |         |
| The cooler's custody seal, if present, is intact.  |        |         |
| Sample custody seals, if present, are intact.  |        |         |
| The cooler or samples do not appear to have been compromised or tampered with.                         |        |         |
| Samples were received on ice.  |        |         |
| Cooler Temperature is acceptable.  |        |         |
| Cooler Temperature is recorded.  |        |         |
| COC is present.  |        |         |
| COC is filled out in ink and legible.  |        |         |
| COC is filled out with all pertinent information.  |        |         |
| Is the Field Sampler's name present on COC?  |        |         |
| There are no discrepancies between the containers received and the COC.                                |        |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)                          |        |         |
| Sample containers have legible labels.   |        |         |
| Containers are not broken or leaking.  |        |         |
| Sample collection date/times are provided.   |        |         |
| Appropriate sample containers are used.  |        |         |
| Sample bottles are completely filled.  |        |         |
| Sample Preservation Verified.  |        |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs                       |        |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").                        |        |         |
| Multiphasic samples are not present.   |        |         |
| Samples do not require splitting or compositing.   |        |         |
| Residual Chlorine Checked.   |        |         |



**Environment Testing** 

## **ANALYTICAL REPORT**

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## PREPARED FOR

Attn: Dana Drury Chesapeake Energy Corporation PO BOX 548806 Oklahoma City, Oklahoma 73154 Generated 4/3/2025 5:28:13 PM

## **JOB DESCRIPTION**

Equus - Chesapeake Property ID: 891077

## **JOB NUMBER**

180-188321-1

Eurofins Pittsburgh 301 Alpha Drive RIDC Park Pittsburgh PA 15238

See page two for job notes and contact information



## **Eurofins Pittsburgh**

**Job Notes** 

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

**Authorization** 

Kunth Hay

Generated 4/3/2025 5:28:13 PM

Authorized for release by Ken Hayes, Project Manager II Ken.Hayes@et.eurofinsus.com (615)301-5035

Eurofins Pittsburgh is a laboratory within Eurofins Environment Testing Northeast LLC, a company within Eurofins Environment Testing Group of Companies 4/3/2025

Page 2 of 30

Laboratory Job ID: 180-188321-1 SDG: Property ID: 891077

## **Table of Contents**

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| Receipt Checklists   | 30 |

Eurofins Pittsburgh 4/3/2025

#### **Case Narrative**

Client: Chesapeake Energy Corporation Project: Equus - Chesapeake

## Job ID: 180-188321-1

#### Job ID: 180-188321-1

#### **Eurofins Pittsburgh**

#### Job Narrative 180-188321-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
  situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
  specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The sample was received on 3/27/2025 8:00 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

#### Subcontract Work

Method TO 15: This method was subcontracted to Eurofins Air Toxics, Inc. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

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**Eurofins Pittsburgh** 

#### **Definitions/Glossary**

#### Client: Chesapeake Energy Corporation Project/Site: Equus - Chesapeake

Job ID: 180-188321-1 SDG: Property ID: 891077

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| 0 |

| Glossary       |   |
|----------------|---|
| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
| ¢              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery  |
| CFL            | Contains Free Liquid  |
| CFU            | Colony Forming Unit   |
| CNF            | Contains No Free Liquid   |
| DER            | Duplicate Error Ratio (normalized absolute difference)  |
| Dil Fac        | Dilution Factor   |
| DL             | Detection Limit (DoD/DOE)   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)   |
| EDL            | Estimated Detection Limit (Dioxin)  |
| LOD            | Limit of Detection (DoD/DOE)  |
| LOQ            | Limit of Quantitation (DoD/DOE)   |
| MCL            | EPA recommended "Maximum Contaminant Level"   |
| MDA            | Minimum Detectable Activity (Radiochemistry)  |
| MDC            | Minimum Detectable Concentration (Radiochemistry)   |
| MDL            | Method Detection Limit  |
| ML             | Minimum Level (Dioxin)  |
| MPN            | Most Probable Number  |
| MQL            | Method Quantitation Limit   |
| NC             | Not Calculated  |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)  |
| NEG            | Negative / Absent   |
| POS            | Positive / Present  |
| PQL            | Practical Quantitation Limit  |
| PRES           | Presumptive   |
| QC             | Quality Control   |
| RER            | Relative Error Ratio (Radiochemistry)   |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)   |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)   |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)   |
| TNTC           | Too Numerous To Count   |

Eurofins Pittsburgh

#### Sample Summary

Client: Chesapeake Energy Corporation Project/Site: Equus - Chesapeake Job ID: 180-188321-1 SDG: Property ID: 891077

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 180-188321-1  | 20250320M-1      | Air    | 03/20/25 12:20 | 03/27/25 08:00 |
|               |                  |        |                |                |
|               |                  |        |                |                |
|               |                  |        |                |                |
|               |                  |        |                |                |
|               |                  |        |                |                |
|               |                  |        |                |                |
|               |                  |        |                |                |
|               |                  |        |                |                |

#### Client: Chesapeake Energy Corporation Project/Site: Equus - Chesapeake

Job ID: 180-188321-1 SDG: Property ID: 891077

| Method | Method Description | Protocol | Laboratory |
|--------|--------------------|----------|------------|
| TO-15  | TO-15              | EPA      | Eurofins   |

#### Protocol References:

EPA = US Environmental Protection Agency

#### Laboratory References:

Eurofins = Eurofins Air Toxics, 180 Blue Ravine Road, Suite B, Folsom, CA 95630

**Eurofins Pittsburgh** 

#### **Air Toxics**

#### **Analytical Report**

4/3/2025 Mr. Ken Hayes Eurofins Environment Testing 301 Alpha Dr.

Pittsburgh PA 15238

Project Name: CHK STATE M Project #: Workorder #: 2503633

Dear Mr. Ken Hayes

The following report includes the data for the above referenced project for sample(s) received on 3/21/2025 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Jade White at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Jade White Project Manager

Eurofins Air Toxics, LLC

180 Blue Ravine Road, Suite B Folsom, CA 95630 T 916-985-1000 F 916-351-8279 www.airtoxics.com

## 1 2 3 4 5 6 7

Air Toxics

#### WORK ORDER #: 2503633

#### Work Order Summary

| CLIENT:                           | Mr. Ken Hayes<br>Eurofins Environment Testing<br>301 Alpha Dr.<br>Pittsburgh, PA 15238 | BILL TO:      | Mr. Ken Hayes<br>Eurofins Environment Testing<br>301 Alpha Dr.<br>Pittsburgh, PA 15238 |
|-----------------------------------|--|---------------|--|
| PHONE:                            |  | <b>P.O.</b> # | 180-188321-1   |
| FAX:                              |  | PROJECT #     | CHK STATE M  |
| DATE RECEIVED:<br>DATE COMPLETED: | 03/21/2025<br>04/03/2025   | CONTACT:      | Jade White   |

|            |             |       | RECEIPT    | FINAL           |
|------------|-------------|-------|------------|-----------------|
| FRACTION # | <u>NAME</u> | TEST  | VAC./PRES. | <b>PRESSURE</b> |
| 01A        | 20250320M-1 | TO-15 | 9.8 "Hg    | 1.9 psi         |
| 02A        | Lab Blank   | TO-15 | NA         | NA              |
| 03A        | CCV         | TO-15 | NA         | NA              |
| 04A        | LCS         | TO-15 | NA         | NA              |
| 04AA       | LCSD        | TO-15 | NA         | NA              |
|            |             |       |            |                 |

CERTIFIED BY:

lay Lera

DATE: 04/03/25

Technical Director

Cert. No.: AZ Licensure-AZ0775, FL NELAP-E87680, LA NELAP-02089, MN NELAP-2836569, NH NELAP-209224-A, NJ NELAP-CA016, NY NELAP-11291, TX NELAP-T104704434, UT NELAP-CA009332023-16, VA NELAP-13180, WA NELAP-C935 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-21 Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

> This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC. 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630 (916) 985-1000

(910) 983-1000

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Air Toxics

#### LABORATORY NARRATIVE EPA Method TO-15 Eurofins Environment Testing Workorder# 2503633

One 6 Liter Summa Canister sample was received on March 21, 2025. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

#### **Receiving Notes**

There were no receiving discrepancies.

#### **Analytical Notes**

A single point calibration for TVOC (Total Volatile Organic Compounds) referenced to Hexane was performed for each daily analytical batch. Recovery is reported as 100% in the associated results for each CCV.

TVOC (Total Volatile Organic Compounds) referenced to Hexane includes area counts for peaks that elute from Hexane minus 0.08 minutes to Naphthalene plus 0.08 minutes and quantitating the area based on the response factor of Hexane.

The presence of a closely eluting non-target peak in sample 20250320M-1 is interfering with the quantitation mass ion for 4-Ethyltoluene. The reported 4-Ethyltoluene concentration is flagged with a "CN" flag to indicate a high bias due to matrix contribution.

#### **Definition of Data Qualifying Flags**

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

- E Exceeds instrument calibration range.
- S Saturated peak.
- Q Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Air Toxics

#### Summary of Detected Compounds EPA METHOD TO-15 GC/MS FULL SCAN

#### Client Sample ID: 20250320M-1

Lab ID#: 2503633-01A

| Compound               | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|------------------------|----------------------|------------------|-----------------------|-------------------|
| Benzene                | 0.84                 | 1.2              | 2.7                   | 3.8               |
| 4-Ethyltoluene         | 0.84                 | 1.1 CN           | 4.1                   | 5.6 CN            |
| 1,3,5-Trimethylbenzene | 0.84                 | 1.3              | 4.1                   | 6.5               |
| m,p-Xylene             | 1.7                  | 3.4              | 7.3                   | 15                |
| TVOC Ref. to Hexane    | 17                   | 3000             | 59                    | 10000             |

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**Air Toxics** 

#### Lab ID#: 2503633-01A **EPA METHOD TO-15 GC/MS FULL SCAN** File Name: 17033132 Date of Collection: 3/20/25 12:20:00 PM Dil. Factor: 1.68 Date of Analysis: 4/1/25 04:31 AM **Rpt.** Limit Amount **Rpt.** Limit Amount Compound (ug/m3) (ppbv) (ppbv) (ug/m3) 8.4 Not Detected 20 Not Detected Acetone 0.84 2.7 Benzene 1.2 3.8 alpha-Chlorotoluene 0.84 Not Detected 4.3 Not Detected 0.84 Not Detected 5.6 Not Detected Bromodichloromethane 0.84 8.7 Bromoform Not Detected Not Detected 33 Bromomethane 8.4 Not Detected Not Detected 2-Butanone (Methyl Ethyl Ketone) 3.4 Not Detected 9.9 Not Detected Carbon Disulfide 3.4 Not Detected 10 Not Detected 0.84 Not Detected 5.3 Not Detected Carbon Tetrachloride 0.84 Chlorobenzene Not Detected 3.9 Not Detected 7.2 Dibromochloromethane 0.84 Not Detected Not Detected Chloroethane 3.4 Not Detected 8.9 Not Detected 0.84 4.1 Not Detected Chloroform Not Detected Chloromethane 8.4 Not Detected 17 Not Detected 0.84 6.4 Not Detected 1,2-Dibromoethane (EDB) Not Detected 0.84 5.0 1,2-Dichlorobenzene Not Detected Not Detected 1,3-Dichlorobenzene 0.84 Not Detected 5.0 Not Detected 0.84 Not Detected 5.0 Not Detected 1,4-Dichlorobenzene 1,1-Dichloroethane 0.84 Not Detected 3.4 Not Detected 0.84 4.2 Not Detected Freon 12 Not Detected 1,2-Dichloroethane 0.84 Not Detected 3.4 Not Detected 0.84 1,1-Dichloroethene Not Detected 3.3 Not Detected 0.84 Not Detected 3.3 Not Detected cis-1,2-Dichloroethene 0.84 3.3 Not Detected trans-1,2-Dichloroethene Not Detected 1,2-Dichloropropane 0.84 Not Detected 3.9 Not Detected cis-1,3-Dichloropropene 0.84 Not Detected 3.8 Not Detected 0.84 Not Detected 3.8 Not Detected trans-1,3-Dichloropropene Freon 114 0.84 Not Detected 5.9 Not Detected 0.84 Not Detected 3.6 Not Detected Ethyl Benzene

0.84

3.4

3.4

8.4

0.84

0.84

0.84

0.84

1.7

3.4

0.84

0.84

0.84

Client Sample ID: 20250320M-1

5.6 CN

Not Detected

Released to Imaging: 6/17/2025 9:46:51 AM

4-Ethyltoluene

2-Hexanone

Styrene

Toluene

Hexachlorobutadiene

Methylene Chloride

Tetrachloroethene

4-Methyl-2-pentanone

1,1,2,2-Tetrachloroethane

1,2,4-Trichlorobenzene

1,1,1-Trichloroethane

1,1,2-Trichloroethane

Trichloroethene

1.1 CN

Not Detected

4.1

36

14

29

3.4

3.6

5.8

5.7

6.3

25

4.6

4.6

4.5

🔅 eurofins



**Air Toxics** 

#### Lab ID#: 2503633-01A EPA METHOD TO-15 GC/MS FULL SCAN File Name: 17033132 Date of Collection: 3/20/25 12:20:00 PM Dil. Factor: Date of Analysis: 4/1/25 04:31 AM 1.68 **Rpt.** Limit Amount **Rpt. Limit** Amount Compound (ug/m3) (ug/m3) (ppbv) (ppbv) Not Detected Freon 11 0.84 4.7 Not Detected 0.84 Not Detected Not Detected Freon 113 6.4 1,2,4-Trimethylbenzene 0.84 Not Detected 4.1 Not Detected 0.84 4.1 6.5 1,3,5-Trimethylbenzene 1.3 Vinyl Acetate 3.4 Not Detected 12 Not Detected 2.1 Not Detected Vinyl Chloride Not Detected 0.84 m,p-Xylene 1.7 3.4 7.3 15 o-Xylene 0.84 Not Detected 3.6 Not Detected TVOC Ref. to Hexane 17 3000 59 10000 CN =See Case Narrative explanation **Container Type: 6 Liter Summa Canister**

Client Sample ID: 20250320M-1

| Surrogates            | %Recovery | Method<br>Limits |
|-----------------------|-----------|------------------|
| Toluene-d8            | 107       | 70-130           |
| 1,2-Dichloroethane-d4 | 107       | 70-130           |
| 4-Bromofluorobenzene  | 90        | 70-130           |

Seurofins | Air Toxics

#### Client Sample ID: Lab Blank Lab ID#: 2503633-02A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor:       | 17033109e<br>1.00 | Date of Collection: NA<br>Date of Analysis: 3/31/25 03:14 PM |            |              |  |
|----------------------------------|-------------------|--|------------|--------------|--|
|                                  | Rpt. Limit        | Amount   | Rpt. Limit | Amount       |  |
| Compound                         | (ppbv)            | (ppbv)   | (ug/m3)    | (ug/m3)      |  |
| Acetone                          | 5.0               | Not Detected   | 12         | Not Detected |  |
| Benzene                          | 0.50              | Not Detected   | 1.6        | Not Detected |  |
| alpha-Chlorotoluene              | 0.50              | Not Detected   | 2.6        | Not Detected |  |
| Bromodichloromethane             | 0.50              | Not Detected   | 3.4        | Not Detected |  |
| Bromoform                        | 0.50              | Not Detected   | 5.2        | Not Detected |  |
| Bromomethane                     | 5.0               | Not Detected   | 19         | Not Detected |  |
| 2-Butanone (Methyl Ethyl Ketone) | 2.0               | Not Detected   | 5.9        | Not Detected |  |
| Carbon Disulfide                 | 2.0               | Not Detected   | 6.2        | Not Detected |  |
| Carbon Tetrachloride             | 0.50              | Not Detected   | 3.1        | Not Detected |  |
| Chlorobenzene                    | 0.50              | Not Detected   | 2.3        | Not Detected |  |
| Dibromochloromethane             | 0.50              | Not Detected   | 4.2        | Not Detected |  |
| Chloroethane                     | 2.0               | Not Detected   | 5.3        | Not Detected |  |
| Chloroform                       | 0.50              | Not Detected   | 2.4        | Not Detected |  |
| Chloromethane                    | 5.0               | Not Detected   | 10         | Not Detected |  |
| 1,2-Dibromoethane (EDB)          | 0.50              | Not Detected   | 3.8        | Not Detected |  |
| 1,2-Dichlorobenzene              | 0.50              | Not Detected   | 3.0        | Not Detected |  |
| 1,3-Dichlorobenzene              | 0.50              | Not Detected   | 3.0        | Not Detected |  |
| 1,4-Dichlorobenzene              | 0.50              | Not Detected   | 3.0        | Not Detected |  |
| 1,1-Dichloroethane               | 0.50              | Not Detected   | 2.0        | Not Detected |  |
| Freon 12                         | 0.50              | Not Detected   | 2.5        | Not Detected |  |
| 1,2-Dichloroethane               | 0.50              | Not Detected   | 2.0        | Not Detected |  |
| 1,1-Dichloroethene               | 0.50              | Not Detected   | 2.0        | Not Detected |  |
| cis-1,2-Dichloroethene           | 0.50              | Not Detected   | 2.0        | Not Detected |  |
| trans-1,2-Dichloroethene         | 0.50              | Not Detected   | 2.0        | Not Detected |  |
| 1,2-Dichloropropane              | 0.50              | Not Detected   | 2.3        | Not Detected |  |
| cis-1,3-Dichloropropene          | 0.50              | Not Detected   | 2.3        | Not Detected |  |
| trans-1,3-Dichloropropene        | 0.50              | Not Detected   | 2.3        | Not Detected |  |
| Freon 114                        | 0.50              | Not Detected   | 3.5        | Not Detected |  |
| Ethyl Benzene                    | 0.50              | Not Detected   | 2.2        | Not Detected |  |
| 4-Ethyltoluene                   | 0.50              | Not Detected   | 2.4        | Not Detected |  |
| Hexachlorobutadiene              | 2.0               | Not Detected   | 21         | Not Detected |  |
| 2-Hexanone                       | 2.0               | Not Detected   | 8.2        | Not Detected |  |
| Methylene Chloride               | 5.0               | Not Detected   | 17         | Not Detected |  |
| 4-Methyl-2-pentanone             | 0.50              | Not Detected   | 2.0        | Not Detected |  |
| Styrene                          | 0.50              | Not Detected   | 2.1        | Not Detected |  |
| 1,1,2,2-Tetrachloroethane        | 0.50              | Not Detected   | 3.4        | Not Detected |  |
| Tetrachloroethene                | 0.50              | Not Detected   | 3.4        | Not Detected |  |
| Toluene                          | 1.0               | Not Detected   | 3.8        | Not Detected |  |
| 1,2,4-Trichlorobenzene           | 2.0               | Not Detected   | 15         | Not Detected |  |
| 1,1,1-Trichloroethane            | 0.50              | Not Detected   | 2.7        | Not Detected |  |
| 1,1,2-Trichloroethane            | 0.50              | Not Detected   | 2.7        | Not Detected |  |
| Trichloroethene                  | 0.50              | Not Detected   | 2.7        | Not Detected |  |
|                                  |                   |  |            |              |  |



**eurofins** Air Toxics

#### Client Sample ID: Lab Blank Lab ID#: 2503633-02A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor: | 17033109e<br>1.00    | Date of Collection: NA<br>Date of Analysis: 3/31/25 03:14 PM |                       |                   |
|----------------------------|----------------------|--|-----------------------|-------------------|
| Compound                   | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv)   | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
| Freon 11                   | 0.50                 | Not Detected   | 2.8                   | Not Detected      |
| Freon 113                  | 0.50                 | Not Detected   | 3.8                   | Not Detected      |
| 1,2,4-Trimethylbenzene     | 0.50                 | Not Detected   | 2.4                   | Not Detected      |
| 1,3,5-Trimethylbenzene     | 0.50                 | Not Detected   | 2.4                   | Not Detected      |
| Vinyl Acetate              | 2.0                  | Not Detected   | 7.0                   | Not Detected      |
| Vinyl Chloride             | 0.50                 | Not Detected   | 1.3                   | Not Detected      |
| m,p-Xylene                 | 1.0                  | Not Detected   | 4.3                   | Not Detected      |
| o-Xylene                   | 0.50                 | Not Detected   | 2.2                   | Not Detected      |
| TVOC Ref. to Hexane        | 10                   | Not Detected   | 35                    | Not Detected      |

#### **Container Type: NA - Not Applicable**

|                       |           | Method<br>Limits |  |
|-----------------------|-----------|------------------|--|
| Surrogates            | %Recovery |                  |  |
| Toluene-d8            | 104       | 70-130           |  |
| 1,2-Dichloroethane-d4 | 102       | 70-130           |  |
| 4-Bromofluorobenzene  | 90        | 70-130           |  |



**Air Toxics** 

#### Client Sample ID: CCV Lab ID#: 2503633-03A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:                                     | 17033106 | Date of Collection: NA             |
|--|----------|------------------------------------|
| Dil. Factor:                                   | 1.00     | Date of Analysis: 3/31/25 01:51 PM |
|  |          | ·                                  |
| Compound                                       | %Rec     | overy                              |
| Acetone  | g        | 8                                  |
| Benzene  |          | 11                                 |
| alpha-Chlorotoluene                            |          | 02                                 |
| Bromodichloromethane                           |          | 07                                 |
| Bromoform                                      |          | 4                                  |
| Bromomethane                                   |          | 11                                 |
| 2-Butanone (Methyl Ethyl Ketone)               |          | 11                                 |
| Carbon Disulfide                               |          | 06                                 |
| Carbon Tetrachloride                           |          | 8                                  |
| Chlorobenzene                                  |          | 00<br>7                            |
| Dibromochloromethane<br>Chloroethane           |          | 18                                 |
| Chloroform                                     |          | 08                                 |
| Chloromethane                                  |          | 23                                 |
| 1,2-Dibromoethane (EDB)                        |          | 03                                 |
| 1,2-Dichlorobenzene                            |          | 4                                  |
| 1,3-Dichlorobenzene                            |          | 5                                  |
| 1,4-Dichlorobenzene                            |          | 4                                  |
| 1,1-Dichloroethane                             | 1        | 13                                 |
| Freon 12                                       | 10       | 08                                 |
| 1,2-Dichloroethane                             |          | )4                                 |
| 1,1-Dichloroethene                             | 10       | 02                                 |
| cis-1,2-Dichloroethene                         | 10       | 03                                 |
| trans-1,2-Dichloroethene                       | g        | 9                                  |
| 1,2-Dichloropropane                            | 1        | 16                                 |
| cis-1,3-Dichloropropene                        |          | 77                                 |
| trans-1,3-Dichloropropene                      |          | 04                                 |
| Freon 114                                      |          | 00                                 |
| Ethyl Benzene                                  |          | 7                                  |
| 4-Ethyltoluene                                 |          | 7                                  |
| Hexachlorobutadiene                            |          | 8                                  |
| 2-Hexanone                                     |          | 15                                 |
| Methylene Chloride                             |          | 16                                 |
| 4-Methyl-2-pentanone                           |          | 06                                 |
| Styrene  |          | 01                                 |
| 1,1,2,2-Tetrachloroethane<br>Tetrachloroethene |          | 11<br>3                            |
| Tetrachioroethene                              |          | 5<br>06                            |
| 1,2,4-Trichlorobenzene                         |          | D6                                 |
| 1,1,1-Trichloroethane                          |          | )2                                 |
| 1,1,2-Trichloroethane                          |          | 05                                 |
| Trichloroethene                                |          | D6                                 |
| monoroeulene                                   | I.       |                                    |



#### **Air Toxics**

#### Client Sample ID: CCV Lab ID#: 2503633-03A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor: | 17033106<br>1.00 | Date of Collection: NA<br>Date of Analysis: 3/31/25 01:51 PM |
|----------------------------|------------------|--|
| Compound                   |                  | %Recovery  |
| Freon 11                   |                  | 102  |
| Freon 113                  |                  | 98   |
| 1,2,4-Trimethylbenzene     |                  | 94   |
| 1,3,5-Trimethylbenzene     |                  | 91   |
| Vinyl Acetate              |                  | 98   |
| Vinyl Chloride             |                  | 114  |
| m,p-Xylene                 |                  | 99   |
| o-Xylene                   |                  | 98   |
| TVOC Ref. to Hexane        |                  | 100  |

#### **Container Type: NA - Not Applicable**

|                       |           | Method |  |
|-----------------------|-----------|--------|--|
| Surrogates            | %Recovery | Limits |  |
| Toluene-d8            | 104       | 70-130 |  |
| 1,2-Dichloroethane-d4 | 102       | 70-130 |  |
| 4-Bromofluorobenzene  | 94        | 70-130 |  |

**Air Toxics** 

#### Client Sample ID: LCS Lab ID#: 2503633-04A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:                       | 17033107 | Date of Collection: NA             |
|----------------------------------|----------|------------------------------------|
| Dil. Factor:                     | 1.00     | Date of Analysis: 3/31/25 02:18 PM |
| Compound                         | %Recove  | ery Limits                         |
| Acetone                          | 95       | 70-130                             |
| Benzene                          | 96       | 70-130                             |
| alpha-Chlorotoluene              | 100      | 70-130                             |
| Bromodichloromethane             | 106      | 70-130                             |
| Bromoform                        | 94       | 70-130                             |
| Bromomethane                     | 113      | 70-130                             |
| 2-Butanone (Methyl Ethyl Ketone) | 108      | 70-130                             |
| Carbon Disulfide                 | 104      | 70-130                             |
| Carbon Tetrachloride             | 98       | 70-130                             |
| Chlorobenzene                    | 101      | 70-130                             |
| Dibromochloromethane             |          | 70-130                             |
| Chloroethane                     | 120      | 70-130                             |
| Chloroform                       | 106      | 70-130                             |
| Chloromethane                    | 120      | 70-130                             |
| 1,2-Dibromoethane (EDB)          | 103      | 70-130                             |
| 1,2-Dichlorobenzene              | 95       | 70-130                             |
| ,<br>1,3-Dichlorobenzene         | 98       | 70-130                             |
| 1,4-Dichlorobenzene              | 98       | 70-130                             |
| 1,1-Dichloroethane               | 112      | 70-130                             |
| Freon 12                         | 109      | 70-130                             |
| 1,2-Dichloroethane               |          | 70-130                             |
| 1,1-Dichloroethene               | 99       | 70-130                             |
| cis-1,2-Dichloroethene           | 102      | 70-130                             |
| trans-1,2-Dichloroethene         | 101      | 70-130                             |
| 1,2-Dichloropropane              | 99       | 70-130                             |
| cis-1,3-Dichloropropene          |          | 70-130                             |
| trans-1,3-Dichloropropene        | 107      | 70-130                             |
| Freon 114                        | 100      | 70-130                             |
| Ethyl Benzene                    | 102      | 70-130                             |
| 4-Ethyltoluene                   | 96       | 70-130                             |
| Hexachlorobutadiene              | 94       | 70-130                             |
| 2-Hexanone                       | 122      | 70-130                             |
| Methylene Chloride               | 116      | 70-130                             |
| 4-Methyl-2-pentanone             | 100      | 70-130                             |
| Styrene                          | 102      | 70-130                             |
| 1,1,2,2-Tetrachloroethane        | 111      | 70-130                             |
| Tetrachloroethene                | 94       | 70-130                             |
| Toluene                          | 91       | 70-130                             |
| 1,2,4-Trichlorobenzene           | 105      | 70-130                             |
| 1,1,1-Trichloroethane            | 101      | 70-130                             |
| 1,1,2-Trichloroethane            | 107      | 70-130                             |
| Trichloroethene                  | 90       | 70-130                             |



#### **Air Toxics**

#### Client Sample ID: LCS Lab ID#: 2503633-04A EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor: | 17033107<br>1.00 |            | Date of Collection: NA<br>Date of Analysis: 3/31/25 02:18 PM |  |
|----------------------------|------------------|------------|--|--|
| Compound                   |                  | %Recovery  | Method<br>Limits   |  |
| Freon 11                   |                  | 103        | 70-130   |  |
| Freon 113                  |                  | 97         | 70-130   |  |
| 1,2,4-Trimethylbenzene     |                  | 96         | 70-130   |  |
| 1,3,5-Trimethylbenzene     |                  | 95         | 70-130   |  |
| Vinyl Acetate              |                  | 115        | 70-130   |  |
| Vinyl Chloride             |                  | 115        | 70-130   |  |
| m,p-Xylene                 |                  | 102        | 70-130   |  |
| o-Xylene                   |                  | 99         | 70-130   |  |
| TVOC Ref. to Hexane        |                  | Not Spiked |  |  |

#### **Container Type: NA - Not Applicable**

|                       |           | Method |  |
|-----------------------|-----------|--------|--|
| Surrogates            | %Recovery | Limits |  |
| Toluene-d8            | 89        | 70-130 |  |
| 1,2-Dichloroethane-d4 | 100       | 70-130 |  |
| 4-Bromofluorobenzene  | 92        | 70-130 |  |

**Air Toxics** 

#### Client Sample ID: LCSD Lab ID#: 2503633-04AA EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor:       | 17033108 Date of Collection Date of Anal | ection: NA<br>Iysis:  3/31/25 02:45 PM |
|----------------------------------|--|--|
|                                  |  | Method                                 |
| Compound                         | %Recovery                                | Limits                                 |
| Acetone                          | 95                                       | 70-130                                 |
| Benzene                          | 112                                      | 70-130                                 |
| alpha-Chlorotoluene              | 101                                      | 70-130                                 |
| Bromodichloromethane             | 105                                      | 70-130                                 |
| Bromoform                        | 94                                       | 70-130                                 |
| Bromomethane                     | 113                                      | 70-130                                 |
| 2-Butanone (Methyl Ethyl Ketone) | 111                                      | 70-130                                 |
| Carbon Disulfide                 | 104                                      | 70-130                                 |
| Carbon Tetrachloride             | 96                                       | 70-130                                 |
| Chlorobenzene                    | 102                                      | 70-130                                 |
| Dibromochloromethane             | 97                                       | 70-130                                 |
| Chloroethane                     | 121                                      | 70-130                                 |
| Chloroform                       | 102                                      | 70-130                                 |
| Chloromethane                    | 119                                      | 70-130                                 |
| 1,2-Dibromoethane (EDB)          | 104                                      | 70-130                                 |
| 1,2-Dichlorobenzene              | 95                                       | 70-130                                 |
| 1,3-Dichlorobenzene              | 97                                       | 70-130                                 |
| 1,4-Dichlorobenzene              | 97                                       | 70-130                                 |
| 1,1-Dichloroethane               | 109                                      | 70-130                                 |
| Freon 12                         | 112                                      | 70-130                                 |
| 1,2-Dichloroethane               | 103                                      | 70-130                                 |
| 1,1-Dichloroethene               | 98                                       | 70-130                                 |
| cis-1,2-Dichloroethene           | 100                                      | 70-130                                 |
| trans-1,2-Dichloroethene         | 98                                       | 70-130                                 |
| 1,2-Dichloropropane              | 115                                      | 70-130                                 |
| cis-1,3-Dichloropropene          | 110                                      | 70-130                                 |
| trans-1,3-Dichloropropene        | 107                                      | 70-130                                 |
| Freon 114                        | 99                                       | 70-130                                 |
| Ethyl Benzene                    | 101                                      | 70-130                                 |
| 4-Ethyltoluene                   | 97                                       | 70-130                                 |
| Hexachlorobutadiene              | 104                                      | 70-130                                 |
| 2-Hexanone                       | 104                                      | 70-130                                 |
| Methylene Chloride               | 113                                      | 70-130                                 |
| 4-Methyl-2-pentanone             | 115                                      | 70-130                                 |
|                                  | 102                                      | 70-130                                 |
| Styrene                          |  |  |
| 1,1,2,2-Tetrachloroethane        | 111                                      | 70-130                                 |
| Tetrachloroethene                | 93                                       | 70-130                                 |
|                                  | 105                                      | 70-130                                 |
| 1,2,4-Trichlorobenzene           | 118                                      | 70-130                                 |
|                                  | 101                                      | 70-130                                 |
| 1,1,2-Trichloroethane            | 106                                      | 70-130                                 |
| Trichloroethene                  | 106                                      | 70-130                                 |



#### **Air Toxics**

#### Client Sample ID: LCSD Lab ID#: 2503633-04AA EPA METHOD TO-15 GC/MS FULL SCAN

| File Name:<br>Dil. Factor: | 17033108<br>1.00 | Date of Collec<br>Date of Analys | tion: NA<br>sis: 3/31/25 02:45 PM |
|----------------------------|------------------|----------------------------------|-----------------------------------|
| Compound                   |                  | %Recovery                        | Method<br>Limits                  |
| Freon 11                   |                  | 103                              | 70-130                            |
| Freon 113                  |                  | 95                               | 70-130                            |
| 1,2,4-Trimethylbenzene     |                  | 98                               | 70-130                            |
| 1,3,5-Trimethylbenzene     |                  | 94                               | 70-130                            |
| Vinyl Acetate              |                  | 113                              | 70-130                            |
| Vinyl Chloride             |                  | 111                              | 70-130                            |
| m,p-Xylene                 |                  | 101                              | 70-130                            |
| o-Xylene                   |                  | 99                               | 70-130                            |
| TVOC Ref. to Hexane        |                  | Not Spiked                       |                                   |

#### **Container Type: NA - Not Applicable**

|                       |           | Method<br>Limits |  |
|-----------------------|-----------|------------------|--|
| Surrogates            | %Recovery |                  |  |
| Toluene-d8            | 104       | 70-130           |  |
| 1,2-Dichloroethane-d4 | 100       | 70-130           |  |
| 4-Bromofluorobenzene  | 94        | 70-130           |  |

## 1 2 3 4 5 6 7 8 9

# Seurofins | Air Toxics

## Method : TO-15 (Sp)-Eurofins TA (CEC, OK)

| CAS Number | Compound                         | Rpt. Limit (ppbv) |
|------------|----------------------------------|-------------------|
| 67-64-1    | Acetone                          | 5.0               |
| 71-43-2    | Benzene                          | 0.50              |
| 100-44-7   | alpha-Chlorotoluene              | 0.50              |
| 75-27-4    | Bromodichloromethane             | 0.50              |
| 75-25-2    | Bromoform                        | 0.50              |
| 74-83-9    | Bromomethane                     | 5.0               |
| 78-93-3    | 2-Butanone (Methyl Ethyl Ketone) | 2.0               |
| 75-15-0    | Carbon Disulfide                 | 2.0               |
| 56-23-5    | Carbon Tetrachloride             | 0.50              |
| 108-90-7   | Chlorobenzene                    | 0.50              |
| 124-48-1   | Dibromochloromethane             | 0.50              |
| 75-00-3    | Chloroethane                     | 2.0               |
| 67-66-3    | Chloroform                       | 0.50              |
| 74-87-3    | Chloromethane                    | 5.0               |
| 106-93-4   | 1,2-Dibromoethane (EDB)          | 0.50              |
| 95-50-1    | 1,2-Dichlorobenzene              | 0.50              |
| 541-73-1   | 1,3-Dichlorobenzene              | 0.50              |
| 106-46-7   | 1,4-Dichlorobenzene              | 0.50              |
| 75-34-3    | 1,1-Dichloroethane               | 0.50              |
| 75-71-8    | Freon 12                         | 0.50              |
| 107-06-2   | 1,2-Dichloroethane               | 0.50              |
| 75-35-4    | 1,1-Dichloroethene               | 0.50              |
| 156-59-2   | cis-1,2-Dichloroethene           | 0.50              |
| 156-60-5   | trans-1,2-Dichloroethene         | 0.50              |
| 78-87-5    | 1,2-Dichloropropane              | 0.50              |
| 10061-01-5 | cis-1,3-Dichloropropene          | 0.50              |
| 10061-02-6 | trans-1,3-Dichloropropene        | 0.50              |
| 76-14-2    | Freon 114                        | 0.50              |
| 100-41-4   | Ethyl Benzene                    | 0.50              |
| 622-96-8   | 4-Ethyltoluene                   | 0.50              |
| 87-68-3    | Hexachlorobutadiene              | 2.0               |
| 591-78-6   | 2-Hexanone                       | 2.0               |
| 75-09-2    | Methylene Chloride               | 5.0               |
| 108-10-1   | 4-Methyl-2-pentanone             | 0.50              |
| 100-42-5   | Styrene                          | 0.50              |
| 79-34-5    | 1,1,2,2-Tetrachloroethane        | 0.50              |
| 127-18-4   | Tetrachloroethene                | 0.50              |
| 108-88-3   | Toluene                          | 1.0               |
| 120-82-1   | 1,2,4-Trichlorobenzene           | 2.0               |
| 71-55-6    | 1,1,1-Trichloroethane            | 0.50              |
| 79-00-5    | 1,1,2-Trichloroethane            | 0.50              |
| 79-01-6    | Trichloroethene                  | 0.50              |
| 75-69-4    | Freon 11                         | 0.50              |
| 76-13-1    | Freon 113                        | 0.50              |
|            |                                  | 0.00              |

# 1 2 3 4 5 6 7 8 9

### 🛟 eurofins Air Toxics

#### Method : TO-15 (Sp)-Eurofins TA (CEC, OK)

| CAS Number    | Compound               | Rpt. Limit (ppbv) |  |
|---------------|------------------------|-------------------|--|
| 95-63-6       | 1,2,4-Trimethylbenzene | 0.50              |  |
| 108-67-8      | 1,3,5-Trimethylbenzene | 0.50              |  |
| 108-05-4      | Vinyl Acetate          | 2.0               |  |
| 75-01-4       | Vinyl Chloride         | 0.50              |  |
| 108-38-3      | m,p-Xylene             | 1.0               |  |
| 95-47-6       | o-Xylene               | 0.50              |  |
| 9999-9999-500 | TVOC Ref. to Hexane    | 10                |  |

|            | Surrogate             | Method Limits |  |
|------------|-----------------------|---------------|--|
| 2037-26-5  | Toluene-d8            | 70-130        |  |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 70-130        |  |
| 460-00-4   | 4-Bromofluorobenzene  | 70-130        |  |



#### Received by OCD: 6/4/2025 10:09:49 AM

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Air Toxics

#### **Eurofins Air Toxics Sample Receipt Confirmation Cover Page**

Thank you for choosing Eurofins Air Toxics (EATL). We have received your samples and have listed any Sample Receipt Descrepancies below.

In order to expedite analysis and reporting, please review the attached information for accuracy.

For corrections call: Air Toxics, Ltd. at 916-985-1000

EATL will proceed with the analysis as specified on the Chain of Custody (COC) and Sample Receipt Summary page.

**Please note** : The Sample Receipt Confirmation, including the total workorder charge, is subject to change upon secondary review. Our aim is to provide a confirmation to you in a timely manner. Sample Receipt Discrepancies, if any, may not include discrepancies regarding sample receipt pressure(s). Additionally, the COC will be provided with the final report.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 .FAX (916) 985-1020 Hours 6:30 A.M to 5:30 P.M. PST

**Air Toxics** 

#### SAMPLE RECEIPT SUMMARY

#### WORKORDER 2503633

|                 | Client   | Phone | Date Promised:<br>Date Completed: |                         |                |
|-----------------|--|-------|-----------------------------------|-------------------------|----------------|
|                 | Mr. Ken Hayes<br>Eurofins Environment Testing<br>301 Alpha Dr. | Fax   | Date Received:<br>PO#:            | 3/21/25                 |                |
|                 | Pittsburgh, PA 15238   |       | Project#:                         | CHK STATE N             | 1              |
|                 | Sales Rep: TA  |       | Total \$:<br>Logged By:           | \$ 155.00<br>KCB        |                |
| <u>Fraction</u> | Sample #   |       | <u>Analysis</u> <u>Co</u>         | <u>llected</u> <u>A</u> | <u>mount\$</u> |
| 01A             | 20250320M-1  |       | TO-15 3/2                         | 0/2025                  | \$120.00       |

\$30.00 Misc. Charges 6 Liter Summa Canister (1) @ \$30.00 each., Shipment 168820 Fitting w/ Pink Ferrule (1) @ \$5.00 each. \$5.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day. Atlas Project Name/Profile#: CHK State M-1/23738

BILL TO: Mr. Ken Hayes Eurofins Environment Testing 301 Alpha Dr. Pittsburgh, PA 15238

Analysis Code: TO-14A

**TERMS:** 

Reporting Method: TO-15 (Sp)-Eurofins TA (CEC, OK)

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

#### Page 1 Page 26 of 30



#### Received by OCD: 6/4/2025 10:09:49 AM

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4/3/2025



**Air Toxics** 

| CAS Number | Compound                         | Rpt. Limit (ppbv) |
|------------|----------------------------------|-------------------|
| 67-64-1    | Acetone                          | 5.0               |
| 71-43-2    | Benzene                          | 0.50              |
| 100-44-7   | alpha-Chlorotoluene              | 0.50              |
| 75-27-4    | Bromodichloromethane             | 0.50              |
| 75-25-2    | Bromoform                        | 0.50              |
| 74-83-9    | Bromomethane                     | 5.0               |
| 78-93-3    | 2-Butanone (Methyl Ethyl Ketone) | 2.0               |
| 75-15-0    | Carbon Disulfide                 | 2.0               |
| 56-23-5    | Carbon Tetrachloride             | 0.50              |
| 108-90-7   | Chlorobenzene                    | 0.50              |
| 124-48-1   | Dibromochloromethane             | 0.50              |
| 75-00-3    | Chloroethane                     | 2.0               |
| 67-66-3    | Chloroform                       | 0.50              |
| 74-87-3    | Chloromethane                    | 5.0               |
| 106-93-4   | 1,2-Dibromoethane (EDB)          | 0.50              |
| 95-50-1    | 1,2-Dichlorobenzene              | 0.50              |
| 541-73-1   | 1,3-Dichlorobenzene              | 0.50              |
| 106-46-7   | 1,4-Dichlorobenzene              | 0.50              |
| 75-34-3    | 1,1-Dichloroethane               | 0.50              |
| 75-71-8    | Freon 12                         | 0.50              |
| 107-06-2   | 1,2-Dichloroethane               | 0.50              |
| 75-35-4    | 1,1-Dichloroethene               | 0.50              |
| 156-59-2   | cis-1,2-Dichloroethene           | 0.50              |
| 156-60-5   | trans-1,2-Dichloroethene         | 0.50              |
| 78-87-5    | 1,2-Dichloropropane              | 0.50              |
| 10061-01-5 | cis-1,3-Dichloropropene          | 0.50              |
| 10061-02-6 | trans-1,3-Dichloropropene        | 0.50              |
| 76-14-2    | Freon 114                        | 0.50              |
| 100-41-4   | Ethyl Benzene                    | 0.50              |
| 622-96-8   | 4-Ethyltoluene                   | 0.50              |
| 87-68-3    | Hexachlorobutadiene              | 2.0               |
| 591-78-6   | 2-Hexanone                       | 2.0               |
| 75-09-2    | Methylene Chloride               | 5.0               |
| 108-10-1   | 4-Methyl-2-pentanone             | 0.50              |
| 100-42-5   | Styrene                          | 0.50              |
| 79-34-5    | 1,1,2,2-Tetrachloroethane        | 0.50              |
| 127-18-4   | Tetrachloroethene                | 0.50              |
| 108-88-3   | Toluene                          | 1.0               |
| 120-82-1   | 1,2,4-Trichlorobenzene           | 2.0               |
| 71-55-6    | 1,1,1-Trichloroethane            | 0.50              |

#### Method : TO-15 (Sp)-Eurofins TA (CEC, OK)

Released to Imaging: 6/17/2025 9:46:51 AM


Air Toxics

| CAS Number    | Compound               | Rpt. Limit (ppbv) |
|---------------|------------------------|-------------------|
| 79-00-5       | 1,1,2-Trichloroethane  | 0.50              |
| 79-01-6       | Trichloroethene        | 0.50              |
| 75-69-4       | Freon 11               | 0.50              |
| 76-13-1       | Freon 113              | 0.50              |
| 95-63-6       | 1,2,4-Trimethylbenzene | 0.50              |
| 108-67-8      | 1,3,5-Trimethylbenzene | 0.50              |
| 108-05-4      | Vinyl Acetate          | 2.0               |
| 75-01-4       | Vinyl Chloride         | 0.50              |
| 108-38-3      | m,p-Xylene             | 1.0               |
| 95-47-6       | o-Xylene               | 0.50              |
| 9999-9999-500 | TVOC Ref. to Hexane    | 10                |

Method : TO-15 (Sp)-Eurofins TA (CEC, OK)

| CAS Number | Surrogate             | Method Limits |  |
|------------|-----------------------|---------------|--|
| 2037-26-5  | Toluene-d8            | 70-130        |  |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 70-130        |  |
| 460-00-4   | 4-Bromofluorobenzene  | 70-130        |  |

Job Number: 180-188321-1 SDG Number: Property ID: 891077

List Source: Eurofins Pittsburgh

#### Login Sample Receipt Checklist

Client: Chesapeake Energy Corporation

## Login Number: 188321

List Number: 1 Creator: Hayes, Ken

| Question  | Answer | Comment |
|---|--------|---------|
| Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td> | N/A    |         |
| The cooler's custody seal, if present, is intact.   | N/A    |         |
| Sample custody seals, if present, are intact.   | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.                            | N/A    |         |
| Samples were received on ice.   | N/A    |         |
| Cooler Temperature is acceptable.   | N/A    |         |
| Cooler Temperature is recorded.   | N/A    |         |
| COC is present.   | True   |         |
| COC is filled out in ink and legible.   | True   |         |
| COC is filled out with all pertinent information.   | True   |         |
| Is the Field Sampler's name present on COC?   | True   |         |
| There are no discrepancies between the containers received and the COC.                                   | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)                             | N/A    |         |
| Sample containers have legible labels.  | True   |         |
| Containers are not broken or leaking.   | True   |         |
| Sample collection date/times are provided.  | True   |         |
| Appropriate sample containers are used.   | True   |         |
| Sample bottles are completely filled.   | N/A    |         |
| Sample Preservation Verified.   | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs                          | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").                           | N/A    |         |
| Multiphasic samples are not present.  | N/A    |         |
| Samples do not require splitting or compositing.  | True   |         |
| Residual Chlorine Checked.  | N/A    |         |
|   |        |         |



**Environment Testing** 

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# PREPARED FOR

Attn: Dana Drury Chesapeake Energy Corporation PO BOX 548806 Oklahoma City, Oklahoma 73154 Generated 6/27/2024 11:55:18 AM

**ANALYTICAL REPORT** 

JOB DESCRIPTION

CHK State M

# **JOB NUMBER**

180-175999-1

Eurofins Pittsburgh 301 Alpha Drive RIDC Park Pittsburgh PA 15238

See page two for job notes and contact information



# **Eurofins Pittsburgh**

**Job Notes** 

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

**Authorization** 

Kunth Hay

Generated 6/27/2024 11:55:18 AM

Authorized for release by Ken Hayes, Project Manager II Ken.Hayes@et.eurofinsus.com (615)301-5035

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## **Case Narrative**

Client: Chesapeake Energy Corporation Project: CHK State M

# Eurofins Pittsburgh

Job ID: 180-175999-1

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#### Job ID: 180-175999-1

## Job Narrative

180-175999-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 6/19/2024 9:49 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

NEG POS

PQL

PRES

QC

RER

RL RPD

TEF

TEQ

TNTC

## **Definitions/Glossary**

Client: Chesapeake Energy Corporation Project/Site

Positive / Present

Presumptive

Quality Control

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Job ID: 180-175999-1

| Project/Site: 0 | CHK State M   |   |
|-----------------|---|---|
| Glossary        |   | 3 |
| Abbreviation    | These commonly used abbreviations may or may not be present in this report.                                 |   |
| ¤               | Listed under the "D" column to designate that the result is reported on a dry weight basis                  | 4 |
| %R              | Percent Recovery  |   |
| CFL             | Contains Free Liquid  | 5 |
| CFU             | Colony Forming Unit   | 3 |
| CNF             | Contains No Free Liquid   |   |
| DER             | Duplicate Error Ratio (normalized absolute difference)  |   |
| Dil Fac         | Dilution Factor   |   |
| DL              | Detection Limit (DoD/DOE)   |   |
| DL, RA, RE, IN  | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |   |
| DLC             | Decision Level Concentration (Radiochemistry)   | ð |
| EDL             | Estimated Detection Limit (Dioxin)  |   |
| LOD             | Limit of Detection (DoD/DOE)  | 9 |
| LOQ             | Limit of Quantitation (DoD/DOE)   |   |
| MCL             | EPA recommended "Maximum Contaminant Level"   |   |
| MDA             | Minimum Detectable Activity (Radiochemistry)  |   |
| MDC             | Minimum Detectable Concentration (Radiochemistry)   |   |
| MDL             | Method Detection Limit  |   |
| ML              | Minimum Level (Dioxin)  |   |
| MPN             | Most Probable Number  |   |
| MQL             | Method Quantitation Limit   |   |
| NC              | Not Calculated  |   |
| ND              | Not Detected at the reporting limit (or MDL or EDL if shown)  |   |
| NEG             | Negative / Absent   |   |

# **Accreditation/Certification Summary**

Client: Chesapeake Energy Corporation Project/Site: CHK State M

#### Job ID: 180-175999-1

#### Laboratory: Eurofins Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| ate<br>ate<br>ate<br>ate | PH-0818<br>N/A<br>12028 (NJ)<br>M-NJ312 | 09-30-24<br>01-02-25<br>06-30-24<br>06-30-24                                      | ł  |
|--------------------------|---|---|--|
| ate                      | 12028 (NJ)                              | 06-30-24  | ł  |
|                          |   |   | 6  |
| ate                      | M-NJ312                                 | 06-30-24  |  |
|                          |   | 00 00 24  |  |
| ELAP                     | 12028                                   | 06-30-24  |  |
| ELAP                     | 11452                                   | 04-01-25  |  |
| ELAP                     | 68-00522                                | 02-28-25  |  |
| ate                      | LAO00376                                | 12-31-24  | 9  |
| S Federal Programs       | 525-24-149-77606                        | 05-21-27  |  |
|                          | ELAP<br>ELAP<br>ate                     | ELAP         11452           ELAP         68-00522           ate         LAO00376 | ELAP     11452     04-01-25       ELAP     68-00522     02-28-25       ate     LAO00376     12-31-24 |

# **Sample Summary**

Client: Chesapeake Energy Corporation Project/Site: CHK State M

Job ID: 180-175999-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 180-175999-1  | MW-4             | Water  | 06/18/24 09:30 | 06/19/24 09:49 |
| 180-175999-2  | Dup              | Water  | 06/18/24 00:00 | 06/19/24 09:49 |
| 180-175999-3  | Eq Blank         | Water  | 06/18/24 07:00 | 06/19/24 09:49 |

# **Method Summary**

#### Client: Chesapeake Energy Corporation Project/Site: CHK State M

| ethod      | Method Description  | Protocol | Laboratory |     |
|------------|---|----------|------------|-----|
| 0.0        | Anions, Ion Chromatography  | EPA      | EET EDI    | _   |
| Protocol R | eferences:  |          |            |     |
| EPA = l    | IS Environmental Protection Agency  |          |            |     |
| Laborator  | v References:   |          |            |     |
| EET ED     | I = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900 |          |            |     |
|            |   |          |            | 1   |
|            |   |          |            |     |
|            |   |          |            |     |
|            |   |          |            |     |
|            |   |          |            |     |
|            |   |          |            | - 1 |

## Lab Chronicle

Job ID: 180-175999-1

**Matrix: Water** 

Lab Sample ID: 180-175999-1

## Project/Site: CHK State M **Client Sample ID: MW-4** Date Collected: 06/18/24 09:30

Client: Chesapeake Energy Corporation

| Date | <b>Received:</b> | 06/19/24 | 09:49 |
|------|------------------|----------|-------|
|      |                  |          |       |

| Prep Type<br>Total/NA | Batch<br>Type<br>Analvsis | Batch<br><u>Method</u><br><u>300.0</u> | Run | Dil<br>Factor | Initial<br>Amount<br>10 mL | Final<br>Amount<br>10 mL | Batch<br>Number<br>982215 | Prepared<br>or Analyzed<br>06/26/24 14:30 | Analyst | Lab<br>EET EDI |
|-----------------------|---------------------------|--|-----|---------------|----------------------------|--------------------------|---------------------------|---|---------|----------------|
|                       | Instrumer                 | nt ID: IC 1                            |     |               |                            |                          |                           |   |         |                |
| <b>Client Sam</b>     | ple ID: Dup               | )                                      |     |               |                            |                          | La                        | b Sample II                               | D: 180- | 175999-        |
| Date Collecte         | d: 06/18/24 0             | 0:00                                   |     |               |                            |                          |                           | -   | Ma      | trix: Wate     |
|                       | d: 06/19/24 0             | 0.40                                   |     |               |                            |                          |                           |   |         |                |

| Prep Type | Batch<br>Type | Batch<br>Method        | Run | Dil<br>Factor | Initial<br>Amount | Final<br>Amount | Batch<br>Number | Prepared<br>or Analvzed | Analvst | Lab     |
|-----------|---------------|------------------------|-----|---------------|-------------------|-----------------|-----------------|-------------------------|---------|---------|
| Total/NA  | Analysis      | - 300.0<br>it ID: IC 1 |     | 10            | 10 mL             | 10 mL           | 982215          | 06/26/24 14:45          |         | EET EDI |

#### **Client Sample ID: Eq Blank** Date Collected: 06/18/24 07:00 Date Received: 06/19/24 09:49

| Lab Sample ID: ' | 180-175999-3  |
|------------------|---------------|
|                  | Matrix: Water |

|           | Batch     | Batch      |     | Dil    | Initial | Final  | Batch  | Prepared       |         |         |
|-----------|-----------|------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре      | Method     | Run | Factor | Amount  | Amount | Number | or Analyzed    | Analyst | Lab     |
| Total/NA  | Analysis  | 300.0      |     | 1      | 10 mL   | 10 mL  | 982215 | 06/26/24 15:00 | OXG     | EET EDI |
|           | Instrumer | t ID: IC 1 |     |        |         |        |        |                |         |         |

#### Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

#### Analyst References:

Lab: EET EDI

Batch Type: Analysis OXG = Olivia Guerrero

5

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# **Client Sample Results**

)-1

Analyzed

Lab Sample ID: 180-175999-1

| Client: Chesapeake Energy Corporation |
|---------------------------------------|
| Project/Site: CHK State M             |

Matrix: Water

Dil Fac

| 5 |
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|   |
|   |
| 8 |
| 9 |
|   |
|   |
|   |

| Client Sample ID: MV              | V-4              |                                     |    |
|-----------------------------------|------------------|-------------------------------------|----|
| Date Collected: 06/18/24          | 09:30            |                                     |    |
| Date Received: 06/19/24           | 09:49            |                                     |    |
|                                   |                  |                                     |    |
| <br>Method: EPA 300.0 - An        | ions, Ion Chroma | tography                            |    |
| Method: EPA 300.0 - An<br>Analyte |                  | t <mark>ography</mark><br>Qualifier | RL |

| Chloride                 | 374              |           | 10.0 |     | mg/L |     |          | 06/26/24 14:30 | 10      |
|--------------------------|------------------|-----------|------|-----|------|-----|----------|----------------|---------|
| Client Sample ID: Du     | р                |           |      |     |      | Lal | b Sample | ID: 180-175    | 5999-2  |
| Date Collected: 06/18/24 | 00:00            |           |      |     |      |     | -        | Matrix         | : Water |
| Date Received: 06/19/24  | 09:49            |           |      |     |      |     |          |                |         |
| Method: EPA 300.0 - An   | ions, Ion Chroma | tography  |      |     |      |     |          |                |         |
| Analyte                  | Result           | Qualifier | RL   | MDL | Unit | D   | Prepared | Analyzed       | Dil Fac |
| Chloride                 | 368              |           | 10.0 |     | mg/L |     |          | 06/26/24 14:45 | 10      |
| Client Sample ID: Eq     | Blank            |           |      |     |      | Lal | b Sample | ID: 180-175    | 5999-3  |
| Date Collected: 06/18/24 | 07:00            |           |      |     |      |     | -        | Matrix         | : Water |
| Date Received: 06/19/24  | 09:49            |           |      |     |      |     |          |                |         |
|                          | ions, Ion Chroma | tography  |      |     |      |     |          |                |         |
| Analyte                  |                  | Qualifier | RL   | MDL | Unit | D   | Prepared | Analyzed       | Dil Fac |
| Chloride                 | 12.0             |           | 1.00 |     | mg/L |     |          | 06/26/24 15:00 | 1       |

MDL Unit

D

Prepared

# **QC Sample Results**

Client: Chesapeake Energy Corporation Project/Site: CHK State M Job ID: 180-175999-1

## Method: 300.0 - Anions, Ion Chromatography

| Lab Sample ID: MB 460-982215/3<br>Matrix: Water<br>Analysis Batch: 982215 |        |           |       |      |        |         |       |        | Clie  | ent Sam | ple ID: M<br>Prep Ty |        |         | 4 |
|---|--------|-----------|-------|------|--------|---------|-------|--------|-------|---------|----------------------|--------|---------|---|
| Analysis Datch. 302213  | МВ     | МВ        |       |      |        |         |       |        |       |         |                      |        |         | 5 |
| Analyte   | Result | Qualifier |       | RL   | Γ      | MDL Uı  | nit   | D      | Р     | repared | Analy                | zed    | Dil Fac |   |
| Chloride  | ND     |           |       | 1.00 |        | m       | g/L   |        |       |         | 06/26/24             | 03:12  | 1       |   |
| Lab Sample ID: LCS 460-982215/5<br>Matrix: Water                          |        |           |       |      |        |         |       | Client | t Sai | nple ID | : Lab Coi<br>Prep Ty |        |         | 7 |
| Analysis Batch: 982215  |        |           |       |      |        |         |       |        |       |         |                      |        |         | 8 |
|   |        |           | Spike |      | LCS    | LCS     |       |        |       |         | %Rec                 |        |         | U |
| Analyte   |        |           | Added |      | Result | Qualifi | er Un | nit    | D     | %Rec    | Limits               |        |         | 6 |
| Chloride  |        |           | 3.20  |      | 2.925  |         | mg    | g/L    |       | 91      | 90 - 110             |        |         | 3 |
| Lab Sample ID: LCSD 460-982215/6  | 3      |           |       |      |        |         | Clie  | nt San | nple  | ID: Lab | Control              | Samp   | le Dup  | 1 |
| Matrix: Water   |        |           |       |      |        |         |       |        |       |         | Prep Ty              | pe: To | tal/NA  |   |
| Analysis Batch: 982215  |        |           |       |      |        |         |       |        |       |         |                      |        |         |   |
| -   |        |           | Spike |      | LCSD   | LCSD    |       |        |       |         | %Rec                 |        | RPD     |   |
| Analyte   |        |           | Added | 1    | Result | Qualifi | er Un | nit    | D     | %Rec    | Limits               | RPD    | Limit   |   |
| Chloride  |        |           | 3.20  |      | 2.894  |         | mc    | r/l    |       | 90      | 90 - 110             | 1      | 15      |   |

# **QC Association Summary**

Client: Chesapeake Energy Corporation Project/Site: CHK State M

## HPLC/IC

#### Analysis Batch: 982215

| Lab Sample ID<br>180-175999-1 | Client Sample ID       | Prep Type<br>Total/NA | Matrix<br>Water | <u>Method</u><br>300.0 | Prep Batch |
|-------------------------------|------------------------|-----------------------|-----------------|------------------------|------------|
| 180-175999-2                  | Dup                    | Total/NA              | Water           | 300.0                  |            |
| 180-175999-3                  | Eq Blank               | Total/NA              | Water           | 300.0                  |            |
| MB 460-982215/3               | Method Blank           | Total/NA              | Water           | 300.0                  |            |
| LCS 460-982215/5              | Lab Control Sample     | Total/NA              | Water           | 300.0                  |            |
| LCSD 460-982215/6             | Lab Control Sample Dup | Total/NA              | Water           | 300.0                  |            |

| P | ag | е | 1 | 94 | of | 2. | 5( | ) |
|---|----|---|---|----|----|----|----|---|
|   |    |   |   |    |    |    |    |   |

11 12 13

Job ID: 180-175999-1

| Eurofine Edicon                         |                                   |                                       | 10   | 310472                      |   |
|---|-----------------------------------|---------------------------------------|--|-----------------------------|---|
| T77 New Durham Road<br>Edison, NJ 08817 | Chain of Cu                       | ain of Custody Record                 | HARRISBUR(   | BURG                        |   |
| Phone 732-549-3900 Fax 732-549-3679     | C                                 | I ab DM                               | Carner   | Γ                           | COC No  |
| Client Information                      | Sampler Furt                      | Hayes, Ken                            |  |                             | 180-100413-18137 1                                |
| Client Contact.<br>Julie Czech          | Phone /                           | E-Mail<br>Ken Hayes@et.eurofinsus.com | State of Origin<br>finsus.com  |                             | Page 1 of 1 N6/12/24                              |
| Company<br>Equus Environmental LLC      | QISMd                             |                                       | Analysis Requested   |                             | 100 # JOG   |
| Address<br>1923 South 44th West Avenue  | Due Date Requested:               |                                       |  |                             | Preservation Codes:<br>A-HCL<br>N-None 180-175999 |
| City<br>Tulsa                           | TAT Requested (days):             |                                       |  |                             | -   |
| State, Zip<br>OK, 74107                 | Compliance Project: Δ Yes Δ No    |                                       |  |                             |   |
| Phone<br>405-935-6870(Tel)              | PO #<br>Cost Center 9001036000    |                                       |  |                             |   |
| Email<br>Julie czech@equusenv.com       | #OM                               | (on                                   |  | 519<br>                     |   |
| Project Name<br>CHK State M             | Project #:<br>18028372            | EX<br>(62 OL                          |  |                             |   |
| site State M                            | #MOSS                             | n) azi                                | -  |                             | Other:  |
|   | Sample<br>Type<br>Sample (C=comp, | р, O-ORGFM_2<br>                      | 30-175999  | edmUN late                  |   |
| Sample Identification                   | Sample Date Time G=grab           | ation Code: XA                        |  |                             | Special Instructions/Note:                        |
| Mu/- J                                  | 6-18-24 930 6                     | Water N X                             | n of o   |                             |   |
|   | 1                                 | Water M X                             | Custo  |                             |   |
| E. BLAF                                 | 700                               | Water N X                             |  |                             |   |
| 1 1                                     |                                   | Water N                               |  |                             |   |
| Since & second                          |                                   | Water                                 |  |                             |   |
|   |                                   |                                       |  |                             |   |
|   |                                   |                                       |  |                             |   |
|   |                                   |                                       |  |                             |   |
|   |                                   |                                       |  |                             |   |
|   |                                   |                                       |  |                             |   |
|   |                                   |                                       | Samula Disnosal / A fee may he assossed if samules are refained (noder than 1 month) | ed if samples are retaine   | d longer than 1 month)                            |
| ant                                     | Poison BUnknownRadiological       |                                       | Return To Client   | Disposal By Lab             | e For Months                                      |
| Other (specify)                         |                                   | Special Ins                           | Special Instructions/QC Requirements   |                             |   |
| Empty Kit Relinguished by:              | Date.                             | Time.                                 |  | Method of Shipment: Fell ex | 6772 2905 1790                                    |
|   | Date/Time<br>CUISE24 1600         | کر                                    | Select   | -COC Date Time              | d la company                                      |
| Relinquished by                         |                                   | Company Received by                   |  | Daté/Timé                   | Company   |
| Relinquished by                         | Date/Time                         | Company Received by                   | l by-  | Date/Time                   | Company   |
| Custody Seals Intact: Custody Seal No.  |                                   | Cooler T                              | Cooler Temperature(s) °C and Other Remarks <sup>.</sup>                              | -                           |   |
| 72.90.80                                | (1.20                             |                                       | 1  |                             | Ver 04 02/2024                                    |

11 12 13

Page 13 of 16 Released to Imaging: 6/17/2025 9:46:51 AM

6/27/2024

#### Login Sample Receipt Checklist

Job Number: 180-175999-1 Client: Chesapeake Energy Corporation Login Number: 175999 List Source: Eurofins Pittsburgh 5 List Number: 1 Creator: Rivera, Kenneth Answer Comment Question Radioactivity wasn't checked or is </= background as measured by a survey meter. The cooler's custody seal, if present, is intact. Sample custody seals, if present, are intact. The cooler or samples do not appear to have been compromised or tampered with. Samples were received on ice. Cooler Temperature is acceptable. Cooler Temperature is recorded. COC is present. COC is filled out in ink and legible. COC is filled out with all pertinent information. Is the Field Sampler's name present on COC? 13 There are no discrepancies between the containers received and the COC. Samples are received within Holding Time (excluding tests with immediate HTs) Sample containers have legible labels. Containers are not broken or leaking. Sample collection date/times are provided. Appropriate sample containers are used. Sample bottles are completely filled. Sample Preservation Verified. There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs Containers requiring zero headspace have no headspace or bubble is

Eurofins Pittsburgh Released to Imaging: 6/17/2025 9:46:51 AM

<6mm (1/4").

Multiphasic samples are not present.

Residual Chlorine Checked.

Samples do not require splitting or compositing.

Job Number: 180-175999-1

List Source: Eurofins Edison

## Login Sample Receipt Checklist

Client: Chesapeake Energy Corporation

Login Number: 175999 List Number: 2 Creator: Rivera, Kenneth

| Login Number: 175999<br>List Number: 2<br>Creator: Rivera, Kenneth  |        |              | List Source: Eurofins Edison<br>List Creation: 06/22/24 10:32 AM | 5  |
|---|--------|--------------|--|----|
| Question  | Answer | Comment      |  |    |
| Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td> <td></td> <td></td> | N/A    |              |  |    |
| The cooler's custody seal, if present, is intact.   | True   |              |  |    |
| Sample custody seals, if present, are intact.   | True   |              |  | 8  |
| The cooler or samples do not appear to have been compromised or tampered with.  | True   |              |  | 9  |
| Samples were received on ice.   | True   |              |  |    |
| Cooler Temperature is acceptable.   | True   |              |  |    |
| Cooler Temperature is recorded.   | True   | 1.2°C, IR #9 |  |    |
| COC is present.   | True   |              |  |    |
| COC is filled out in ink and legible.   | True   |              |  |    |
| COC is filled out with all pertinent information.   | True   |              |  |    |
| Is the Field Sampler's name present on COC?   | True   |              |  | 13 |
| There are no discrepancies between the containers received and the COC.   | True   |              |  |    |
| Samples are received within Holding Time (excluding tests with immediate HTs)   | True   |              |  |    |
| Sample containers have legible labels.  | True   |              |  |    |
| Containers are not broken or leaking.   | True   |              |  |    |
| Sample collection date/times are provided.  | True   |              |  |    |
| Appropriate sample containers are used.   | True   |              |  |    |
| Sample bottles are completely filled.   | True   |              |  |    |
| Sample Preservation Verified.   | True   |              |  |    |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs  | True   |              |  |    |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").   | True   |              |  |    |
| Multiphasic samples are not present.  | True   |              |  |    |
| Samples do not require splitting or compositing.  | True   |              |  |    |
| Residual Chlorine Checked.  | N/A    |              |  |    |



**Environment Testing** 

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# **PREPARED FOR**

Attn: Dana Drury Chesapeake Energy Corporation PO BOX 548806 Oklahoma City, Oklahoma 73154 Generated 12/4/2024 1:28:58 PM

**ANALYTICAL REPORT** 

# JOB DESCRIPTION

CHK State M

# **JOB NUMBER**

180-183252-1

Eurofins Pittsburgh 301 Alpha Drive RIDC Park Pittsburgh PA 15238

See page two for job notes and contact information



# **Eurofins Pittsburgh**

**Job Notes** 

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

**Authorization** 

Kunth Hay

Generated 12/4/2024 1:28:58 PM

Authorized for release by Ken Hayes, Project Manager II Ken.Hayes@et.eurofinsus.com (615)301-5035

Page 2 of 17

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|------------------------|----|
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|                        |    |

Job ID: 180-183252-1

## **Case Narrative**

Client: Chesapeake Energy Corporation Project: CHK State M

## **Eurofins Pittsburgh**

Job ID: 180-183252-1

#### Job Narrative 180-183252-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
  situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
  specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 11/22/2024 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C.

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

# **Definitions/Glossary**

Client: Chesapeake Energy Corporation Project/Site: CHK State M

Job ID: 180-183252-1

| Glossary       |   | 3 |
|----------------|---|---|
| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |   |
| ¢.             | Listed under the "D" column to designate that the result is reported on a dry weight basis                  | 4 |
| %R             | Percent Recovery  |   |
| CFL            | Contains Free Liquid  | 5 |
| CFU            | Colony Forming Unit   |   |
| CNF            | Contains No Free Liquid   | 6 |
| DER            | Duplicate Error Ratio (normalized absolute difference)  |   |
| Dil Fac        | Dilution Factor   |   |
| DL             | Detection Limit (DoD/DOE)   |   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |   |
| DLC            | Decision Level Concentration (Radiochemistry)   | 8 |
| EDL            | Estimated Detection Limit (Dioxin)  |   |
| LOD            | Limit of Detection (DoD/DOE)  | 9 |
| LOQ            | Limit of Quantitation (DoD/DOE)   |   |
| MCL            | EPA recommended "Maximum Contaminant Level"   |   |
| MDA            | Minimum Detectable Activity (Radiochemistry)  |   |
| MDC            | Minimum Detectable Concentration (Radiochemistry)   |   |
| MDL            | Method Detection Limit  |   |
| ML             | Minimum Level (Dioxin)  |   |
| MPN            | Most Probable Number  |   |
| MQL            | Method Quantitation Limit   |   |
| NC             | Not Calculated  |   |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)  |   |
| NEG            | Negative / Absent   |   |
| POS            | Positive / Present  |   |
| PQL            | Practical Quantitation Limit  |   |
| PRES           | Presumptive   |   |
| QC             | Quality Control   |   |
| RER            | Relative Error Ratio (Radiochemistry)   |   |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)   |   |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |   |
| TEF            | Toxicity Equivalent Factor (Dioxin)   |   |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)   |   |
| TNTC           | Too Numerous To Count   |   |

# **Accreditation/Certification Summary**

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Program

State

State

State

State

NELAP

NELAP

NELAP

**US Federal Programs** 

State

Client: Chesapeake Energy Corporation Project/Site: CHK State M

Laboratory: Eurofins Edison

DE Haz. Subst. Cleanup Act (HSCA)

Authority

Georgia

Connecticut

Massachusetts

New Jersey

Pennsylvania

Rhode Island

New York

USDA

**Identification Number** 

PH-0818

12028 (NJ)

M-NJ312

68-00522

LAO00376

525-24-149-77606

12028

11452

N/A

**Expiration Date** 

09-30-26

01-02-25

07-01-25

07-01-25

06-30-25

04-01-25

02-28-25

12-31-24

05-21-27

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#### Job ID: 180-183252-1

# 2 3 4 5

11 12

# **Sample Summary**

Client: Chesapeake Energy Corporation Project/Site: CHK State M

Job ID: 180-183252-1

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| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 180-183252-1  | MW-4             | Water  | 11/21/24 11:15 | 11/22/24 09:30 |
| 180-183252-2  | DUP              | Water  | 11/21/24 11:15 | 11/22/24 09:30 |
| 180-183252-3  | EQUIPMENT BLANK  | Water  | 11/21/24 09:25 | 11/22/24 09:30 |

## **Method Summary**

#### Client: Chesapeake Energy Corporation Project/Site: CHK State M

| lethod     | Method Description   | Protocol | Laboratory |
|------------|--|----------|------------|
| 800.0      | Anions, Ion Chromatography   | EPA      | EET EDI    |
| Protocol F | References:  |          |            |
| EPA = l    | JS Environmental Protection Agency   |          |            |
| Laborator  | y References:  |          |            |
| EET ED     | DI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900 |          |            |
|            |  |          |            |
|            |  |          |            |
|            |  |          |            |
|            |  |          |            |
|            |  |          |            |
|            |  |          |            |
|            |  |          |            |
|            |  |          |            |
|            |  |          |            |

#### Laboratory References:

Client: Chesapeake Energy Corporation

## Lab Chronicle

Job ID: 180-183252-1

**Matrix: Water** 

5

8

Lab Sample ID: 180-183252-1

#### Project/Site: CHK State M **Client Sample ID: MW-4** Date Collected: 11/21/24 11:15 Data Bassiwadi 11/22/24 00:20

|  | Batch                                   | Batch                 | _   | Dil           | Initial           | Final           | Batch   | Prepared       |                |            |
|--|---|-----------------------|-----|---------------|-------------------|-----------------|---------|----------------|----------------|------------|
| Prep Type  | Туре                                    | Method                | Run | Factor        | Amount            | Amount          | Number  | or Analyzed    | Analyst        | Lab        |
| Total/NA   | Analysis                                | 300.0                 |     | 5             | 10 mL             | 10 mL           | 1009765 | 12/01/24 13:47 | OXG            | EET EDI    |
|  | Instrumer                               | t ID: IC 2            |     |               |                   |                 |         |                |                |            |
| liont Sam  |   | <b>C</b>              |     |               |                   |                 | 12      | b Sample II    | 100            | 193252 -   |
|  | ple ID: DUI                             |                       |     |               |                   |                 | La      | n Sample II    | <b>D. 100-</b> | 103232-    |
|  | -                                       |                       |     |               |                   |                 | La      | n Sample II    |                | trix: Wate |
| Date Collecte  | d: 11/21/24 1                           | 1:15                  |     |               |                   |                 | La      |                |                |            |
| Date Collecte  | d: 11/21/24 1                           | 1:15                  |     | Dil           | Initial           | Final           | La      | Prepared       |                |            |
| Date Collecte<br>Date Receive                          | d: 11/21/24 1<br>d: 11/22/24 0          | 1:15<br>9:30          | Run | Dil<br>Factor | Initial<br>Amount | Final<br>Amount |         |                |                |            |
| Date Collecte<br>Date Receive<br>Prep Type<br>Total/NA | d: 11/21/24 1<br>d: 11/22/24 0<br>Batch | 1:15<br>9:30<br>Batch | Run |               |                   |                 | Batch   | Prepared       | Ма             | trix: Wate |

#### **Client Sample ID: EQUIPMENT BLANK** Date Collected: 11/21/24 09:25 Date Received: 11/22/24 09:30

Lab Sample ID: 180-183252-3 **Matrix: Water** 

| -<br>                 | Batch    | Batch             | Dura | Dil    | Initial         | Final           | Batch             | Prepared                      | Awalisat       | Lab     |
|-----------------------|----------|-------------------|------|--------|-----------------|-----------------|-------------------|-------------------------------|----------------|---------|
| Prep Type<br>Total/NA | Analysis | _ Method<br>300.0 | Run  | Factor | Amount<br>10 mL | Amount<br>10 mL | Number<br>1009765 | or Analyzed<br>12/01/24 14:17 | Analyst<br>OXG | EET EDI |
|                       | ,        | it ID: IC 2       |      |        | TO THE          | TO IIIE         | 1009700           | 12/01/24 14.17                | 0/0            |         |

#### Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

#### Analyst References:

Lab: EET EDI

Batch Type: Analysis OXG = Olivia Guerrero

**Eurofins Pittsburgh** 

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Matrix: Water

# **Client Sample Results**

Job ID: 180-183252-1

| Client: Chesapeake Energy Corporation |
|---------------------------------------|
| Project/Site: CHK State M             |

Lab Sample ID: 180-183252-1

## **Client Sample ID: MW-4** Date Collected: 11/21/24 11:15 Date Received: 11/22/24 09:30

| Analyte   | Result                     | Qualifier | RL   | MDL | Unit | D   | Prepared | Analyzed                          | Dil Fac     |
|---|----------------------------|-----------|------|-----|------|-----|----------|-----------------------------------|-------------|
| Chloride  | 345                        |           | 5.00 |     | mg/L |     |          | 12/01/24 13:47                    | 5           |
| Client Sample ID: DUP   |                            |           |      |     |      | Lal | o Sample | D: 180-183                        | 3252-2      |
| Date Collected: 11/21/24 11:15  |                            |           |      |     |      |     |          | Matrix                            | : Water     |
| Date Received: 11/22/24 09:30   |                            |           |      |     |      |     |          |                                   |             |
| Method: EPA 300.0 - Anions, lo  |                            | Qualifier | RL   | MDL | Unit | D   | Drenered | Analyzad                          | Dil Fac     |
| Analyte   | Result                     | Quaimer   |      |     | Unit | U   | Prepared | Analyzed                          | DIFAC       |
| Chloride  | 346                        |           | 5.00 |     | mg/L |     | Prepared | <u>Analyzed</u><br>12/01/24 14:02 | 5           |
| Chloride  | 346                        |           |      |     |      |     | •        |                                   | 5           |
| Chloride<br>Client Sample ID: EQUIPM  | 346                        |           |      |     |      |     | •        | 12/01/24 14:02                    | 5           |
| Chloride<br>Client Sample ID: EQUIPME<br>Date Collected: 11/21/24 09:25                                 | 346                        |           |      |     |      |     | •        | 12/01/24 14:02                    | 5<br>3252-3 |
| Chloride<br>Client Sample ID: EQUIPM<br>Date Collected: 11/21/24 09:25<br>Date Received: 11/22/24 09:30 | <sup>346</sup><br>ENT BLA  | NK        |      |     |      |     | •        | 12/01/24 14:02                    | 5<br>3252-3 |
|   | 346<br>ENT BLA<br>n Chroma | NK        |      | MDL | mg/L |     | •        | 12/01/24 14:02                    | 5<br>3252-3 |

## **QC Sample Results**

Client: Chesapeake Energy Corporation Project/Site: CHK State M Job ID: 180-183252-1

10

# **Page 209 of 250**

#### Method: 300.0 - Anions, Ion Chromatography Lab Sample ID: MB 460-1009765/3 **Client Sample ID: Method Blank Matrix: Water** Prep Type: Total/NA Analysis Batch: 1009765 MB MB Analyte **Result Qualifier** RL MDL Unit D Analyzed Dil Fac Prepared Chloride 1.00 12/01/24 08:12 ND mg/L 1 Lab Sample ID: LCS 460-1009765/5 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA Analysis Batch: 1009765 Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Chloride 3.20 3.011 90 - 110 mg/L 94 Lab Sample ID: LCSD 460-1009765/6 **Client Sample ID: Lab Control Sample Dup Matrix: Water** Prep Type: Total/NA Analysis Batch: 1009765 Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Limits RPD Limit Unit D %Rec Chloride 3.20 3.009 mg/L 94 90 - 110 0 15

# **QC Association Summary**

Client: Chesapeake Energy Corporation Project/Site: CHK State M

## HPLC/IC

#### Analysis Batch: 1009765

| Lab Sample ID<br>180-183252-1 | Client Sample ID MW-4  | Prep Type<br>Total/NA | Matrix<br>Water | Method 300.0 | Prep Batch |
|-------------------------------|------------------------|-----------------------|-----------------|--------------|------------|
| 180-183252-2                  | DUP                    | Total/NA              | Water           | 300.0        |            |
| 180-183252-3                  | EQUIPMENT BLANK        | Total/NA              | Water           | 300.0        |            |
| MB 460-1009765/3              | Method Blank           | Total/NA              | Water           | 300.0        |            |
| LCS 460-1009765/5             | Lab Control Sample     | Total/NA              | Water           | 300.0        |            |
| LCSD 460-1009765/6            | Lab Control Sample Dup | Total/NA              | Water           | 300.0        |            |

Job ID: 180-183252-1

| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9                          | 10<br>11<br>CHAIN OF CUSTODY RECORD        | RECORD   | No. 2801   |
|---|--|--|------------|
|   | PROJECT NUMBER:                            | PROJECT NAME:<br>CHXSTATE M                    | coc l of l |
|   | (918) 921-5331 SHIPPED TO: ビントシック          | PROJECT MANAGER:<br>MATT MULAVZRJ              | TAT:       |
| SAMPLER'S PRINTED NAME:                                       | ĸ  | #0d  | WO#        |
| SAMPLERS SIGNATURE:   |  |  |            |
| Date Time Sample ID   | Samp<br># of Samp<br><u>C'HLOR</u><br>TEMP |  | REMARKS    |
| 1-21-24 11/15 MW-4  | when 1 x x                                 |  |            |
|   | · when I x x                               |  |            |
| <u> </u>  | water 1 x x                                |  |            |
| trib blenk  | water 2 × ×                                |  |            |
|   |  |  |            |
|   |  |  |            |
|   |  |  |            |
|   |  |  |            |
|   |  |  |            |
|   |  |  |            |
|   |  |  |            |
|   |  | 180-183252 Chain of Custody                    |            |
|   |  |  |            |
|   |  |  |            |
|   |  |  |            |
| TOTAL NUMBER OF CONTAINERS                                    |  |  |            |
|   | TIME 18:32 RECEIVED BT:                    | The March Inne 0930                            |            |
| relinquished by   | DATE RECEIVED BY:                          | DATE   |            |
| NETHOD OF SHIPMENT  | AIRBILL NUMBER:                            | 290 PHPS 150H                                  |            |
| ECEIVED IN LABORATORY BY:                                     | DATE Send PDF, EDD, 7                      | Send PDF, EDD, and INVOICE (if applicable) to: |            |
| ABORATORY CONTACT:  | 곡  | •  |            |
| KEN 615-21-5035   | W LLL                                      | NEW DULHAM RD. EDISON, NJ 08817                | 210        |
| White: Receiving Lab Yellow: Equus Environmental Project File | Pink: Equus QA/QC                          |  |            |

#### Received by OCD: 6/4/2025 10:09:49 AM

~

12/4/2024

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| <b>Eurofins Pittsburgh</b><br>301 Alpha Drive RIDC Park<br>Pittsburgh, PA 15238<br>Phone: 412-963-7058 Fax 412-963-2468   |                                  | Chain o                            | f Cust                         | in of Custody Record  | cord                      |   |                   |             |  |                    | <i>.</i> %          | 🕉 eurofins  | Lr connen <sup>T</sup> es  |
|---|----------------------------------|------------------------------------|--------------------------------|---|---------------------------|---|-------------------|-------------|--|--------------------|---------------------|---|----------------------------|
| Client Information (Sub Contract Lab)   | Sampier<br>N/A                   |                                    |                                | Lab PM:<br>Hayes, Ken   | (en                       |   |                   |             | Carrier Tracking No(s):<br>N/A         | ing No(s):         | CO<br>18(           | COC No:<br>180-528781 1   |                            |
| Client Contact<br>Shipping/Receiving  | Phone:<br>N/A                    |                                    |                                | E-Mail:<br>Ken.Hayes@et.eurofinsus.com                                      | /es@et.ei                 | urofinsus.  | com               |             | State of Origin:<br>Pennsylvania       | n:<br>Dia          | Page:<br>Page       | Page:<br>Page 1 of 1  |                            |
| Company:<br>Eurofins Environment Testing Northeast L  |                                  |                                    |                                | Acc<br>N/   | reditations               | Required (S   | ee note):         |             |  |                    | Job #.<br>180-1     | #.<br>D-183252-1  |                            |
| Address:<br>777 New Durtham Road,   | Due Date Requested:<br>12/9/2024 | *                                  |                                |   |                           |   | Analys            | sis Req     | Analysis Requested                     |                    | Pre                 | Preservation Codes:   | :\$6                       |
| City:<br>Edison<br>State. Zio:  | TAT Requested (days):            | rs):<br>N/A                        |                                |   |                           |   |                   |             |  |                    |                     |   |                            |
| NJ, 08817   |                                  |                                    |                                |   |                           |   |                   |             |  |                    | <u> </u>            |   |                            |
| Phone:<br>732-549-3900(Tei) 732-549-3679(Fax)   | Po#;<br>N/A                      |                                    |                                | (0  |                           |   |                   |             |  |                    |                     |   |                            |
|   | WO#:<br>N/A                      |                                    |                                | 9 OL N  |                           |   |                   | •           |  |                    | S.                  |   |                            |
|   | Project #;<br>18028372           |                                    |                                | sөд) өү   |                           |   |                   |             |  |                    | enisin              |   |                            |
| Site:<br>N/A  | SSOW#:                           |                                    |                                | dures   |                           |   |                   |             |  |                    |                     | er  |                            |
|   |                                  |                                    | Sample<br>Type<br>(C=comp,     | Matrix<br>(www.tw.,<br>Smonth,<br>Owwerkold,<br>Owwerkold,<br>Beld Fillered | м/SM лпопе<br>00_086FM_28 |   |                   |             |  |                    | redmu <b>N</b> Isto | in the second |                            |
| cample regimileaton - vicit in (Lab ID)   |                                  |                                    | - 0                            |   | -                         |   |                   | -           |  |                    |                     |   |                            |
| MW-4 (180-183252-1)   | 11/21/24                         | 11 15<br>Fastern                   | υ                              | Water   | ×                         |   |                   |             |  |                    |                     |   |                            |
| DUP (180-183252-2)  | 11/21/24                         | 11-05<br>Fastern                   | υ                              | Water   | ×                         |   |                   |             |  |                    | - <b>.</b>          |   |                            |
| EQUIPMENT BLANK (180-183252-3)  | 11/21/24                         | 09:25<br>Fastern                   | υ                              | Water   | ×                         |   |                   |             |  |                    | ~                   |   |                            |
|   |                                  |                                    |                                |   |                           |   |                   |             |  |                    |                     |   |                            |
|   |                                  |                                    |                                |   |                           |   |                   |             |  |                    |                     |   |                            |
|   |                                  |                                    |                                |   |                           |   |                   |             |  |                    |                     |   |                            |
|   |                                  |                                    |                                |   |                           |   |                   |             |  |                    |                     |   |                            |
|   |                                  |                                    |                                |   |                           |   | _                 |             |  |                    |                     |   |                            |
| NNIN' Since ishorehove accreditations are striked to chance. Fitmfine Diffshinch is   | isree the runarchin of           | method analyd                      | a & accreditat                 |   |                           | antract labo  |                   | ie camule   | shinmont is f                          |                    | chain-office seture | v lif the lahorator   | v does not currently       |
| maintin acceletation in the State of Origin Issue analysis/less/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to acceditation status should be brought to Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to acceditation status should be brought to Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to acceditation status should be brought to Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to acceditation status should be brought to Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to acceditation status should be brought to Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to acceditation status should be brought to Eurofins Pittsburgh. | being analyzed, the sar          | mples must be<br>tody attesting to | shipped back t<br>said complia | o the Eurofins Pitt   | sburgh labor<br>sburgh.   | atory or oth  | er instructio     | ns will be  | srovided. Any                          | changes to ac      | creditation statu   | s should be broug   | int to Eurofins Pittsburgh |
| Possible Hazard Identification  |                                  |                                    |                                |   | Sample                    | Disposal  | (A fee n          | Tay be a    | ssessed il                             | samples a          | re retained I       | Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)                            | month)                     |
| Unconfirmed<br>Deliverable Requested: 1 II III, IV Other (specify)  | Primary Deliverable Rank: 2      | ble Rank: 2                        |                                |   | Special II                | Return To Client Dist     Special Instructions/QC Requirements: | fient<br>s/QC Rei |             | <sup>J</sup> Disposal By Lab<br>ients: | Lab                | Archive For         | For   | Months                     |
| Empty Kit Relinquished by   |                                  | Date:                              |                                | Time:   | le:                       |   |                   |             | Method                                 | Method of Shipment | P P AO              | 9   |                            |
| Reinquished by: AMM   | Date/Time:<br>//~7.5.21          | -                                  | 1001                           | Company   | Receiv                    | Received by   |                   |             |  | DateTime:          | 1-                  |   | Company                    |
| Relinquished by:  |                                  | •                                  | -                              | Company   | Received by               | ad by:  |                   |             |  | Date/Time:         |                     |   | Company                    |
| Relinquished by:  | Date/Time:                       |                                    |                                | Company   | Receiv                    | Received by:  |                   |             |  | Date/Time:         |                     |   | Company                    |
| Custody Seals Intact: Custody Seal No.<br>Δ Yes Δ No  |                                  |                                    |                                |   | Cooler                    | Cooler Temperature(s) °C and Other Remarks                      | re(s) °C and      | I Other Rei | narks:                                 |                    |                     |   |                            |
| 2 2 2 - 2 1   |                                  | d                                  |                                |   | -                         |   |                   |             |  |                    |                     |   | Ver: 10/10/2024            |
| n   | -                                | 7                                  |                                |   |                           | 13  | 12                |             | 9                                      | 8                  | 6<br>7              | 5   | 2 3                        |

Released to Imaging: 6/17/2025 9:46:51 AM

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Job Number: 180-183252-1

List Source: Eurofins Pittsburgh

### Login Sample Receipt Checklist

Client: Chesapeake Energy Corporation

#### Login Number: 183252 List Number: 1 Creator: Abernathy, Eric L

| Question  | Answer | Comment |
|---|--------|---------|
| Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td> | N/A    |         |
| The cooler's custody seal, if present, is intact.   | True   |         |
| Sample custody seals, if present, are intact.   | True   |         |
| The cooler or samples do not appear to have been compromised or tampered with.                            | True   |         |
| Samples were received on ice.   | True   |         |
| Cooler Temperature is acceptable.   | True   |         |
| Cooler Temperature is recorded.   | True   |         |
| COC is present.   | True   |         |
| COC is filled out in ink and legible.   | True   |         |
| COC is filled out with all pertinent information.   | True   |         |
| Is the Field Sampler's name present on COC?   | True   |         |
| There are no discrepancies between the containers received and the COC.                                   | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)                             | True   |         |
| Sample containers have legible labels.  | True   |         |
| Containers are not broken or leaking.   | True   |         |
| Sample collection date/times are provided.  | True   |         |
| Appropriate sample containers are used.   | True   |         |
| Sample bottles are completely filled.   | True   |         |
| Sample Preservation Verified.   | True   |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs                          | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").                           | True   |         |
| Multiphasic samples are not present.  | True   |         |
| Samples do not require splitting or compositing.  | True   |         |
| Residual Chlorine Checked.  | N/A    |         |

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Job Number: 180-183252-1

List Source: Eurofins Edison

List Creation: 11/26/24 12:43 PM

## Login Sample Receipt Checklist

Client: Chesapeake Energy Corporation

Login Number: 183252 List Number: 2

| Creator: Armbruster, Chris  |        |                        |
|---|--------|------------------------|
| Question  | Answer | Comment                |
| Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td> | N/A    |                        |
| The cooler's custody seal, if present, is intact.   | N/A    |                        |
| Sample custody seals, if present, are intact.   | N/A    |                        |
| The cooler or samples do not appear to have been compromised or tampered with.                            | True   |                        |
| Samples were received on ice.   | True   |                        |
| Cooler Temperature is acceptable.   | True   |                        |
| Cooler Temperature is recorded.   | True   | 2.5/2.7, 2.1/2.3°C IR9 |
| COC is present.   | True   |                        |
| COC is filled out in ink and legible.   | True   |                        |
| COC is filled out with all pertinent information.   | True   |                        |
| Is the Field Sampler's name present on COC?   | True   |                        |
| There are no discrepancies between the containers received and the COC.                                   | True   |                        |
| Samples are received within Holding Time (excluding tests with immediate HTs)                             | True   |                        |
| Sample containers have legible labels.  | True   |                        |
| Containers are not broken or leaking.   | True   |                        |
| Sample collection date/times are provided.  | True   |                        |
| Appropriate sample containers are used.   | True   |                        |
| Sample bottles are completely filled.   | True   |                        |
| Sample Preservation Verified.   | True   |                        |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs                          | True   |                        |
| Containers requiring zero headspace have no headspace or bubble is  | True   |                        |

True

True

N/A

<6mm (1/4").

Multiphasic samples are not present.

Residual Chlorine Checked.

Samples do not require splitting or compositing.

Received by OCD: 6/4/2025 10:09:49 AM



**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

Attn: Dana Drury Chesapeake Energy Corporation PO BOX 548806 Oklahoma City, Oklahoma 73154 Generated 4/4/2025 9:02:30 AM

**JOB DESCRIPTION** 

Equus - Chesapeake

# **JOB NUMBER**

180-188088-1

Eurofins Pittsburgh 301 Alpha Drive RIDC Park Pittsburgh PA 15238

See page two for job notes and contact information


## **Eurofins Pittsburgh**

**Job Notes** 

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

**Authorization** 

Kunth Hay

Generated 4/4/2025 9:02:30 AM

Authorized for release by Ken Hayes, Project Manager II Ken.Hayes@et.eurofinsus.com (615)301-5035

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## **Case Narrative**

Client: Chesapeake Energy Corporation Project: Equus - Chesapeake

## Job ID: 180-188088-1

#### Job ID: 180-188088-1

#### **Eurofins Pittsburgh**

#### Job Narrative 180-188088-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
  situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
  specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 3/21/2025 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.7°C.

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## **Definitions/Glossary**

Client: Chesapeake Energy Corporation Project/Site: Equus - Chesapeake

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Job ID: 180-188088-1

| Glossary       |   |          |
|----------------|---|----------|
| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |          |
| ☆              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  | <br>4    |
| %R             | Percent Recovery  | -        |
| CFL            | Contains Free Liquid  | E        |
| CFU            | Colony Forming Unit   | 5        |
| CNF            | Contains No Free Liquid   |          |
| DER            | Duplicate Error Ratio (normalized absolute difference)  |          |
| Dil Fac        | Dilution Factor   |          |
| DL             | Detection Limit (DoD/DOE)   |          |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |          |
| DLC            | Decision Level Concentration (Radiochemistry)   | 8        |
| EDL            | Estimated Detection Limit (Dioxin)  |          |
| LOD            | Limit of Detection (DoD/DOE)  | 9        |
| LOQ            | Limit of Quantitation (DoD/DOE)   |          |
| MCL            | EPA recommended "Maximum Contaminant Level"   |          |
| MDA            | Minimum Detectable Activity (Radiochemistry)  |          |
| MDC            | Minimum Detectable Concentration (Radiochemistry)   |          |
| MDL            | Method Detection Limit  |          |
| ML             | Minimum Level (Dioxin)  | 12<br>13 |
| MPN            | Most Probable Number  |          |
| MQL            | Method Quantitation Limit   | 12       |
| NC             | Not Calculated  |          |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)  |          |
| NEG            | Negative / Absent   |          |
| POS            | Positive / Present  |          |
| PQL            | Practical Quantitation Limit  |          |
| PRES           | Presumptive   |          |
| QC             | Quality Control   |          |
| RER            | Relative Error Ratio (Radiochemistry)   |          |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)   |          |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |          |
| TEF            | Toxicity Equivalent Factor (Dioxin)   |          |
|                |   |          |

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Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count

TEQ TNTC

## **Accreditation/Certification Summary**

Client: Chesapeake Energy Corporation Project/Site: Equus - Chesapeake

### Job ID: 180-188088-1

Laboratory: Eurofins Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority                         | Program             | Identification Number | Expiration Date |  |
|-----------------------------------|---------------------|-----------------------|-----------------|--|
| Connecticut                       | State               | PH-0818               | 09-30-26        |  |
| DE Haz. Subst. Cleanup Act (HSCA) | State               | N/A                   | 01-03-26        |  |
| Georgia                           | State               | 12028 (NJ)            | 07-01-25        |  |
| Massachusetts                     | State               | M-NJ312               | 07-01-25        |  |
| New Jersey                        | NELAP               | 12028                 | 06-30-25        |  |
| New York                          | NELAP               | 11452                 | 04-02-26        |  |
| Pennsylvania                      | NELAP               | 68-00522              | 02-27-26        |  |
| Rhode Island                      | State               | LAO00376              | 12-23-25        |  |
| USDA                              | US Federal Programs | 525-24-149-77606      | 05-21-27        |  |

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## **Sample Summary**

Client: Chesapeake Energy Corporation Project/Site: Equus - Chesapeake

Job ID: 180-188088-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 180-188088-1  | MW-4             | Water  | 03/20/25 11:35 | 03/21/25 09:15 |
| 180-188088-2  | DUP              | Water  | 03/20/25 11:40 | 03/21/25 09:15 |
| 180-188088-3  | EQUIPMENT BLANK  | Water  | 03/20/25 09:30 | 03/21/25 09:15 |

## **Method Summary**

#### Client: Chesapeake Energy Corporation Project/Site: Equus - Chesapeake

Job ID: 180-188088-1

| Method     | Method Description   | Protocol | Laboratory |
|------------|--|----------|------------|
| 300.0      | Anions, Ion Chromatography   | EPA      | EET EDI    |
| Protocol F | References:  |          |            |
| EPA =      | JS Environmental Protection Agency   |          |            |
| Laborator  | y References:  |          |            |
| EET EI     | DI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900 |          |            |
|            |  |          |            |
|            |  |          |            |
|            |  |          |            |
|            |  |          |            |
|            |  |          |            |
|            |  |          |            |
|            |  |          |            |
|            |  |          |            |
|            |  |          |            |

#### Laboratory References:

**Eurofins Pittsburgh** 

Client: Chesapeake Energy Corporation

### Lab Chronicle

Job ID: 180-188088-1

**Matrix: Water** 

5 6

## Lab Sample ID: 180-188088-1

Project/Site: Equus - Chesapeake Client Sample ID: MW-4 Date Collected: 03/20/25 11:35

|                               | Batch                  | Batch         |       | Dil           | Initial           | Final           | Batch           | Prepared             |         |                |
|-------------------------------|------------------------|---------------|-------|---------------|-------------------|-----------------|-----------------|----------------------|---------|----------------|
| Prep Type                     | Туре                   | Method        | Run   | Factor        | Amount            | Amount          | Number          | or Analyzed          | Analyst | Lab            |
| Total/NA                      | Analysis               | 300.0         |       | 10            | 10 mL             | 10 mL           | 1028138         | 03/27/25 17:40       | OXG     | EET EDI        |
|                               | Instrumer              | nt ID: IC 2   |       |               |                   |                 |                 |                      |         |                |
| <b>Client Sam</b>             | ple ID: DUI            | Р             |       |               |                   |                 | La              | b Sample II          | D: 180- | 188088-        |
| Date Collecte                 | -                      |               |       |               |                   |                 |                 |                      | Ма      | trix: Wat      |
| Date Receive                  | d: 03/21/25 0          | 9:15          |       |               |                   |                 |                 |                      |         |                |
| _                             | Datak                  | Detak         |       | Dil           | lu iti a l        | Final           | Datah           | Duewowed             |         |                |
|                               | Batch                  | Batch         | _     | Dil           | Initial           | Final           | Batch           | Prepared             |         |                |
| Prep Type                     | Туре                   | Method        | Run   | Factor        | Amount            | Amount          | Number          | or Analyzed          | Analyst | Lab            |
| Total/NA                      | Analysis               | 300.0         |       | 10            | 10 mL             | 10 mL           | 1028138         | 03/27/25 17:55       | OXG     | EET EDI        |
|                               | Instrumer              | nt ID: IC 2   |       |               |                   |                 |                 |                      |         |                |
|                               | ple ID: EQI            |               | BLANK |               |                   |                 | La              | b Sample II          | D: 180- | 188088-        |
| Client Sam                    |                        |               |       |               |                   |                 |                 |                      |         | trix: Wate     |
|                               | d· 03/20/25 0          | 9.30          |       |               |                   |                 |                 |                      |         |                |
| Date Collecte                 |                        |               |       |               |                   |                 |                 |                      |         |                |
| Date Collecte                 |                        |               |       |               |                   |                 |                 |                      |         |                |
| Date Collecte                 |                        |               |       | Dil           | Initial           | Final           | Batch           | Prepared             |         |                |
| Date Collecte                 | d: 03/21/25 0          | 9:15          | Run   | Dil<br>Factor | Initial<br>Amount | Final<br>Amount | Batch<br>Number | Prepared or Analyzed | Analyst | Lab            |
| Date Collecte<br>Date Receive | d: 03/21/25 0<br>Batch | 9:15<br>Batch | Run   |               |                   |                 |                 | •                    | Analyst | Lab<br>EET EDI |

#### Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

#### Analyst References:

Lab: EET EDI

Batch Type: Analysis OXG = Olivia Guerrero

Eurofins Pittsburgh

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Matrix: Water

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## **Client Sample Results**

Job ID: 180-188088-1

Lab Sample ID: 180-188088-1

Client: Chesapeake Energy Corporation Project/Site: Equus - Chesapeake

#### Client Sample ID: MW-4 Date Collected: 03/20/25 11:35 Date Received: 03/21/25 09:15

| Analyte                              | Result Qualifier | RL   | MDL | Unit | D   | Prepared | Analyzed       | Dil Fac |
|--------------------------------------|------------------|------|-----|------|-----|----------|----------------|---------|
| Chloride                             | 290              | 10.0 |     | mg/L |     |          | 03/27/25 17:40 | 10      |
| Client Sample ID: DUP                |                  |      |     |      | Lal | b Sample | ID: 180-188    | 3088-2  |
| Date Collected: 03/20/25 11:40       |                  |      |     |      |     | -        | Matrix         | : Water |
| Date Received: 03/21/25 09:15        |                  |      |     |      |     |          |                |         |
| _<br>Method: EPA 300.0 - Anions, Ior | n Chromatography |      |     |      |     |          |                |         |
| Analyte                              | Result Qualifier | RL   | MDL | Unit | D   | Prepared | Analyzed       | Dil Fac |
| Chloride                             | 286              | 10.0 |     | mg/L |     |          | 03/27/25 17:55 | 10      |
| Client Sample ID: EQUIPME            | INT BLANK        |      |     |      | Lal | b Sample | ID: 180-188    | 3088-3  |
| Date Collected: 03/20/25 09:30       |                  |      |     |      |     | -        | Matrix         | : Water |
| Date Received: 03/21/25 09:15        |                  |      |     |      |     |          |                |         |
| _<br>Method: EPA 300.0 - Anions, Ior | n Chromatography |      |     |      |     |          |                |         |
| Analyte                              | Result Qualifier | RL   | MDL | Unit | D   | Prepared | Analyzed       | Dil Fac |
|                                      |                  |      |     |      |     |          |                |         |

## QC Sample Results

**Client: Chesapeake Energy Corporation** Project/Site: Equus - Chesapeake

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Job ID: 180-188088-1

Method: 300.0 - Anions, Ion Chromatography Lab Sample ID: MB 460-1028138/15 **Client Sample ID: Method Blank** Matrix: Water Prep Type: Total/NA Analysis Batch: 1028138 MB MB Analyte **Result Qualifier** RL MDL Unit Analyzed Dil Fac D Prepared 1.00 03/27/25 12:39 Chloride ND mg/L 1 Lab Sample ID: LCS 460-1028138/17 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA Analysis Batch: 1028138 Spike LCS LCS %Rec Analyte Added **Result Qualifier** Unit D %Rec Limits Chloride 3.20 2.902 90 - 110 mg/L 91 Lab Sample ID: LCSD 460-1028138/18 Client Sample ID: Lab Control Sample Dup **Matrix: Water** Prep Type: Total/NA Analysis Batch: 1028138 Spike LCSD LCSD %Rec RPD Added Result Qualifier Limits RPD Limit Analyte Unit D %Rec Chloride 3.20 2.895 90 90 - 110 15 mg/L 0 Lab Sample ID: MB 460-1029480/3 **Client Sample ID: Method Blank Matrix: Water Prep Type: Total/NA** Analysis Batch: 1029480 MB MB Analyte **Result Qualifier** RL MDL Unit D Prepared Analyzed Dil Fac Chloride ND 1.00 04/03/25 10:50 mg/L Lab Sample ID: LCS 460-1029480/5 **Client Sample ID: Lab Control Sample** Matrix: Water Prep Type: Total/NA Analysis Batch: 1029480 LCS LCS Spike %Rec Analyte Added **Result Qualifier** Limits Unit D %Rec Chloride 3.20 3.216 101 90 - 110 mg/L Lab Sample ID: LCSD 460-1029480/6 Client Sample ID: Lab Control Sample Dup Matrix: Water Prep Type: Total/NA Analysis Batch: 1029480 RPD Spike LCSD LCSD %Rec Analyte Added **Result Qualifier** Limits RPD Limit Unit D %Rec 3.20 3.225

mg/L

101

90 - 110

Eurofins Pittsburgh

0

15

10

Released to Imaging: 6/17/2025 9:46:51 AM

Chloride

## **QC Association Summary**

Client: Chesapeake Energy Corporation Project/Site: Equus - Chesapeake

## HPLC/IC

### Analysis Batch: 1028138

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |   |
|----------------------|------------------------|-----------|--------|--------|------------|---|
| Analysis Batch: 1029 | 480                    |           |        |        |            |   |
| LCSD 460-1028138/18  | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |   |
| LCS 460-1028138/17   | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |   |
| MB 460-1028138/15    | Method Blank           | Total/NA  | Water  | 300.0  |            |   |
| 180-188088-2         | DUP                    | Total/NA  | Water  | 300.0  |            | k |
| 180-188088-1         | MW-4                   | Total/NA  | Water  | 300.0  |            |   |
| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |   |
| _ *                  |                        |           |        |        |            |   |

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method |
|--------------------|------------------------|-----------|--------|--------|
| 180-188088-3       | EQUIPMENT BLANK        | Total/NA  | Water  | 300.0  |
| MB 460-1029480/3   | Method Blank           | Total/NA  | Water  | 300.0  |
| LCS 460-1029480/5  | Lab Control Sample     | Total/NA  | Water  | 300.0  |
| LCSD 460-1029480/6 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |

5 6

11 12 13

Eurofins Pittsburgh

|                                   |            |   |                             | CHAIN           | CHAIN OF CUSTODY RECORD | RECORD                       | No. 2830                    |   |
|-----------------------------------|------------|---|-----------------------------|-----------------|-------------------------|------------------------------|-----------------------------|---|
|                                   |            |   | PROJECT NUMBER:<br>CHKSTATM |                 | ž                       | PROJECT NAME:<br>CHK STATE M | coc / ot /                  |   |
|                                   |            |   | SHIPPED T                   | ö               | FTN SOAL                | PROJECT MANAGER:             | TAT:                        |   |
|                                   |            | (918) 921-5331                                  |                             | <u> </u>        |                         | MUALC MUNICAVENO             |                             |   |
|                                   |            | Eric Former                                     | x                           |                 |                         |                              |                             | 9 |
| SAMPLERS SIGNATURE:               | SNATURE:   | CODI  | e Matri                     |                 | 30 L                    |                              | (                           |   |
| Date                              | Time       | Sample ID                                       | lqms2                       | lqms2 to #      | JWZL<br>201103          |                              | REMARKS                     |   |
| 3-20-20-5                         | 11.35      | MU-CH   | water                       | 2               | X                       |                              |                             |   |
| 5202-02-5                         | 01-5:11    | Dep   | water                       | 2               | ×                       |                              |                             |   |
| 3-20-2025                         | 9:30       | nent Blank                                      | wher                        | 1 2             | ××                      |                              |                             |   |
|                                   |            |   | water                       | 2               | X                       |                              |                             |   |
|                                   |            | -   |                             |                 |                         |                              |                             |   |
|                                   |            |   |                             |                 |                         |                              |                             |   |
|                                   |            |   |                             |                 |                         | V                            |                             |   |
|                                   |            |   |                             |                 |                         |                              |                             |   |
|                                   |            |   |                             | $ \rightarrow $ |                         |                              |                             |   |
|                                   |            |   |                             |                 |                         |                              |                             |   |
|                                   |            |   |                             |                 |                         |                              |                             |   |
|                                   |            |   |                             |                 |                         | 180088 C                     | 180-188088 Chain of Custody |   |
|                                   |            |   |                             |                 |                         |                              |                             |   |
|                                   |            |   |                             |                 |                         |                              |                             |   |
|                                   |            |   |                             |                 |                         |                              | ,                           |   |
| TOTAL NUMBER OF CONTAINERS        | R OF CONT. |   | •                           | 4               |                         |                              |                             | - |
| RELINQUISHED BY:                  | ) BY:      |   | DATE J20-201                | 200             | RECEIVED BY:            | <u>87]</u> ≢_                | PX [5]   25                 |   |
| RELINQUISHED BY:                  | ) BY:      |   | DATE<br>TIME                |                 | ŘECEIVED BY:            |                              | DATE                        |   |
| METHOD OF SHIPMENT:               | HIPMENT:   |   |                             | ₹               | <b>AIRBILL NUMBER:</b>  | 2: UZCA CD72 7/20            | 00                          |   |
| に))<br>RECEIVED IN LABORATORY BY: | ABORATOR   | X   | DATE                        | <u>, v</u>      | and PDF, EDD, a         | 2<br>E                       | 10                          |   |
|                                   | CONTACT.   |   |                             |                 |                         |                              |                             |   |
| KEN &                             | 6/5-3      | 301-5035  |                             | <u>ב</u>        | 777 NEW                 | W DUCHAM RD EDISON, NJ       | 11 0880 LI                  |   |
| White Receiving Lab               |            | Yellow Equus Environmental Project File Pink Ec | Pink Equus QA/QC            |                 |                         |                              |                             |   |

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Released to Imaging: 6/17/2025 9:46:51 AM

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#### Received by OCD: 6/4/2025 10:09:49 AM

#### Page 229 of 250



Released to Imaging: 6/17/2025 9:46:51 AM

4/4/2025

## Login Sample Receipt Checklist

Client: Chesapeake Energy Corporation

#### Login Number: 188088 List Number: 1 Creator: Abernathy, Eric L

| Question  | Answer Comment |    |
|---|----------------|----|
| Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td> | N/A            |    |
| The cooler's custody seal, if present, is intact.   | True           |    |
| Sample custody seals, if present, are intact.   | True           | 8  |
| The cooler or samples do not appear to have been compromised or tampered with.                            | True           | 9  |
| Samples were received on ice.   | True           |    |
| Cooler Temperature is acceptable.   | True           |    |
| Cooler Temperature is recorded.   | True           |    |
| COC is present.   | True           |    |
| COC is filled out in ink and legible.   | True           |    |
| COC is filled out with all pertinent information.   | True           |    |
| Is the Field Sampler's name present on COC?   | True           | 13 |
| There are no discrepancies between the containers received and the COC.                                   | True           |    |
| Samples are received within Holding Time (excluding tests with immediate HTs)                             | True           |    |
| Sample containers have legible labels.  | True           |    |
| Containers are not broken or leaking.   | True           |    |
| Sample collection date/times are provided.  | True           |    |
| Appropriate sample containers are used.   | True           |    |
| Sample bottles are completely filled.   | True           |    |
| Sample Preservation Verified.   | True           |    |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs                          | True           |    |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").                           | True           |    |
| Multiphasic samples are not present.  | True           |    |
| Samples do not require splitting or compositing.  | True           |    |
| Residual Chlorine Checked.  | N/A            |    |

Job Number: 180-188088-1

List Source: Eurofins Pittsburgh

Job Number: 180-188088-1

List Source: Eurofins Edison

## Login Sample Receipt Checklist

Client: Chesapeake Energy Corporation

Login Number: 188088 List Number: 2 Creator: Armbruster, Chris

| List Number: 2  |        |               | List Source: Euronn's Edison<br>List Creation: 03/25/25 12:53 PM | 5  |
|---|--------|---------------|--|----|
| Creator: Armbruster, Chris<br>Question  | Answer | Comment       |  |    |
|   |        | Comment       |  |    |
| Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td> <td></td> <td></td> | N/A    |               |  |    |
| The cooler's custody seal, if present, is intact.   | N/A    |               |  |    |
| Sample custody seals, if present, are intact.   | N/A    |               |  | 8  |
| The cooler or samples do not appear to have been compromised or<br>tampered with.   | True   |               |  | 9  |
| Samples were received on ice.   | True   |               |  |    |
| Cooler Temperature is acceptable.   | True   |               |  |    |
| Cooler Temperature is recorded.   | True   | 0.8/1.2°C IR9 |  |    |
| COC is present.   | True   |               |  |    |
| COC is filled out in ink and legible.   | True   |               |  |    |
| COC is filled out with all pertinent information.   | True   |               |  |    |
| Is the Field Sampler's name present on COC?   | True   |               |  | 13 |
| There are no discrepancies between the containers received and the COC.   | True   |               |  |    |
| Samples are received within Holding Time (excluding tests with immediate HTs)   | True   |               |  |    |
| Sample containers have legible labels.  | True   |               |  |    |
| Containers are not broken or leaking.   | True   |               |  |    |
| Sample collection date/times are provided.  | True   |               |  |    |
| Appropriate sample containers are used.   | True   |               |  |    |
| Sample bottles are completely filled.   | True   |               |  |    |
| Sample Preservation Verified.   | True   |               |  |    |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs  | True   |               |  |    |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").   | True   |               |  |    |
| Multiphasic samples are not present.  | True   |               |  |    |
| Samples do not require splitting or compositing.  | True   |               |  |    |
| Residual Chlorine Checked.  | N/A    |               |  |    |
|   |        |               |  |    |

## Login Sample Receipt Checklist

Client: Chesapeake Energy Corporation

#### Login Number: 188088 List Number: 3 Creator: Casallas, Angela C

| Question  | Answer | Comment |
|---|--------|---------|
| Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td> | N/A    |         |
| The cooler's custody seal, if present, is intact.   | True   |         |
| Sample custody seals, if present, are intact.   | True   |         |
| The cooler or samples do not appear to have been compromised or tampered with.                            | True   |         |
| Samples were received on ice.   | True   |         |
| Cooler Temperature is acceptable.   | True   |         |
| Cooler Temperature is recorded.   | True   |         |
| COC is present.   | True   |         |
| COC is filled out in ink and legible.   | True   |         |
| COC is filled out with all pertinent information.   | True   |         |
| Is the Field Sampler's name present on COC?   | True   |         |
| There are no discrepancies between the containers received and the COC.                                   | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)                             | True   |         |
| Sample containers have legible labels.  | True   |         |
| Containers are not broken or leaking.   | True   |         |
| Sample collection date/times are provided.  | True   |         |
| Appropriate sample containers are used.   | True   |         |
| Sample bottles are completely filled.   | True   |         |
| Sample Preservation Verified.   | True   |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs                          | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").                           | True   |         |
| Multiphasic samples are not present.  | True   |         |
| Samples do not require splitting or compositing.  | True   |         |
| Residual Chlorine Checked.  | N/A    |         |

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List Source: Eurofins Edison

List Creation: 04/03/25 09:45 AM

Received by OCD: 6/4/2025 10:09:49 AM



**Environment Testing** 

# **ANALYTICAL REPORT**

## PREPARED FOR

Attn: Dana Drury Chesapeake Energy Corporation PO BOX 548806 Oklahoma City, Oklahoma 73154 Generated 9/16/2024 10:38:31 AM

JOB DESCRIPTION

CHK STATE M

## **JOB NUMBER**

460-310953-1

Eurofins Edison 777 New Durham Road Edison NJ 08817

See page two for job notes and contact information

## **Eurofins Edison**

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

## Authorization

Kunth May

Generated 9/16/2024 10:38:31 AM

Authorized for release by Ken Hayes, Project Manager II Ken.Hayes@et.eurofinsus.com (615)301-5035

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## **Definitions/Glossary**

Client: Chesapeake Energy Corporation Project/Site: CHK STATE M

Job ID: 460-310953-1

| Page | 23 | 7 | of |
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| 2              |   |          |
|----------------|---|----------|
| Glossary       |   | 3        |
| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 | J        |
| ¤              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  | <u> </u> |
| %R             | Percent Recovery  |          |
| CFL            | Contains Free Liquid  | 5        |
| CFU            | Colony Forming Unit   | 5        |
| CNF            | Contains No Free Liquid   |          |
| DER            | Duplicate Error Ratio (normalized absolute difference)  |          |
| Dil Fac        | Dilution Factor   |          |
| DL             | Detection Limit (DoD/DOE)   |          |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |          |
| DLC            | Decision Level Concentration (Radiochemistry)   | 8        |
| EDL            | Estimated Detection Limit (Dioxin)  |          |
| LOD            | Limit of Detection (DoD/DOE)  | 9        |
| LOQ            | Limit of Quantitation (DoD/DOE)   |          |
| MCL            | EPA recommended "Maximum Contaminant Level"   |          |
| MDA            | Minimum Detectable Activity (Radiochemistry)  |          |
| MDC            | Minimum Detectable Concentration (Radiochemistry)   |          |
| MDL            | Method Detection Limit  |          |
| ML             | Minimum Level (Dioxin)  |          |
| MPN            | Most Probable Number  |          |
| MQL            | Method Quantitation Limit   | 13       |
| NC             | Not Calculated  | 13<br>14 |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)  |          |
| NEG            | Negative / Absent   |          |
| POS            | Positive / Present  |          |
| PQL            | Practical Quantitation Limit  |          |
| PRES           | Presumptive   |          |
| QC             | Quality Control   |          |
| RER            | Relative Error Ratio (Radiochemistry)   |          |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)   |          |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |          |
| TEF            | Toxicity Equivalent Factor (Dioxin)   |          |
| TEO            | Taxiaity Equivalent Quatiant (Diavin)   |          |

- TEQ Toxicity Equivalent Quotient (Dioxin)
- TNTC Too Numerous To Count

### **Case Narrative**

Job ID: 460-310953-1

#### Client: Chesapeake Energy Corporation Project: CHK STATE M

### **Eurofins Edison**

#### Job ID: 460-310953-1

#### Job Narrative 460-310953-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 9/7/2024 11:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.8°C.

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client: Chesapeake Energy Corporation Project/Site: CHK STATE M

| Client Sample ID: MW-4    |        |           |                   |     |              | Lab Sa  | ample ID: 4   | 60-310953-1       |   |
|---------------------------|--------|-----------|-------------------|-----|--------------|---------|---|-------------------|---|
| Analyte<br>Chloride       | Result | Qualifier | <b>RL</b><br>10.0 | MDL | Unit<br>mg/L | Dil Fac | $\frac{\mathbf{D}}{2}  \frac{\mathbf{Method}}{300.0}$ | Prep Type         |   |
| Client Sample ID: DUP     |        |           |                   |     |              | Lab Sa  | ample ID: 4   | 60-310953-2       | Ę |
| Analyte                   | Result | Qualifier | RL                | MDL | Unit         | Dil Fac | D Method  | <b>Р</b> гер Туре |   |
| Chloride                  | 358    |           | 10.0              |     | mg/L         | 10      | 300.0   | Total/NA          |   |
| Client Sample ID: EQ Blan | k      |           |                   |     |              | Lab Sa  | mple ID: 4  | 60-310953-3       |   |

**Detection Summary** 

No Detections.

Job ID: 460-310953-1

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This Detection Summary does not include radiochemical test results.

### **Client Sample Results**

Job ID: 460-310953-1

| Client: Chesapeake Energy Corporation |
|---------------------------------------|
| Project/Site: CHK STATE M             |

#### **Client Sample ID: MW-4** Lab Sample ID: 460-310953-1 Date Collected: 09/06/24 10:25 **Matrix: Water** Date Received: 09/07/24 11:30 Method: EPA 300.0 - Anions, Ion Chromatography Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Chloride 361 10.0 mg/L 09/13/24 15:15 **Client Sample ID: DUP** Lab Sample ID: 460-310953-2 Date Collected: 09/06/24 00:00 **Matrix: Water** Date Received: 09/07/24 11:30 Method: EPA 300.0 - Anions, Ion Chromatography Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Chloride 358 10.0 mg/L 09/13/24 16:45

#### **Client Sample ID: EQ Blank** Date Collected: 09/06/24 07:45

| Date | conecteu.        | 05/00/24 07.45 |
|------|------------------|----------------|
| Date | <b>Received:</b> | 09/07/24 11:30 |

| Method: EPA 300.0 - Anions, Io | on Chromat | ography   |      |     |      |   |          |                |         |   |
|--------------------------------|------------|-----------|------|-----|------|---|----------|----------------|---------|---|
| Analyte                        | Result     | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |   |
| Chloride                       | ND         |           | 1.00 |     | mg/L |   |          | 09/13/24 17:00 | 1       | i |

**Eurofins Edison** 

Dil Fac 10 6 Dil Fac 10 Lab Sample ID: 460-310953-3 **Matrix: Water** 

## **QC Sample Results**

Client: Chesapeake Energy Corporation Project/Site: CHK STATE M

Method: 300.0 - Anions, Ion Chromatography

| Lab Sample ID: MB 460-995659/3<br>Matrix: Water<br>Analysis Batch: 995659   |        |           |       |      |        |      |       |         | C      | Clie | nt Sam  | ple ID: N<br>Prep Ty |         |         | į |
|---|--------|-----------|-------|------|--------|------|-------|---------|--------|------|---------|----------------------|---------|---------|---|
|   | MB     | MB        |       |      |        |      |       |         |        |      |         |                      |         |         |   |
| Analyte   | Result | Qualifier |       | RL   | I      | MDL  | Unit  |         | D      | Pr   | epared  | Analy                | /zed    | Dil Fac | 1 |
| Chloride  | ND     |           |       | 1.00 |        |      | mg/L  |         |        |      |         | 09/13/24             | 4 09:47 | 1       |   |
| Lab Sample ID: LCS 460-995659/5<br>Matrix: Water<br>Analysis Batch: 995659  |        |           |       |      |        |      |       | Cli     | ient S | San  | nple ID | : Lab Co<br>Prep Ty  |         |         |   |
|   |        |           | Spike |      | LCS    | LCS  |       |         |        |      |         | %Rec                 |         |         |   |
| Analyte   |        |           | Added |      | Result | Qual | ifier | Unit    |        | D    | %Rec    | Limits               |         |         |   |
| Chloride  |        |           | 3.20  |      | 3.060  |      |       | mg/L    |        | _    | 96      | 90 - 110             |         |         |   |
| Lab Sample ID: LCSD 460-995659/6<br>Matrix: Water<br>Analysis Batch: 995659 |        |           |       |      |        |      | C     | lient S | Samp   | ble  | ID: Lab | Control<br>Prep Ty   |         |         |   |
|   |        |           | Spike |      | LCSD   | LCSE | C     |         |        |      |         | %Rec                 |         | RPD     |   |
| Analyte   |        |           | Added |      | Result | Qual | ifier | Unit    |        | D    | %Rec    | Limits               | RPD     | Limit   |   |
| Chloride  |        |           | 3.20  |      | 3.070  |      |       | mg/L    |        | _    | 96      | 90 - 110             | 0       | 15      | 1 |

Job ID: 460-310953-1

Eurofins Edison

## **QC Association Summary**

Client: Chesapeake Energy Corporation Project/Site: CHK STATE M

HPLC/IC

#### Analysis Batch: 995659

| Lab Sample ID<br>460-310953-1 | Client Sample ID<br>MW-4 | Prep Type<br>Total/NA | Matrix<br>Water | Method 300.0 | Prep Batch |
|-------------------------------|--------------------------|-----------------------|-----------------|--------------|------------|
| 460-310953-2                  | DUP                      | Total/NA              | Water           | 300.0        |            |
| 460-310953-3                  | EQ Blank                 | Total/NA              | Water           | 300.0        |            |
| MB 460-995659/3               | Method Blank             | Total/NA              | Water           | 300.0        |            |
| LCS 460-995659/5              | Lab Control Sample       | Total/NA              | Water           | 300.0        |            |
| LCSD 460-995659/6             | Lab Control Sample Dup   | Total/NA              | Water           | 300.0        |            |

Client: Chesapeake Energy Corporation

## Lab Chronicle

Job ID: 460-310953-1

|                              |                |         |         |        |                    |     |              |                                | Project/Site: Cl |
|------------------------------|----------------|---------|---------|--------|--------------------|-----|--------------|--------------------------------|------------------|
| 60-310953-1<br>Matrix: Water | Sample ID: 4   | Lab     |         |        |                    |     |              |                                | Client Samp      |
|                              |                |         |         |        |                    |     |              |                                | Date Received    |
|                              | Prepared       |         |         | Batch  | Dilution           |     | Batch        | Batch                          | _                |
|                              | or Analyzed    | Lab     | Analyst | Number | Factor             | Run | Method       | Туре                           | Prep Type        |
|                              | 09/13/24 15:15 | EET EDI | OXG     | 995659 | 10                 |     | 300.0        | Analysis                       | Total/NA         |
| 60-310953-2                  | Sample ID: 4   | Lab     |         |        |                    |     | 2            | ole ID: DU                     | Client Samp      |
| Matrix: Water                | -              |         |         |        |                    |     | 0:00         | d: 09/06/24 0                  | Date Collected   |
|                              |                |         |         |        |                    |     | 1:30         | l: 09/07/24 1                  | Date Received    |
|                              | Prepared       |         |         | Batch  | Dilution           |     | Batch        | Batch                          | _                |
|                              | or Analyzed    | Lab     | Analyst | Number | Factor             | Run | Method       | Туре                           | Prep Type        |
|                              |                | EET EDI | OXG     | 995659 | 10                 |     | 300.0        | Analysis                       | Total/NA         |
|                              | 09/13/24 16:45 |         |         |        |                    |     |              | 2                              |                  |
| 60-310953-3                  |                |         |         |        |                    |     | Blank        | ole ID: EQ                     | Client Sam       |
| 60-310953-3<br>Matrix: Water |                |         |         |        |                    |     |              |                                | Client Samp      |
| 60-310953-3<br>Matrix: Water |                |         |         |        |                    |     | 7:45         | d: 09/06/24 0                  |                  |
|                              |                |         |         | Batch  | Dilution           |     | 7:45         | d: 09/06/24 0                  | Date Collected   |
|                              | Sample ID: 4   |         | Analyst |        | Dilution<br>Factor | Run | 7:45<br>1:30 | d: 09/06/24 0<br>l: 09/07/24 1 | Date Collected   |

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

## **Accreditation/Certification Summary**

Client: Chesapeake Energy Corporation Project/Site: CHK STATE M

#### Job ID: 460-310953-1

### Laboratory: Eurofins Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority                         | Program             | Identification Number | Expiration Date |  |
|-----------------------------------|---------------------|-----------------------|-----------------|--|
| Connecticut                       | State               | PH-0818               | 09-30-24        |  |
| DE Haz. Subst. Cleanup Act (HSCA) | State               | N/A                   | 01-02-25        |  |
| Georgia                           | State               | 12028 (NJ)            | 07-01-25        |  |
| Massachusetts                     | State               | M-NJ312               | 07-01-25        |  |
| New Jersey                        | NELAP               | 12028                 | 06-30-25        |  |
| lew York                          | NELAP               | 11452                 | 04-01-25        |  |
| Pennsylvania                      | NELAP               | 68-00522              | 02-28-25        |  |
| Rhode Island                      | State               | LAO00376              | 12-31-24        |  |
| JSDA                              | US Federal Programs | 525-24-149-77606      | 05-21-27        |  |
|                                   |                     |                       |                 |  |
|                                   |                     |                       |                 |  |
|                                   |                     |                       |                 |  |
|                                   |                     |                       |                 |  |
|                                   |                     |                       |                 |  |

Eurofins Edison

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## **Method Summary**

#### Client: Chesapeake Energy Corporation Project/Site: CHK STATE M

| lethod | Method Description         | Protocol | Laboratory |
|--------|----------------------------|----------|------------|
| 00.0   | Anions, Ion Chromatography | EPA      | EET EDI    |

#### I References:

EPA = US Environmental Protection Agency

#### Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Eurofins Edison

Lab Sample ID

460-310953-1

460-310953-2

460-310953-3

## **Sample Summary**

Collected

09/06/24 10:25 09/07/24 11:30

09/06/24 00:00 09/07/24 11:30

09/06/24 07:45 09/07/24 11:30

Received

Matrix

Water

Water

Water

Client: Chesapeake Energy Corporation Project/Site: CHK STATE M

MW-4

DUP

EQ Blank

**Client Sample ID** 

Job ID: 460-310953-1

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Released to Imaging: 6/17/2025 9:46:51 AM

|   | CHAIN OF CUS                 |  | No. 2016                   |
|---|------------------------------|--|----------------------------|
|   | PROJECT NUMBER.<br>CHIKSTATM | PROJECT NAME:  | coc / of //                |
|   | SHIPPED TO. EDIJUN           | PROJECT MANAGER:<br>MATT MULA-VERO                                 | CZANDATED                  |
| ve:<br>be /                             | almers<br>Alg                | **************************************                             | #0M                        |
| SAMPLERS SIGNATURE                      |                              | <u> </u>   | 0953                       |
| Date Time Sample ID                     | olqms2 to #                  | <u>)</u>   | REMARKS                    |
| 4/6/24 1025 MW-4                        | Weter 1 X                    | ×  |                            |
| - Due                                   | when 7 X                     | × ×  |                            |
| 745 EQ Blank                            | ash-1 X                      |  |                            |
| - Temp                                  | uet. 1                       | ×  |                            |
|   |                              |  |                            |
|   |                              |  |                            |
|   |                              |  |                            |
|   |                              |  |                            |
|   |                              |  |                            |
|   |                              |  |                            |
|   |                              | 460-310953 Chain of G  | ustody                     |
|   |                              |  |                            |
|   |                              |  |                            |
|   |                              |  |                            |
|   |                              |  |                            |
| = CONTAINERS                            | 7                            |  |                            |
|   | 2                            | 2 the matter Time 1, 4, 0  |                            |
| Deci NOVAHEN RY.                        |                              | DATE   | 06/08 22                   |
|   |                              | TIME   |                            |
| METHOD OF SHIPMENT                      |                              | AIRBILL NUMBER LEDX X 4059 5943 8600                               |                            |
| RECEIVED IN LABORATORY BY-              | DATE Send PC<br>TIME         | Send PDF EDD, and INVOICE (if applicable) to:<br>QAQC@EquusEnv.com |                            |
| LABORATORY CONTACT                      | <u>۲</u>                     | 777 NEW DURHAMRO EDISON, NJ OOBLY                                  |                            |
| Yellow Equus Environmental Project File | Pink: Equus @A/QC            |  |                            |
|   |                              | 1  |                            |
|   |                              | 7<br>8<br>9<br>1<br>2<br>3<br>4                                    | 1<br>2<br>3<br>4<br>5<br>6 |

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| <br>5.  |  | Ja                    | <b>–</b>   | <u> </u> |            |            |          |      |       |   |      |   |                         |                                   |  |   |   |
|---|--|-----------------------|--|----------|------------|------------|----------|------|-------|---|------|---|-------------------------|-----------------------------------|--|---|---|
| Lage  |  | er Other              |  |          |            |            |          |      | <br>  |   | <br> |   |                         |                                   |  |   |   |
| L   |  | Other                 |  |          |            |            |          | <br> | <br>  |   | <br> | <br>  |                         |                                   | sted.  |   |   |
|   |  | Phos                  |  |          |            |            | -        | ·    |       |   |      |   |                         |                                   | eH edjus   | alysis.   |   |
|   |  | Total<br>Cyanide      | (pH>12)  | -        |            |            |          |      | <br>- | · | -    |   |                         |                                   | ch were J  | ior to and  |   |
|   | 3 0 0 9  | TOC                   | (2>Hd)   |          |            |            |          |      |       |   |      |   |                         |                                   | nples whi  | L hours pr  |   |
|   | Cooler #7,<br>Cooler #8;<br>Cooler #9;                                     | TKN                   | (pH<2)   |          |            |            |          |      |       |   |      |   |                         |                                   | ut the sar   | at least 24   |   |
| ŋ   | <u> </u>   | Sulfide               | (6 <hq)< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Volume of Preservative used (ml).</td><td>s)<br/>The appropriate Project Manager and Department Manager should be notified about the samples which were pH adju</td><td>Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.</td><td>_</td></hq)<> |          |            |            |          |      |       |   |      |   |                         | Volume of Preservative used (ml). | s)<br>The appropriate Project Manager and Department Manager should be notified about the samples which were pH adju | Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis. | _ |
| d pH Lc   | 8  | Phenois               | (pH<2)   |          |            |            |          | <br> | <br>  |   | <br> | <br>  |                         | ervative u                        | Expirat<br>ould be no  | e must be l<br>Date:  |   |
| Eurofins LestAmerica Edison<br>Receipt Temperature and pH Log | Cooler l emperaures<br>W: <u>c c c</u><br>65 <u>c c c</u><br>66 <u>c c</u> | EPH or<br>QAM F       | (pH<2)   |          |            | $\uparrow$ |          |      |       |   |      | .MO   |                         | ne of Pres                        | nager sh   | ompliance   |   |
| empera  |  | Pest                  | (pH 5-9)   |          | $\uparrow$ |            |          |      |       |   |      | lation be   |                         | Volun                             | tment Ma   | e out of c  |   |
| sceipt T  | Cooler #4:<br>Cooler #5:<br>Cooler #6:                                     |                       | (pH<2) (f  |          |            |            |          |      |       |   | <br> | <br>If pH adjustments are required record the information below | 1                       |                                   | and Depar  | which ar  |   |
| IR 6<br>m #<br>R  |  | Metals H              | (pH<2) (1  |          |            |            |          |      |       |   |      | record ti   |                         |                                   | Aanager s  | ul analysis   |   |
| Ĕ   |  | Nitrate<br>Nitrite Me | (pH<2) (p  | _        |            |            |          |      |       |   |      | required  |                         |                                   | Project A  | s for Mets  |   |
|   |  |                       | - I-   |          |            |            |          |      |       |   |      | ients are   |                         |                                   | opropriate   | Sample.<br>Initials:  |   |
| 310953  | 0000   | nia COD               | 2) (pH<2)  | +        | _          |            | <u> </u> |      |       |   |      | adjustm   | ted.                    | <br>]<br>]                        | e(s) <sup>-</sup><br>The at  | Ē   |   |
| T M   |  | Ammonia               | (pH<2)   |          |            |            |          |      |       |   |      | ]≝<br>]   | s). adjus               | Name/Co                           | servativ   |   |   |
| - ist -   | Cooler #11<br>Cooler #11<br>Cooler #21<br>Cooler #31                       |                       | TALS Sample Number   |          |            |            |          |      |       |   |      | 1   | Sample No(s). adjusted. | Preservative Name/Conc.           | Lot # of Preservative(s) <sup>.</sup><br>7   | <u>-</u>  |   |
| Job Number <sup>.</sup><br>Number of Coolers:                 |  |                       | S Sample   |          |            |            |          |      |       |   |      |   | Sai                     | Pres                              | ۲ō   | EDS-WI-038, Rev 4.1   | D |

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## Login Sample Receipt Checklist

Client: Chesapeake Energy Corporation

#### Login Number: 310953 List Number: 1 Creator: Nelson, Rose E

| Question  | Answer | Comment |   |
|---|--------|---------|---|
| Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td> <td></td> | N/A    |         |   |
| The cooler's custody seal, if present, is intact.   | True   |         | ŝ |
| Sample custody seals, if present, are intact.   | True   |         |   |
| The cooler or samples do not appear to have been compromised or tampered with.                                      | True   |         | ĺ |
| Samples were received on ice.   | True   |         | 1 |
| Cooler Temperature is acceptable.   | True   |         |   |
| Cooler Temperature is recorded.   | True   |         |   |
| COC is present.   | True   |         |   |
| COC is filled out in ink and legible.   | True   |         |   |
| COC is filled out with all pertinent information.   | True   |         |   |
| Is the Field Sampler's name present on COC?   | True   |         |   |
| There are no discrepancies between the containers received and the COC.   | True   |         | 2 |
| Samples are received within Holding Time (excluding tests with immediate HTs)                                       | True   |         |   |
| Sample containers have legible labels.  | True   |         |   |
| Containers are not broken or leaking.   | True   |         |   |
| Sample collection date/times are provided.  | True   |         |   |
| Appropriate sample containers are used.   | True   |         |   |
| Sample bottles are completely filled.   | True   |         |   |
| Sample Preservation Verified.   | True   |         |   |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs                                    | True   |         |   |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").                                     | True   |         |   |
| Multiphasic samples are not present.  | True   |         |   |
| Samples do not require splitting or compositing.  | True   |         |   |
| Residual Chlorine Checked.  | N/A    |         |   |

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## Job Number: 460-310953-1

List Source: Eurofins Edison

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

Operator:

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

## State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

| CONDIT                     | IONS           |
|----------------------------|----------------|
| r:                         | OGRID:         |
| CHESAPEAKE OPERATING, INC. | 147179         |
| 6100 NORTH WESTERN AVE     | Action Number: |
| OKC, OK 73118              | 470659         |

Action Type:

[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

| CONDITIONS |  |                   |
|------------|--|-------------------|
| Created By | Condition  | Condition<br>Date |
| amaxwell   | Report approved. Provide a sampling notification via a C-141N, 48-hour sampling notification, prior to conducting monitoring and sampling at the next event. | 6/17/2025         |

CONDITIONS

Action 470659