



## **HARGIS + ASSOCIATES, INC.**

HYDROGEOLOGY • ENGINEERING

3131 Camino del Rio North, Suite 355  
San Diego, CA 92108  
Phone: 858.455.6500  
Fax: 858.455.6533

July 13, 2022

### VIA EMAIL AND GEOTRACKER UPLOAD

Ms. Maile Gee, P.G.  
Senior Engineering Geologist  
Chief, Underground Storage Tank Program  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SANTA ANA REGION  
3737 Main Street, Suite 500  
Riverside, California 92501-3348

Re: 2021 Annual Groundwater Monitoring and Remediation System  
Operation Results, Raytheon Company, Former Building 684, Fullerton, California

Dear Ms. Gee:

This letter presents the results of groundwater monitoring and operation of the full-scale groundwater remediation system (groundwater remediation system) and of the soil vapor extraction system (SVE system) for the period January 2021 through December 2021 at the Raytheon Company, Former Building 684 site (the Site), located at 2357 Moore Avenue (formerly 651 North Gilbert Street), Fullerton, California (Figures 1 and 2). Groundwater monitoring was performed in general accordance with the monitoring schedule identified in the letter from Hargis + Associates, Inc. (H+A) to the California Regional Water Quality Control Board, Santa Ana Region (CRWQCB) dated November 8, 2002 (H+A, 2002).

### **GROUNDWATER MONITORING**

Groundwater monitoring was conducted at the Site in February, June, August, and November 2021. The annual event was performed in August 2021 and comprised of water level measurements in accessible monitor and extraction wells and collection of groundwater samples in all accessible monitor and extraction wells (Tables 1 and 2).

### **GROUNDWATER LEVELS**

Water levels were measured in accessible monitor wells, extraction wells, and two Orange County Water District (OCWD) test wells in February, June, August, and November 2021 (Table 1). Figures 3 through 8 depict water level elevations obtained during annual monitoring conducted in August 2021. The August 2021 water levels are representative of groundwater conditions.

The Site hydrostratigraphic units have been previously described in detail (H+A, 2013). Shallow zone water level data obtained in August 2021 indicate the same general patterns of hydraulic head and directions of groundwater flow that have been historically observed in these units prior to remediation system operations (Figures 3 through 5) (H+A, 1997). The direction of groundwater flow in the shallow zone was generally toward the east (Figure 3), and toward the north-northeast in the deeper shallow zone (Figure 4). The direction of groundwater flow in the Upper Unit A was generally toward the Upper Unit A groundwater extraction wells (Figure 5).

#### **Other Offices:**

Folsom, CA  
Mesa, AZ  
Tucson, AZ

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Extraction of groundwater from Lower Unit A ceased in April 2004 with approval from CRWQCB (CRWQCB, 2004). In August 2021, the direction of groundwater flow in Lower Unit A was generally toward the north and northwest (Figure 6), which is consistent with the flow direction observed prior to remediation system operations (H+A, 1997).

In August 2021, the direction of groundwater flow in the A/B aquitard near the Site was toward the southwest (Figure 7), which is consistent with the flow direction observed prior to remediation system operations (H+A, 1997). The direction of groundwater flow in Unit B was toward the west (Figure 8), which was consistent with the historical trends observed in this unit.

### **GROUNDWATER CHEMICAL QUALITY**

All groundwater samples collected during monitoring activities conducted in 2021 were analyzed by Eurofins Calscience Inc., Garden Grove, California for volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (EPA) Method 8260B and for analysis of 1,4-dioxane by EPA Method 8270C MOD (Appendix A). Trichloroethylene (TCE) was the principal VOC detected in groundwater samples collected from extraction wells at the Site. Historically, other VOCs have been intermittently detected in groundwater samples collected from various wells at the Site (H+A, 1992). However, beginning in May 2005 and persisting to date at several locations, Tetrachloroethylene (PCE) and TCE have been detected in off-Site monitor wells at concentrations that are not consistent with historical groundwater concentration trends and observed water level elevation and gradient conditions associated with the respective wells. The lines of evidence that supported the conclusion that PCE and TCE concentrations in this area were increasing as a result of one or more off-Site, non-Raytheon source(s) of PCE and TCE to groundwater were previously described (H+A, 2013).

Chain-of-custody documentation was enclosed with each sample shipment. Quality assurance/quality control samples collected during monitoring in 2021 comprised trip blanks that accompanied each sample shipment, rinsate blanks, and field duplicates.

The principal VOC in groundwater is TCE (Table 2); PCE, 1,1-dichloroethylene (1,1-DCE), and all other detected compounds can be found in Table 3. Figures depicting the concentrations of TCE, PCE, and 1,1-DCE detected in groundwater samples collected in August 2021 have been prepared (Figures 9 through 14). Water quality hydrographs depicting the concentrations of TCE in extraction well groundwater samples obtained through November 2021 have been prepared (Figures 15 through 26). Comparisons of the historical concentrations of TCE with concentrations detected in August 2021 generally indicate stable or declining trends of TCE concentrations at the Site.

### **GROUNDWATER REMEDIATION SYSTEM**

The remediation system is a semi-automated, pump-and-treat system designed to remediate groundwater at the Site in the underlying hydrostratigraphic units identified as the shallow zone and Unit A (H+A, 1993).

Full-scale groundwater remediation commenced March 12, 1996. Groundwater historically has been extracted from the Shallow Zone, Upper Unit A, and Lower Unit A. In April 2004, groundwater extraction from Lower Unit A was discontinued, as approved by the CRWQCB (CRWQCB, 2004).

During the period January 1, 2021 through December 31, 2021, the groundwater remediation system treated approximately 86,036,400 gallons of water and removed approximately 2.5 gallons of TCE. TCE concentrations detected in groundwater samples collected from extraction wells are summarized in

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Figures 15 through 26. Through December 2021, the full-scale remediation system has treated approximately 1,879,065,504 gallons of water and removed approximately 120 gallons of TCE.

### **SOIL VAPOR EXTRACTION SYSTEM**

The SVE system is designed to treat VOCs in soil vapor, primarily TCE, which is extracted from two dual-nested SVE wells SVE-100S/D and SVE-101S/D. These two nested sets of SVE wells both have well screens that were installed at an angle of approximately 45-degrees from horizontal. Each nested SVE well has a shallow screened interval from approximately 5 to 25 feet below land surface (bls) and a deeper screened interval from approximately 25 to 50 feet bls. The trace of the SVE well screens in a horizontal plane projected onto land surface is illustrated on Figure 27. Treated soil vapors are discharged through a 35-foot stack which is regulated by the South Coast Air Quality Management District (SCAQMD) under permit G62501, A/N 623372.

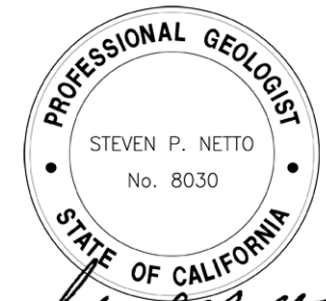
The system was operating under the permit G37741, A/N 577664 from November 2015 until August 2020. A permit modification was submitted to the SCAQMD in July 2020 for an administrative permit update due to the merger between Raytheon Corporation and United Technologies. This resulted in the issuance of the current operational permit G62501, A/N 623372, dated August 12, 2020.

During the period January 1, 2021 through December 31, 2021, the SVE system removed approximately 3.7 pounds of total VOCs and approximately 3.5 pounds of TCE (Table 4; Figure 28). In addition, system influent, effluent, and midpoint field samples were collected weekly at the SVE System and analyzed in the field using a calibrated photo-ionization detector (PID). Weekly PID measurements collected at the system were used to verify that the SCAQMD permit limits were not exceeded and, if necessary, operational adjustments were made to remain in permit compliance.

Please contact me at (858) 455-6500, extension 7430, or [snetto@hargis.com](mailto:snetto@hargis.com), with any questions or comments.

Sincerely,

HARGIS + ASSOCIATES, INC



Steven P. Netto, PG 8030, CHG 872  
Senior Hydrogeologist

SPN/ibj

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Enclosures: Tables 1 through 4  
Figures 1 through 28  
Appendix A – Laboratory Analytical Data

cc (w/encl.) Mr. Jonathan Hone, Raytheon Company  
Mr. Daniel Samorano, Raytheon Company  
Ms. Laurie Kaufman, Raytheon Company  
Ms. Tiffany Foo, City of Fullerton  
Ms. Delaney Cosgrove, City of Fullerton

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## REFERENCES

- California Regional Water Quality Control Board (CRWQCB), 2004. Letter to P. Brewer, Raytheon Systems Company, from C. Bernhardt, RWQCB, re: Proposed Groundwater Monitoring Well Construction and Destruction, Former Raytheon Facility, 651 North Gilbert Street, Fullerton, California, Regional Board Case Number: 083000187T, dated March 12, 2004.
- Hargis + Associates, Inc., 1992. Phase V Groundwater Assessment, Hughes Aircraft Company, Building 684, Fullerton, California. Prepared for Hughes Aircraft Company (HAC), Fullerton, California. September 14, 1992.
- \_\_\_\_\_, 1993. Groundwater Remedial Action Plan, Hughes Aircraft Company, Building 684 Site, Fullerton, California. August 10, 1993.
- \_\_\_\_\_, 1997. Results of Groundwater Monitoring and Groundwater Remediation System Operation, March through December 1996, Hughes Aircraft Company, Building 684, Fullerton, California. March 26, 1997.
- \_\_\_\_\_, 2002. Letter to Mr. Carl A. Bernhardt California Regional Water Quality Control Board, re: Proposed Groundwater Monitoring Program, Hughes Aircraft Company, Building 684, Fullerton, California, dated November 8, 2002.
- \_\_\_\_\_, 2013. Results of Groundwater Monitoring and Groundwater Remediation System Operation, January through December 2012, Raytheon Company, Former Building 684, Fullerton, California. February 14, 2013.

## TABLES

**TABLE 1**  
**WATER LEVEL ELEVATION DATA**

| WELL<br>IDENTIFIER                            | DATE<br>MEASURED | MEASURING POINT<br>ELEVATION<br>(feet msl) | DEPTH TO WATER<br>(feet bmp) | WATER LEVEL<br>ELEVATION<br>(feet msl) |
|-----------------------------------------------|------------------|--------------------------------------------|------------------------------|----------------------------------------|
| <b>Shallow Zone Water Table Monitor Wells</b> |                  |                                            |                              |                                        |
| S-02                                          | 02/25/21         | 100.91                                     | 49.92                        | 50.99                                  |
| S-02                                          | 06/09/21         | 100.91                                     | UTM                          | --                                     |
| S-02                                          | 08/03/21         | 100.91                                     | 50.00                        | 50.91                                  |
| S-02                                          | 11/15/21         | 100.91                                     | 51.16                        | 49.75                                  |
| S-03                                          | 02/25/21         | 101.60                                     | 51.86                        | 49.74                                  |
| S-03                                          | 06/09/21         | 101.60                                     | UTM                          | --                                     |
| S-03                                          | 08/03/21         | 101.60                                     | 51.87                        | 49.73                                  |
| S-03                                          | 11/15/21         | 101.60                                     | UTM                          | --                                     |
| S-04                                          | 02/25/21         | 100.95                                     | 51.57                        | 49.38                                  |
| S-04                                          | 06/09/21         | 100.95                                     | 51.58                        | 49.37                                  |
| S-04                                          | 08/03/21         | 100.95                                     | 51.70                        | 49.25                                  |
| S-04                                          | 11/15/21         | 100.95                                     | 53.34                        | 47.61                                  |
| S-05                                          | 02/25/21         | 98.92                                      | 43.90                        | 55.02                                  |
| S-05                                          | 06/09/21         | 98.92                                      | 43.78                        | 55.14                                  |
| S-05                                          | 08/03/21         | 98.92                                      | 44.05                        | 54.87                                  |
| S-05                                          | 11/15/21         | 98.92                                      | 45.00                        | 53.92                                  |
| S-07                                          | 02/25/21         | 99.48                                      | 46.28                        | 53.20                                  |
| S-07                                          | 06/09/21         | 99.48                                      | 45.16                        | 54.32                                  |
| S-07                                          | 08/03/21         | 99.48                                      | 46.41                        | 53.07                                  |
| S-07                                          | 11/15/21         | 99.48                                      | 47.35                        | 52.13                                  |
| S-08                                          | 02/25/21         | 95.52                                      | 46.99                        | 48.53                                  |
| S-08                                          | 06/09/21         | 95.52                                      | 47.20                        | 48.32                                  |
| S-08                                          | 08/03/21         | 95.52                                      | 47.23                        | 48.29                                  |
| S-08                                          | 11/15/21         | 95.52                                      | 48.60                        | 46.92                                  |
| S-18                                          | 02/25/21         | 98.79                                      | 46.08                        | 52.71                                  |
| S-18                                          | 06/09/21         | 98.79                                      | 46.20                        | 52.59                                  |
| S-18                                          | 08/03/21         | 98.79                                      | 46.48                        | 52.31                                  |
| S-18                                          | 11/15/21         | 98.79                                      | 47.58                        | 51.21                                  |
| S-21                                          | 02/25/21         | 95.81                                      | 26.99                        | 68.82                                  |
| S-21                                          | 06/09/21         | 95.81                                      | 29.33                        | 66.48                                  |
| S-21                                          | 08/03/21         | 95.81                                      | 31.65                        | 64.16                                  |
| S-21                                          | 11/15/21         | 95.81                                      | 32.56                        | 63.25                                  |
| S-32                                          | 02/25/21         | 101.17                                     | 51.64                        | 49.53                                  |
| S-32                                          | 06/09/21         | 101.17                                     | 51.70                        | 49.47                                  |
| S-32                                          | 08/03/21         | 101.17                                     | UTM                          | --                                     |
| S-32                                          | 11/15/21         | 101.17                                     | UTM                          | --                                     |

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**WATER LEVEL ELEVATION DATA**

| WELL<br>IDENTIFIER                       | DATE<br>MEASURED | MEASURING POINT<br>ELEVATION<br>(feet msl) | DEPTH TO WATER<br>(feet bmp) | WATER LEVEL<br>ELEVATION<br>(feet msl) |
|------------------------------------------|------------------|--------------------------------------------|------------------------------|----------------------------------------|
| <b>Deeper Shallow Zone Monitor Wells</b> |                  |                                            |                              |                                        |
| S-14                                     | 02/25/21         | 96.96                                      | 43.81                        | 53.15                                  |
| S-14                                     | 06/09/21         | 96.96                                      | 43.83                        | 53.13                                  |
| S-14                                     | 08/03/21         | 96.96                                      | 44.09                        | 52.87                                  |
| S-14                                     | 11/15/21         | 96.96                                      | 45.30                        | 51.66                                  |
| S-15                                     | 02/25/21         | 95.76                                      | 38.91                        | 56.85                                  |
| S-15                                     | 06/09/21         | 95.76                                      | 45.49                        | 50.27                                  |
| S-15                                     | 08/03/21         | 95.76                                      | 39.00                        | 56.76                                  |
| S-15                                     | 11/15/21         | 95.76                                      | 39.90                        | 55.86                                  |
| S-24                                     | 02/25/21         | 95.66                                      | 38.49                        | 57.17                                  |
| S-24                                     | 06/09/21         | 95.66                                      | 46.77                        | 48.89                                  |
| S-24                                     | 08/03/21         | 95.66                                      | 38.73                        | 56.93                                  |
| S-24                                     | 11/15/21         | 95.66                                      | 39.75                        | 55.91                                  |
| S-26                                     | 02/25/21         | 97.68                                      | 38.88                        | 58.80                                  |
| S-26                                     | 06/09/21         | 97.68                                      | 38.88                        | 58.80                                  |
| S-26                                     | 08/03/21         | 97.68                                      | 39.14                        | 58.54                                  |
| S-26                                     | 11/15/21         | 97.68                                      | 40.22                        | 57.46                                  |
| S-27                                     | 02/25/21         | 119.98                                     | 71.96                        | 48.02                                  |
| S-27                                     | 06/09/21         | 119.98                                     | 72.02                        | 47.96                                  |
| S-27                                     | 08/03/21         | 119.98                                     | 72.89                        | 47.09                                  |
| S-27                                     | 11/15/21         | 119.98                                     | 74.60                        | 45.38                                  |
| S-29                                     | 02/25/21         | 91.42                                      | 33.71                        | 57.71                                  |
| S-29                                     | 06/09/21         | 91.42                                      | 33.82                        | 57.60                                  |
| S-29                                     | 08/03/21         | 91.42                                      | 34.33                        | 57.09                                  |
| S-29                                     | 11/15/21         | 91.42                                      | 35.30                        | 56.12                                  |
| S-30                                     | 02/25/21         | 95.00                                      | 37.42                        | 57.58                                  |
| S-30                                     | 06/09/21         | 95.00                                      | 37.50                        | 57.50                                  |
| S-30                                     | 08/03/21         | 95.00                                      | 38.03                        | 56.97                                  |
| S-30                                     | 11/15/21         | 95.00                                      | 39.05                        | 55.95                                  |
| S-31                                     | 02/25/21         | 94.31                                      | 37.28                        | 57.03                                  |
| S-31                                     | 06/09/21         | 94.31                                      | 37.16                        | 57.15                                  |
| S-31                                     | 08/03/21         | 94.31                                      | 37.55                        | 56.76                                  |
| S-31                                     | 11/15/21         | 94.31                                      | 38.72                        | 55.59                                  |
| SE-01                                    | 02/25/21         | 98.27                                      | 49.09                        | 49.18                                  |
| SE-01                                    | 06/09/21         | 98.27                                      | 49.25                        | 49.02                                  |
| SE-01                                    | 08/03/21         | 98.27                                      | 49.45                        | 48.82                                  |
| SE-01                                    | 11/15/21         | 98.27                                      | 51.11                        | 47.16                                  |

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**WATER LEVEL ELEVATION DATA**

| WELL<br>IDENTIFIER                   | DATE<br>MEASURED | MEASURING POINT<br>ELEVATION<br>(feet msl) | DEPTH TO WATER<br>(feet bmp) | WATER LEVEL<br>ELEVATION<br>(feet msl) |
|--------------------------------------|------------------|--------------------------------------------|------------------------------|----------------------------------------|
| <b>Shallow Zone Extraction Wells</b> |                  |                                            |                              |                                        |
| SE-04                                | 02/25/21         | 95.53                                      | 37.49                        | 58.04                                  |
| SE-04                                | 06/09/21         | 95.53                                      | 38.37                        | 57.16                                  |
| SE-04                                | 08/03/21         | 95.53                                      | 37.62                        | 57.91                                  |
| SE-04                                | 11/15/21         | 95.53                                      | 38.74                        | 56.79                                  |
| <b>Upper Unit A Monitor Wells</b>    |                  |                                            |                              |                                        |
| UA-02                                | 02/25/21         | 98.82                                      | 51.12                        | 47.70                                  |
| UA-02                                | 06/09/21         | 98.82                                      | 51.52                        | 47.30                                  |
| UA-02                                | 08/03/21         | 98.82                                      | 52.59                        | 46.23                                  |
| UA-02                                | 11/15/21         | 98.82                                      | 54.32                        | 44.50                                  |
| UA-06                                | 02/25/21         | 97.53                                      | 49.34                        | 48.19                                  |
| UA-06                                | 06/09/21         | 97.53                                      | 49.95                        | 47.58                                  |
| UA-06                                | 08/03/21         | 97.53                                      | 51.02                        | 46.51                                  |
| UA-06                                | 11/15/21         | 97.53                                      | 52.14                        | 45.39                                  |
| UA-07                                | 02/25/21         | 98.61                                      | 49.58                        | 49.03                                  |
| UA-07                                | 06/09/21         | 98.61                                      | 50.12                        | 48.49                                  |
| UA-07                                | 08/03/21         | 98.61                                      | 51.28                        | 47.33                                  |
| UA-07                                | 11/15/21         | 98.61                                      | 52.46                        | 46.15                                  |
| UA-08                                | 02/25/21         | 95.05                                      | 47.55                        | 47.50                                  |
| UA-08                                | 06/09/21         | 95.05                                      | 47.98                        | 47.07                                  |
| UA-08                                | 08/03/21         | 95.05                                      | 49.07                        | 45.98                                  |
| UA-08                                | 11/15/21         | 95.05                                      | 50.47                        | 44.58                                  |
| UA-11                                | 02/25/21         | 94.89                                      | 47.12                        | 47.77                                  |
| UA-11                                | 06/09/21         | 94.89                                      | 48.62                        | 46.27                                  |
| UA-11                                | 08/03/21         | 94.89                                      | 48.76                        | 46.13                                  |
| UA-11                                | 11/15/21         | 94.89                                      | 50.28                        | 44.61                                  |
| UA-12                                | 02/25/21         | 91.07                                      | 43.50                        | 47.57                                  |
| UA-12                                | 06/09/21         | 91.07                                      | 43.90                        | 47.17                                  |
| UA-12                                | 08/03/21         | 91.07                                      | 45.05                        | 46.02                                  |
| UA-12                                | 11/15/21         | 91.07                                      | 46.12                        | 44.95                                  |
| <b>Upper Unit A Extraction Wells</b> |                  |                                            |                              |                                        |
| UAX-01                               | 02/25/21         | 97.45                                      | 60.95                        | 36.50                                  |
| UAX-01                               | 06/09/21         | 97.45                                      | 61.35                        | 36.10                                  |
| UAX-01                               | 08/03/21         | 97.45                                      | 61.92                        | 35.53                                  |
| UAX-01                               | 11/15/21         | 97.45                                      | 63.43                        | 34.02                                  |
| UAX-02                               | 02/25/21         | 97.08                                      | 83.04                        | 14.04                                  |
| UAX-02                               | 06/09/21         | 97.08                                      | 85.08                        | 12.00                                  |
| UAX-02                               | 08/03/21         | 97.08                                      | 85.95                        | 11.13                                  |
| UAX-02                               | 11/15/21         | 97.08                                      | 87.68                        | 9.40                                   |

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**WATER LEVEL ELEVATION DATA**

| WELL<br>IDENTIFIER                               | DATE<br>MEASURED | MEASURING POINT<br>ELEVATION<br>(feet msl) | DEPTH TO WATER<br>(feet bmp) | WATER LEVEL<br>ELEVATION<br>(feet msl) |
|--------------------------------------------------|------------------|--------------------------------------------|------------------------------|----------------------------------------|
| <b>Upper Unit A Extraction Wells (continued)</b> |                  |                                            |                              |                                        |
| UAX-03                                           | 02/25/21         | 92.63                                      | 75.46                        | 17.17                                  |
| UAX-03                                           | 06/09/21         | 92.63                                      | 76.01                        | 16.62                                  |
| UAX-03                                           | 08/03/21         | 92.63                                      | 77.92                        | 14.71                                  |
| UAX-03                                           | 11/15/21         | 92.63                                      | 46.82                        | 45.81                                  |
| <b>Lower Unit A Monitor Wells</b>                |                  |                                            |                              |                                        |
| UA-04D                                           | 02/25/21         | 100.31                                     | 51.53                        | 48.78                                  |
| UA-04D                                           | 06/09/21         | 100.31                                     | 52.02                        | 48.29                                  |
| UA-04D                                           | 08/03/21         | 100.31                                     | 53.04                        | 47.27                                  |
| UA-04D                                           | 11/15/21         | 100.31                                     | 54.07                        | 46.24                                  |
| UA-06D                                           | 02/25/21         | 97.45                                      | 48.13                        | 49.32                                  |
| UA-06D                                           | 06/09/21         | 97.45                                      | 48.70                        | 48.75                                  |
| UA-06D                                           | 08/03/21         | 97.45                                      | 50.01                        | 47.44                                  |
| UA-06D                                           | 11/15/21         | 97.45                                      | 51.35                        | 46.10                                  |
| UA-07D                                           | 02/25/21         | 99.46                                      | 48.54                        | 50.92                                  |
| UA-07D                                           | 06/09/21         | 99.46                                      | 49.23                        | 50.23                                  |
| UA-07D                                           | 08/03/21         | 99.46                                      | 50.46                        | 49.00                                  |
| UA-07D                                           | 11/15/21         | 99.46                                      | 51.78                        | 47.68                                  |
| UA-08D                                           | 02/25/21         | 94.86                                      | 46.44                        | 48.42                                  |
| UA-08D                                           | 06/09/21         | 94.86                                      | 46.98                        | 47.88                                  |
| UA-08D                                           | 08/03/21         | 94.86                                      | 48.13                        | 46.73                                  |
| UA-08D                                           | 11/15/21         | 94.86                                      | 49.46                        | 45.40                                  |
| UA-10D                                           | 02/25/21         | 93.89                                      | 44.27                        | 49.62                                  |
| UA-10D                                           | 06/09/21         | 93.89                                      | 45.11                        | 48.78                                  |
| UA-10D                                           | 08/03/21         | 93.89                                      | 46.51                        | 47.38                                  |
| UA-10D                                           | 11/15/21         | 93.89                                      | 47.65                        | 46.24                                  |
| UA-11D                                           | 02/25/21         | 94.35                                      | 45.48                        | 48.87                                  |
| UA-11D                                           | 06/09/21         | 94.35                                      | 46.21                        | 48.14                                  |
| UA-11D                                           | 08/03/21         | 94.35                                      | 47.52                        | 46.83                                  |
| UA-11D                                           | 11/15/21         | 94.35                                      | 48.82                        | 45.53                                  |
| UA-12D                                           | 02/25/21         | 90.57                                      | 42.50                        | 48.07                                  |
| UA-12D                                           | 06/09/21         | 90.57                                      | 43.03                        | 47.54                                  |
| UA-12D                                           | 08/03/21         | 90.57                                      | 44.23                        | 46.34                                  |
| UA-12D                                           | 11/15/21         | 90.57                                      | 45.70                        | 44.87                                  |
| UA-13D                                           | 02/25/21         | 91.28                                      | 41.30                        | 49.98                                  |
| UA-13D                                           | 06/09/21         | 91.28                                      | 42.42                        | 48.86                                  |
| UA-13D                                           | 08/03/21         | 91.28                                      | 43.85                        | 47.43                                  |
| UA-13D                                           | 11/15/21         | 91.28                                      | 44.74                        | 46.54                                  |
| UA-14D                                           | 02/25/21         | 91.08                                      | 42.29                        | 48.79                                  |
| UA-14D                                           | 06/09/21         | 91.08                                      | 43.14                        | 47.94                                  |
| UA-14D                                           | 08/03/21         | 91.08                                      | 44.50                        | 46.58                                  |
| UA-14D                                           | 11/15/21         | 91.08                                      | 45.62                        | 45.46                                  |

**TABLE 1**  
**WATER LEVEL ELEVATION DATA**

| WELL<br>IDENTIFIER                            | DATE<br>MEASURED | MEASURING POINT<br>ELEVATION<br>(feet msl) | DEPTH TO WATER<br>(feet bmp) | WATER LEVEL<br>ELEVATION<br>(feet msl) |
|-----------------------------------------------|------------------|--------------------------------------------|------------------------------|----------------------------------------|
| <b>Lower Unit A Monitor Wells (continued)</b> |                  |                                            |                              |                                        |
| UA-15D                                        | 02/25/21         | 95.69                                      | 48.02                        | 47.67                                  |
| UA-15D                                        | 06/09/21         | 95.69                                      | 48.49                        | 47.20                                  |
| UA-15D                                        | 08/03/21         | 95.69                                      | 49.51                        | 46.18                                  |
| UA-15D                                        | 11/15/21         | 95.69                                      | 51.21                        | 44.48                                  |
| UA-16D                                        | 02/25/21         | 93.86                                      | 44.62                        | 49.24                                  |
| UA-16D                                        | 06/09/21         | 93.86                                      | 45.53                        | 48.33                                  |
| UA-16D                                        | 08/03/21         | 93.86                                      | 46.92                        | 46.94                                  |
| UA-16D                                        | 11/15/21         | 93.86                                      | 48.01                        | 45.85                                  |
| UA-17D                                        | 02/25/21         | 93.89                                      | 44.66                        | 49.23                                  |
| UA-17D                                        | 06/09/21         | 93.89                                      | 45.58                        | 48.31                                  |
| UA-17D                                        | 08/03/21         | 93.89                                      | 47.00                        | 46.89                                  |
| UA-17D                                        | 11/15/21         | 93.89                                      | 48.06                        | 45.83                                  |
| <b>Lower Unit A Extraction Wells</b>          |                  |                                            |                              |                                        |
| LAX-01                                        | 02/25/21         | 88.77                                      | 39.61                        | 49.16                                  |
| LAX-01                                        | 06/09/21         | 88.77                                      | 40.76                        | 48.01                                  |
| LAX-01                                        | 08/03/21         | 88.77                                      | 41.75                        | 47.02                                  |
| LAX-01                                        | 11/15/21         | 88.77                                      | 41.92                        | 46.85                                  |
| LAX-02                                        | 02/26/21         | 96.18                                      | 47.44                        | 48.74                                  |
| LAX-02                                        | 06/09/21         | 96.18                                      | 48.05                        | 48.13                                  |
| LAX-02                                        | 08/03/21         | 96.18                                      | 49.20                        | 46.98                                  |
| LAX-02                                        | 11/15/21         | 96.18                                      | 50.42                        | 45.76                                  |
| LAX-03                                        | 02/25/21         | 96.66                                      | 48.82                        | 47.84                                  |
| LAX-03                                        | 06/09/21         | 96.66                                      | 48.84                        | 47.82                                  |
| LAX-03                                        | 08/03/21         | 96.66                                      | 49.87                        | 46.79                                  |
| LAX-03                                        | 11/15/21         | 96.66                                      | 51.32                        | 45.34                                  |
| <b>A/B Aquitard Monitor Wells</b>             |                  |                                            |                              |                                        |
| AB-01                                         | 02/25/21         | 97.24                                      | 47.70                        | 49.54                                  |
| AB-01                                         | 06/09/21         | 97.24                                      | 48.44                        | 48.80                                  |
| AB-01                                         | 08/03/21         | 97.24                                      | 49.63                        | 47.61                                  |
| AB-01                                         | 11/15/21         | 97.24                                      | 51.08                        | 46.16                                  |
| AB-02                                         | 02/25/21         | 96.29                                      | 46.68                        | 49.61                                  |
| AB-02                                         | 06/09/21         | 96.29                                      | 47.29                        | 49.00                                  |
| AB-02                                         | 08/03/21         | 96.29                                      | 48.44                        | 47.85                                  |
| AB-02                                         | 11/15/21         | 96.29                                      | 50.00                        | 46.29                                  |
| AB-03                                         | 02/25/21         | 96.64                                      | 47.14                        | 49.50                                  |
| AB-03                                         | 06/09/21         | 96.64                                      | 47.78                        | 48.86                                  |
| AB-03                                         | 08/03/21         | 96.64                                      | 49.01                        | 47.63                                  |
| AB-03                                         | 11/15/21         | 96.64                                      | 50.40                        | 46.24                                  |
| AB-05                                         | 02/25/21         | 90.99                                      | 41.60                        | 49.39                                  |
| AB-05                                         | 06/09/21         | 90.99                                      | 42.79                        | 48.20                                  |
| AB-05                                         | 08/03/21         | 90.99                                      | 44.19                        | 46.80                                  |
| AB-05                                         | 11/15/21         | 90.99                                      | 45.10                        | 45.89                                  |

**TABLE 1**  
**WATER LEVEL ELEVATION DATA**

| WELL<br>IDENTIFIER                            | DATE<br>MEASURED | MEASURING POINT<br>ELEVATION<br>(feet msl) | DEPTH TO WATER<br>(feet bmp) | WATER LEVEL<br>ELEVATION<br>(feet msl) |
|-----------------------------------------------|------------------|--------------------------------------------|------------------------------|----------------------------------------|
| <b>A/B Aquitard Monitor Wells (continued)</b> |                  |                                            |                              |                                        |
| AB-06                                         | 02/25/21         | 93.67                                      | 44.28                        | 49.39                                  |
| AB-06                                         | 06/09/21         | 93.67                                      | 45.31                        | 48.36                                  |
| AB-06                                         | 08/03/21         | 93.67                                      | 46.86                        | 46.81                                  |
| AB-06                                         | 11/15/21         | 93.67                                      | 47.80                        | 45.87                                  |
| AB-07                                         | 02/25/21         | 90.62                                      | 42.14                        | 48.48                                  |
| AB-07                                         | 06/09/21         | 90.62                                      | 43.11                        | 47.51                                  |
| AB-07                                         | 08/03/21         | 90.62                                      | 44.50                        | 46.12                                  |
| AB-07                                         | 11/15/21         | 90.62                                      | 45.58                        | 45.04                                  |
| AB-08                                         | 02/25/21         | 93.92                                      | 44.86                        | 49.06                                  |
| AB-08                                         | 06/09/21         | 93.92                                      | 45.94                        | 47.98                                  |
| AB-08                                         | 08/03/21         | 93.92                                      | 47.27                        | 46.65                                  |
| AB-08                                         | 11/15/21         | 93.92                                      | 48.41                        | 45.51                                  |
| <b>Unit B Monitor Wells</b>                   |                  |                                            |                              |                                        |
| UB-01                                         | 02/25/21         | 100.47                                     | 50.73                        | 49.74                                  |
| UB-01                                         | 06/09/21         | 100.47                                     | 52.09                        | 48.38                                  |
| UB-01                                         | 08/03/21         | 100.47                                     | 53.57                        | 46.90                                  |
| UB-01                                         | 11/15/21         | 100.47                                     | 54.70                        | 45.77                                  |
| UB-02                                         | 02/25/21         | 91.38                                      | 43.87                        | 47.51                                  |
| UB-02                                         | 06/09/21         | 91.38                                      | 46.54                        | 44.84                                  |
| UB-02                                         | 08/03/21         | 91.38                                      | 47.20                        | 44.18                                  |
| UB-02                                         | 11/15/21         | 91.38                                      | 47.88                        | 43.50                                  |
| UB-03                                         | 02/25/21         | 94.94                                      | 46.83                        | 48.11                                  |
| UB-03                                         | 06/09/21         | 94.94                                      | 48.25                        | 46.69                                  |
| UB-03                                         | 08/03/21         | 94.94                                      | 49.83                        | 45.11                                  |
| UB-03                                         | 11/15/21         | 94.94                                      | 50.75                        | 44.19                                  |
| UB-04                                         | 02/25/21         | 94.00                                      | 45.43                        | 48.57                                  |
| UB-04                                         | 06/09/21         | 94.00                                      | 46.90                        | 47.10                                  |
| UB-04                                         | 08/03/21         | 94.00                                      | 48.49                        | 45.51                                  |
| UB-04                                         | 11/15/21         | 94.00                                      | 49.42                        | 44.58                                  |
| UB-05                                         | 02/25/21         | 90.59                                      | 42.74                        | 47.85                                  |
| UB-05                                         | 06/09/21         | 90.59                                      | 44.20                        | 46.39                                  |
| UB-05                                         | 08/03/21         | 90.59                                      | 45.70                        | 44.89                                  |
| UB-05                                         | 11/15/21         | 90.59                                      | 46.62                        | 43.97                                  |
| UB-06                                         | 02/25/21         | 93.83                                      | 45.79                        | 48.04                                  |
| UB-06                                         | 06/09/21         | 93.83                                      | 47.96                        | 45.87                                  |
| UB-06                                         | 08/03/21         | 93.83                                      | 48.82                        | 45.01                                  |
| UB-06                                         | 11/15/21         | 93.83                                      | 49.71                        | 44.12                                  |



**TABLE 1**  
**WATER LEVEL ELEVATION DATA**

| WELL<br>IDENTIFIER                             | DATE<br>MEASURED | MEASURING POINT<br>ELEVATION<br>(feet msl) | DEPTH TO WATER<br>(feet bmp) | WATER LEVEL<br>ELEVATION<br>(feet msl) |
|------------------------------------------------|------------------|--------------------------------------------|------------------------------|----------------------------------------|
| <b>Orange County Water District Test Wells</b> |                  |                                            |                              |                                        |
| 36A6-255                                       | 02/25/21         | 92.09                                      | 44.71                        | 47.38                                  |
| 36A6-255                                       | 06/09/21         | 92.09                                      | 46.25                        | 45.84                                  |
| 36A6-255                                       | 08/03/21         | 92.09                                      | 47.45                        | 44.64                                  |
| 36A6-255                                       | 11/15/21         | 92.09                                      | 47.63                        | 44.46                                  |
| 36A6-855                                       | 02/25/21         | 92.09                                      | 59.83                        | 32.26                                  |
| 36A6-855                                       | 06/09/21         | 92.09                                      | 72.33                        | 19.76                                  |
| 36A6-855                                       | 08/03/21         | 92.09                                      | 91.46                        | 0.63                                   |
| 36A6-855                                       | 11/15/21         | 92.09                                      | 71.31                        | 20.78                                  |

**FOOTNOTES**

msl = Mean sea level  
 bmp = Below measuring point  
 UTM = Unable to measure

**TABLE 2**  
**TRICHLOROETHYLENE IN GROUNDWATER SAMPLES**

| WELL IDENTIFIER                                 | SAMPLE DATE | QUALITY ASSURANCE CODE | CONCENTRATION (ug/l) |
|-------------------------------------------------|-------------|------------------------|----------------------|
| <b>Shallow Zone Water Table Monitor Wells</b>   |             |                        |                      |
| SE-01                                           | 08/05/21    | ORG                    | 15,000               |
| S-02                                            | 08/05/21    | ORG                    | <0.50                |
| S-03                                            | 08/04/21    | ORG                    | 2.1                  |
| S-04                                            | 08/04/21    | ORG                    | 35                   |
| S-05                                            | 08/04/21    | ORG                    | <0.50                |
| S-07                                            | 08/05/21    | ORG                    | <0.50                |
| S-08                                            | 08/05/21    | ORG                    | 2,000                |
| S-21                                            | 08/04/21    | ORG                    | <0.50                |
| S-32                                            | --          | ORG                    | NS                   |
| <b>Deeper Shallow Zone Monitor Wells</b>        |             |                        |                      |
| S-14                                            | 08/04/21    | ORG                    | <0.50                |
| S-15                                            | 08/05/21    | ORG                    | 1.5                  |
| S-18                                            | 08/04/21    | ORG                    | <0.50                |
| S-24                                            | 08/04/21    | ORG                    | 1.4                  |
| S-26                                            | 08/04/21    | ORG                    | <0.50                |
| S-27                                            | 08/04/21    | ORG                    | <0.50                |
| S-29                                            | 08/05/21    | ORG                    | <0.50                |
| S-30                                            | 08/05/21    | ORG                    | 0.53                 |
| S-30                                            | 08/05/21    | FD                     | <0.50                |
| S-31                                            | 08/05/21    | ORG                    | <0.50                |
| <b>Shallow Zone Extraction Well</b>             |             |                        |                      |
| SE-04                                           | 08/05/21    | ORG                    | 7.1                  |
| SE-04                                           | 08/05/21    | FD                     | 6.7                  |
| <b>Shallow Zone Horizontal Extraction Wells</b> |             |                        |                      |
| HEW-01                                          | 02/26/21    | ORG                    | 600                  |
| HEW-01                                          | 06/09/21    | ORG                    | 720                  |
| HEW-01                                          | 06/09/21    | FD                     | 700                  |
| HEW-01                                          | 08/04/21    | ORG                    | 670                  |
| HEW-01                                          | 11/16/21    | ORG                    | 820                  |
| HEW-02                                          | 02/25/21    | ORG                    | 110 F1               |
| HEW-02                                          | 06/10/21    | ORG                    | 120                  |
| HEW-02                                          | 08/03/21    | ORG                    | 100                  |
| HEW-02                                          | 11/16/21    | ORG                    | 97                   |
| HEW-03                                          | 02/26/21    | ORG                    | 110                  |
| HEW-03                                          | 06/10/21    | ORG                    | 120                  |
| HEW-03                                          | 11/16/21    | ORG                    | 110                  |
| HEW-03                                          | 11/16/21    | FD                     | 110                  |
| HEW-04                                          | 02/25/21    | ORG                    | 98                   |
| HEW-04                                          | 02/25/21    | FD                     | 95                   |
| HEW-04                                          | 06/09/21    | ORG                    | 91                   |
| HEW-04                                          | 08/04/21    | ORG                    | 88                   |
| HEW-04                                          | 11/16/21    | ORG                    | 79                   |
| HEW-05                                          | 02/25/21    | ORG                    | 140                  |
| HEW-05                                          | 06/10/21    | ORG                    | 56                   |
| HEW-05                                          | 08/03/21    | ORG                    | 110                  |
| HEW-05                                          | 08/03/21    | FD                     | 120                  |
| HEW-05                                          | 11/16/21    | ORG                    | 120                  |

**TABLE 2**  
**TRICHLOROETHYLENE IN GROUNDWATER SAMPLES**

| WELL<br>IDENTIFIER                   | SAMPLE<br>DATE | QUALITY ASSURANCE<br>CODE | CONCENTRATION<br>(ug/l) |
|--------------------------------------|----------------|---------------------------|-------------------------|
| <b>Upper Unit A Monitor Wells</b>    |                |                           |                         |
| UA-02                                | 08/05/21       | ORG                       | 3.4                     |
| UA-06                                | 08/04/21       | ORG                       | 0.81                    |
| UA-07                                | 08/04/21       | ORG                       | 0.62                    |
| UA-08                                | 08/05/21       | ORG                       | 1.9                     |
| UA-11                                | 08/05/21       | ORG                       | 1.1                     |
| UA-12                                | 08/05/21       | ORG                       | 0.36 J                  |
| <b>Upper Unit A Extraction Wells</b> |                |                           |                         |
| UAX-01                               | 02/25/21       | ORG                       | 2.5                     |
| UAX-01                               | 06/09/21       | ORG                       | 2.4                     |
| UAX-01                               | 08/04/21       | ORG                       | 3.2                     |
| UAX-01                               | 11/16/21       | ORG                       | 3.5                     |
| UAX-02                               | 02/25/21       | ORG                       | 4.1                     |
| UAX-02                               | 06/10/21       | ORG                       | 4.6                     |
| UAX-02                               | 08/04/21       | ORG                       | 4.3                     |
| UAX-02                               | 11/16/21       | ORG                       | 4.3                     |
| UAX-03                               | 02/25/21       | ORG                       | 9.3                     |
| UAX-03                               | 06/09/21       | ORG                       | 9.5                     |
| UAX-03                               | 08/04/21       | ORG                       | 8.9                     |
| UAX-03                               | 08/04/21       | FD                        | 8.9                     |
| UAX-03                               | 11/16/21       | ORG                       | 8.7                     |
| <b>Lower Unit A Monitor Wells</b>    |                |                           |                         |
| UA-04D                               | 08/04/21       | ORG                       | <0.50                   |
| UA-06D                               | 08/04/21       | ORG                       | 0.44 J                  |
| UA-07D                               | 08/04/21       | ORG                       | <0.50                   |
| UA-08D                               | 08/05/21       | ORG                       | 1.1                     |
| UA-10D                               | 08/05/21       | ORG                       | <0.50                   |
| UA-11D                               | 08/05/21       | ORG                       | <0.50                   |
| UA-12D                               | 08/05/21       | ORG                       | <0.50                   |
| UA-13D                               | 08/04/21       | ORG                       | <0.50                   |
| UA-14D                               | 08/05/21       | ORG                       | 0.49 J                  |
| UA-15D                               | 08/04/21       | ORG                       | 0.68                    |
| UA-16D                               | 08/04/21       | ORG                       | <0.50                   |
| UA-17D                               | 08/04/21       | ORG                       | <0.50                   |
| <b>Lower Unit A Extraction Wells</b> |                |                           |                         |
| LAX-01                               | 02/25/21       | ORG                       | <0.50                   |
| LAX-01                               | 06/09/21       | ORG                       | <0.50                   |
| LAX-01                               | 08/04/21       | ORG                       | <0.50                   |
| LAX-01                               | 11/16/21       | ORG                       | <0.50                   |
| LAX-02                               | 02/26/21       | ORG                       | <0.50                   |
| LAX-02                               | 06/09/21       | ORG                       | <0.50                   |
| LAX-02                               | 08/04/21       | ORG                       | <0.50                   |
| LAX-02                               | 11/16/21       | ORG                       | <0.50                   |
| LAX-03                               | 02/25/21       | ORG                       | <0.50                   |
| LAX-03                               | 06/09/21       | ORG                       | 0.35 J                  |
| LAX-03                               | 08/04/21       | ORG                       | <0.50                   |
| LAX-03                               | 11/16/21       | ORG                       | 0.37 J                  |
| <b>Unit A Injection Wells</b>        |                |                           |                         |
| UAI-01                               | --             | --                        | NS                      |
| UAI-02                               | --             | --                        | NS                      |
| UAI-03                               | --             | --                        | NS                      |
| UAI-04                               | --             | --                        | NS                      |
| UAI-05                               | --             | --                        | NS                      |

**TABLE 2**  
**TRICHLOROETHYLENE IN GROUNDWATER SAMPLES**

| WELL<br>IDENTIFIER                               | SAMPLE<br>DATE | QUALITY ASSURANCE<br>CODE | CONCENTRATION<br>(ug/l) |
|--------------------------------------------------|----------------|---------------------------|-------------------------|
| <b>A/B Aquitard Monitor Wells</b>                |                |                           |                         |
| AB-01                                            | --             | ORG                       | NS                      |
| AB-02                                            | --             | ORG                       | NS                      |
| AB-03                                            | --             | ORG                       | NS                      |
| AB-05                                            | --             | ORG                       | NS                      |
| AB-06                                            | --             | ORG                       | NS                      |
| AB-07                                            | --             | ORG                       | NS                      |
| AB-08                                            | --             | ORG                       | NS                      |
| <b>Unit B Monitor Wells</b>                      |                |                           |                         |
| UB-01                                            | --             | ORG                       | NS                      |
| UB-02                                            | --             | ORG                       | NS                      |
| UB-03                                            | --             | ORG                       | NS                      |
| UB-04                                            | --             | ORG                       | NS                      |
| UB-05                                            | --             | ORG                       | NS                      |
| UB-06                                            | --             | ORG                       | NS                      |
| <b>Quality Assurance/Quality Control Samples</b> |                |                           |                         |
| TB-022521                                        | 02/25/21       | TB                        | <0.50                   |
| TB-06092021                                      | 06/09/21       | TB                        | <0.50                   |
| TB-06102021                                      | 06/10/21       | TB                        | <0.50                   |
| TB-080321                                        | 08/03/21       | TB                        | <0.50                   |
| TB-080421                                        | 08/04/21       | TB                        | <0.50                   |
| TB-080521                                        | 08/05/21       | TB                        | <0.50                   |
| TB-111621                                        | 11/16/21       | TB                        | <0.50                   |
| RB-022521                                        | 02/25/21       | RB                        | <0.50                   |
| RB-06092021                                      | 06/09/21       | RB                        | <0.50                   |
| RB-080421A                                       | 08/04/21       | RB                        | <0.50                   |
| RB-080421B                                       | 08/04/21       | RB                        | <0.50                   |
| RB-080521A                                       | 08/05/21       | RB                        | <0.50                   |
| RB-080521B                                       | 08/05/21       | RB                        | <0.50                   |
| RB-111621                                        | 11/16/21       | RB                        | <0.50                   |

**FOOTNOTES**

(<) = Less than; numerical value is the Reporting Limit for Trichloroethylene  
 FD = Field duplicate sample  
 NS = Not sampled  
 ORG = Original sample  
 RB = Rinsate blank sample  
 TB = Trip blank sample  
 ug/l = Micrograms per liter  
 F1 = MS and/or MSD recovery exceeds control limits.  
 J = Estimated value; detected at less than the Reporting Limit and  
 greater than or equal to the Method Detection Limit

**TABLE 3**
**OTHER VOLATILE ORGANIC COMPOUNDS  
IN GROUNDWATER SAMPLES**

| WELL IDENTIFIER                                 | SAMPLE DATE | QUALITY ASSURANCE CODE | COMPOUND                              | CONCENTRATION (ug/l) |
|-------------------------------------------------|-------------|------------------------|---------------------------------------|----------------------|
| <b>Shallow Zone Water Table Monitor Wells</b>   |             |                        |                                       |                      |
| SE-01                                           | 08/05/21    | ORG                    | Tetrachloroethylene                   | 770                  |
| S-08                                            | 08/05/21    | ORG                    | Tetrachloroethylene                   | 70                   |
| S-21                                            | 08/04/21    | ORG                    | Chloroform                            | 0.74                 |
| <b>Deeper Shallow Zone Monitor Wells</b>        |             |                        |                                       |                      |
| S-15                                            | 08/05/21    | ORG                    | Tetrachloroethylene                   | 0.37 J               |
| S-30                                            | 08/05/21    | ORG                    | 1,1-Dichloroethylene                  | 1.4                  |
| S-30                                            | 08/05/21    | ORG                    | cis-1,2-Dichloroethylene              | 0.72                 |
| S-30                                            | 08/05/21    | FD                     | 1,1-Dichloroethylene                  | 0.62                 |
| S-30                                            | 08/05/21    | FD                     | cis-1,2-Dichloroethylene              | 0.38 J               |
| S-30                                            | 08/05/21    | FD                     | Tetrachloroethylene                   | 1.0                  |
| <b>Shallow Zone Extraction Well</b>             |             |                        |                                       |                      |
| SE-04                                           | 08/05/21    | ORG                    | cis-1,2-Dichloroethylene              | 0.77                 |
| SE-04                                           | 08/05/21    | FD                     | cis-1,2-Dichloroethylene              | 0.71                 |
| <b>Shallow Zone Horizontal Extraction Wells</b> |             |                        |                                       |                      |
| HEW-01                                          | 02/26/21    | ORG                    | 1,4-Dioxane                           | 1.7                  |
| HEW-01                                          | 06/09/21    | ORG                    | Tetrachloroethylene                   | 10                   |
| HEW-01                                          | 06/09/21    | ORG                    | 1,4-Dioxane                           | 1.9                  |
| HEW-01                                          | 06/09/21    | FD                     | Tetrachloroethylene                   | 9.6 J                |
| HEW-01                                          | 06/09/21    | FD                     | 1,4-Dioxane                           | 1.9                  |
| HEW-01                                          | 08/04/21    | ORG                    | Tetrachloroethylene                   | 10                   |
| HEW-01                                          | 08/04/21    | ORG                    | 1,4-Dioxane                           | 1.8                  |
| HEW-01                                          | 11/16/21    | ORG                    | Tetrachloroethylene                   | 13                   |
| HEW-01                                          | 11/16/21    | ORG                    | 1,4-Dioxane                           | 0.90                 |
| HEW-02                                          | 02/25/21    | ORG                    | 1,4-Dioxane                           | 0.74                 |
| HEW-02                                          | 06/10/21    | ORG                    | 1,4-Dioxane                           | 0.57                 |
| HEW-02                                          | 08/03/21    | ORG                    | Tetrachloroethylene                   | 0.49 J H             |
| HEW-02                                          | 08/03/21    | ORG                    | 1,4-Dioxane                           | 1.1                  |
| HEW-02                                          | 11/16/21    | ORG                    | 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.38 J               |
| HEW-02                                          | 11/16/21    | ORG                    | Tetrachloroethylene                   | 0.44 J               |
| HEW-02                                          | 11/16/21    | ORG                    | 1,4-Dioxane                           | 1.6                  |

**TABLE 3**
**OTHER VOLATILE ORGANIC COMPOUNDS  
IN GROUNDWATER SAMPLES**

| WELL IDENTIFIER                                             | SAMPLE DATE | QUALITY ASSURANCE CODE | COMPOUND                 | CONCENTRATION (ug/l) |
|-------------------------------------------------------------|-------------|------------------------|--------------------------|----------------------|
| <b>Shallow Zone Horizontal Extraction Wells (continued)</b> |             |                        |                          |                      |
| HEW-03                                                      | 02/26/21    | ORG                    | Tetrachloroethylene      | 2.5                  |
| HEW-03                                                      | 06/10/21    | ORG                    | 1,4-Dioxane              | 1.4                  |
| HEW-03                                                      | 06/10/21    | ORG                    | Tetrachloroethylene      | 2.4                  |
| HEW-03                                                      | 11/16/21    | ORG                    | Tetrachloroethylene      | 2.4                  |
| HEW-03                                                      | 11/16/21    | ORG                    | 1,4-Dioxane              | 0.48 J               |
| HEW-03                                                      | 11/16/21    | FD                     | Tetrachloroethylene      | 2.6                  |
| HEW-03                                                      | 11/16/21    | FD                     | 1,4-Dioxane              | 0.43 J               |
|                                                             |             |                        |                          |                      |
| HEW-04                                                      | 02/25/21    | ORG                    | 1,4-Dioxane              | 7.1                  |
| HEW-04                                                      | 02/25/21    | FD                     | 1,4-Dioxane              | 6.7                  |
| HEW-04                                                      | 06/09/21    | ORG                    | Tetrachloroethylene      | 1.3 J                |
| HEW-04                                                      | 06/09/21    | ORG                    | 1,4-Dioxane              | 7.2                  |
| HEW-04                                                      | 08/04/21    | ORG                    | Tetrachloroethylene      | 1.3 J                |
| HEW-04                                                      | 08/04/21    | ORG                    | 1,4-Dioxane              | 6.8                  |
| HEW-04                                                      | 11/16/21    | ORG                    | Tetrachloroethylene      | 1.2 J                |
| HEW-04                                                      | 11/16/21    | ORG                    | 1,4-Dioxane              | 5.2                  |
|                                                             |             |                        |                          |                      |
| HEW-05                                                      | 02/25/21    | ORG                    | cis-1,2-Dichloroethylene | 5.0                  |
| HEW-05                                                      | 06/10/21    | ORG                    | 1,1-Dichloroethylene     | 0.92 J               |
| HEW-05                                                      | 06/10/21    | ORG                    | 1,4-Dioxane              | 1.4                  |
| HEW-05                                                      | 06/10/21    | ORG                    | cis-1,2-Dichloroethylene | 3.9                  |
| HEW-05                                                      | 08/03/21    | ORG                    | cis-1,2-Dichloroethylene | 6.2                  |
| HEW-05                                                      | 08/03/21    | FD                     | cis-1,2-Dichloroethylene | 5.5                  |
| HEW-05                                                      | 08/03/21    | FD                     | Naphthalene              | 0.99 J               |
| HEW-05                                                      | 11/16/21    | ORG                    | cis-1,2-Dichloroethylene | 5.8                  |
| HEW-05                                                      | 11/16/21    | ORG                    | 1,4-Dioxane              | 0.36 J               |
| <b>Upper Unit A Monitor Wells</b>                           |             |                        |                          |                      |
| UA-02                                                       | 08/05/21    | ORG                    | 1,1-Dichloroethylene     | 0.68                 |
|                                                             |             |                        |                          |                      |
| UA-06                                                       | 08/04/21    | ORG                    | Tetrachloroethylene      | 2.7                  |
|                                                             |             |                        |                          |                      |
| UA-07                                                       | 08/04/21    | ORG                    | 1,1-Dichloroethane       | 1.8                  |
|                                                             |             |                        |                          |                      |
| UA-08                                                       | 08/05/21    | ORG                    | Tetrachloroethylene      | 0.30 J               |
|                                                             |             |                        |                          |                      |
| UA-11                                                       | 08/05/21    | ORG                    | Tetrachloroethylene      | 4.4                  |
|                                                             |             |                        |                          |                      |
| UA-12                                                       | 08/05/21    | ORG                    | Tetrachloroethylene      | 0.88                 |

**TABLE 3**
**OTHER VOLATILE ORGANIC COMPOUNDS  
IN GROUNDWATER SAMPLES**

| WELL IDENTIFIER                      | SAMPLE DATE | QUALITY ASSURANCE CODE | COMPOUND                    | CONCENTRATION (ug/l) |
|--------------------------------------|-------------|------------------------|-----------------------------|----------------------|
| <b>Upper Unit A Extraction Wells</b> |             |                        |                             |                      |
| UAX-01                               | 02/25/21    | ORG                    | 1,1-Dichloroethylene        | 1.6                  |
| UAX-01                               | 06/09/21    | ORG                    | 1,1-Dichloroethylene        | 1.3                  |
| UAX-01                               | 06/09/21    | ORG                    | 1,4-Dioxane                 | 0.57                 |
| UAX-01                               | 08/04/21    | ORG                    | 1,1-Dichloroethylene        | 1.3                  |
| UAX-01                               | 11/16/21    | ORG                    | 1,1-Dichloroethylene        | 1.3                  |
| UAX-02                               | 02/25/21    | ORG                    | 1,1-Dichloroethylene        | 3.2                  |
| UAX-02                               | 02/25/21    | ORG                    | 1,4-Dioxane                 | 0.83                 |
| UAX-02                               | 06/10/21    | ORG                    | 1,1-Dichloroethylene        | 3.1                  |
| UAX-02                               | 06/10/21    | ORG                    | 1,4-Dioxane                 | 1.5                  |
| UAX-02                               | 08/04/21    | ORG                    | 1,1-Dichloroethylene        | 3.3                  |
| UAX-02                               | 08/04/21    | ORG                    | 1,4-Dioxane                 | 1.4                  |
| UAX-02                               | 11/16/21    | ORG                    | 1,1-Dichloroethylene        | 3.0                  |
| UAX-02                               | 11/16/21    | ORG                    | 1,4-Dioxane                 | 1.3                  |
| UAX-03                               | 02/25/21    | ORG                    | 1,1-Dichloroethylene        | 0.53                 |
| UAX-03                               | 06/09/21    | ORG                    | 1,1-Dichloroethylene        | 0.53                 |
| UAX-03                               | 08/04/21    | ORG                    | 1,1-Dichloroethylene        | 0.53                 |
| UAX-03                               | 08/04/21    | FD                     | 1,1-Dichloroethylene        | 0.53                 |
| UAX-03                               | 11/16/21    | ORG                    | 1,1-Dichloroethylene        | 0.47 J               |
| UAX-03                               | 11/16/21    | ORG                    | 1,4 Dioxane                 | 0.35 J               |
| <b>Lower Unit A Monitor Wells</b>    |             |                        |                             |                      |
| UA-06D                               | 08/04/21    | ORG                    | Tetrachloroethylene         | 2.1                  |
| UA-07D                               | 08/04/21    | ORG                    | 1,1-Dichloroethane          | 0.39 J               |
| UA-07D                               | 08/04/21    | ORG                    | Tetrachloroethylene         | 0.92                 |
| UA-08D                               | 08/05/21    | ORG                    | Tetrachloroethylene         | 0.47 J               |
| UA-10D                               | 08/05/21    | ORG                    | Tetrachloroethylene         | 10                   |
| UA-11D                               | 08/05/21    | ORG                    | Tetrachloroethylene         | 1.0                  |
| UA-12D                               | 08/05/21    | ORG                    | Tetrachloroethylene         | 0.76                 |
| UA-13D                               | 08/04/21    | ORG                    | Tetrachloroethylene         | 0.38 J               |
| UA-14D                               | 08/05/21    | ORG                    | Tetrachloroethylene         | 26                   |
| UA-16D                               | 08/04/21    | ORG                    | Tetrachloroethylene         | 0.62                 |
| UA-17D                               | 08/04/21    | ORG                    | Methyl-t-Butyl Ether (MTBE) | 1.6                  |

**TABLE 3****OTHER VOLATILE ORGANIC COMPOUNDS  
IN GROUNDWATER SAMPLES**

| WELL IDENTIFIER | SAMPLE<br>DATE | QUALITY<br>ASSURANCE<br>CODE | COMPOUND | CONCENTRATION<br>(ug/l) |
|-----------------|----------------|------------------------------|----------|-------------------------|
|-----------------|----------------|------------------------------|----------|-------------------------|

**FOOTNOTES**

- FD = Field duplicate sample
- ORG = Original sample
- ug/l = Micrograms per liter
- J = Estimated value; detected at less than the Reporting Limit and  
greater than or equal to the Method Detection Limit
- H = Sample was prepped or analyzed beyond the specified holding time



**TABLE 4**

**SYSTEM CALCULATIONS  
SOIL VAPOR EXTRACTION (SVE) SYSTEM**

| Sample Date | Volume Soil Gas Extracted |                    |                |                      | Mass Removed                       |                                       |                          |                             |
|-------------|---------------------------|--------------------|----------------|----------------------|------------------------------------|---------------------------------------|--------------------------|-----------------------------|
|             | Average Flowrate          |                    | Hours Operated | Volume Air Extracted | Monthly Mass of Total VOCs Removed | Cumulative Mass of Total VOCs Removed | Monthly Mass TCE Removed | Cumulative Mass TCE Removed |
|             | scfm                      | m <sup>3</sup> /hr | hr             | m <sup>3</sup>       | lb/month                           | lb                                    | lb/month                 | lb                          |
| 12/03/14    | 60.0                      | 101.9              | 168.4          | 17,166.8             | 1.3                                | 1.3                                   | 1.1                      | 1.1                         |
| 04/30/15    | 60.0                      | 101.9              | 29.9           | 3,048.0              | 1.0                                | 2.4                                   | 0.9                      | 2.0                         |
| 05/14/15    | 67.0                      | 113.8              | 696.6          | 79,296.5             | 25.0                               | 27.4                                  | 22.5                     | 24.5                        |
| 06/25/15    | 25.0                      | 42.5               | 683.5          | 29,031.8             | 21.6                               | 48.9                                  | 19.9                     | 44.4                        |
| 07/23/15    | 25.0                      | 42.5               | 669.0          | 28,415.9             | 13.6                               | 62.6                                  | 12.4                     | 56.9                        |
| 11/12/15    | 128.1                     | 217.7              | 340.0          | 74,023.4             | 36.7                               | 99.2                                  | 34.2                     | 91.0                        |
| 12/17/15    | 141.6                     | 240.6              | 517.0          | 124,379.8            | 24.3                               | 123.5                                 | 23.6                     | 114.6                       |
| 01/21/16    | 141.0                     | 239.6              | 168.4          | 40,342.0             | 2.5                                | 126.0                                 | 2.3                      | 116.9                       |
| 02/18/16    | 96.0                      | 163.1              | 390.6          | 63,708.8             | 3.2                                | 129.2                                 | 3.0                      | 120.0                       |
| 03/17/16    | 113.2                     | 192.3              | 583.1          | 112,113.4            | 5.6                                | 134.8                                 | 5.2                      | 125.1                       |
| 04/21/16    | 150.0                     | 254.9              | 669.4          | 170,597.6            | 10.1                               | 144.9                                 | 9.5                      | 134.6                       |
| 05/19/16    | 166.8                     | 283.3              | 668.2          | 189,307.7            | 6.7                                | 151.6                                 | 6.5                      | 141.1                       |
| 06/23/16    | 133.4                     | 226.6              | 509.7          | 115,522.5            | 3.4                                | 154.9                                 | 3.3                      | 144.4                       |
| 07/21/16    | 159.0                     | 270.1              | 673.6          | 181,968.0            | 3.4                                | 158.3                                 | 3.2                      | 147.6                       |
| 08/18/16    | 153.8                     | 261.2              | 671.3          | 175,358.9            | 3.8                                | 162.1                                 | 3.5                      | 151.2                       |
| 09/15/16    | 150.0                     | 254.9              | 672.6          | 171,413.1            | 2.9                                | 165.0                                 | 2.8                      | 154.0                       |
| 10/06/16    | 151.8                     | 257.8              | 188.0          | 48,471.1             | 3.7                                | 168.7                                 | 0.6                      | 154.6                       |
| 11/17/16    | 155.5                     | 264.2              | 458.0          | 121,001.8            | 2.3                                | 171.0                                 | 2.1                      | 156.8                       |
| 12/08/16    | 139.8                     | 237.5              | 887.0          | 210,681.7            | 2.1                                | 173.1                                 | 1.9                      | 158.7                       |
| 01/19/17    | 142.5                     | 242.1              | 528.0          | 127,833.5            | 1.3                                | 174.3                                 | 1.2                      | 159.9                       |
| 02/09/17    | 147.5                     | 250.6              | 490.0          | 122,795.9            | 1.5                                | 175.9                                 | 1.5                      | 161.3                       |
| 03/09/17    | 141.4                     | 240.2              | 683.0          | 164,083.9            | 1.7                                | 177.5                                 | 1.6                      | 162.9                       |
| 04/13/17    | 137.5                     | 233.6              | 694.0          | 162,128.0            | 2.0                                | 179.5                                 | 1.9                      | 164.9                       |
| 05/18/17    | 141.3                     | 240.0              | 672.0          | 161,270.0            | 1.8                                | 181.3                                 | 1.7                      | 166.6                       |
| 06/15/17    | 141.0                     | 239.6              | 846.0          | 202,668.1            | 2.0                                | 183.3                                 | 1.9                      | 168.5                       |
| 07/27/17    | 150.0                     | 254.9              | 164.4          | 41,897.6             | 0.7                                | 184.0                                 | 0.6                      | 169.2                       |
| 08/09/17    | 133.0                     | 226.0              | 835.5          | 188,796.5            | 1.4                                | 185.5                                 | 1.3                      | 170.5                       |
| 09/20/17    | 130.0                     | 220.9              | 600.2          | 132,567.0            | 1.2                                | 186.6                                 | 1.1                      | 171.6                       |
| 10/19/17    | 130.0                     | 220.9              | 717.9          | 158,563.5            | 1.4                                | 188.0                                 | 1.3                      | 172.9                       |
| 11/16/17    | 128.0                     | 217.5              | 750.0          | 163,105.0            | 0.7                                | 188.7                                 | 0.6                      | 173.5                       |
| 12/14/17    | 113.0                     | 192.0              | 542.2          | 104,096.0            | 0.5                                | 189.2                                 | 0.4                      | 173.9                       |
| 01/18/18    | 125.0                     | 212.4              | 664.8          | 141,187.7            | 0.6                                | 189.7                                 | 0.5                      | 174.5                       |
| 02/15/18    | 99.5                      | 169.1              | 499.0          | 84,356.7             | 0.3                                | 190.0                                 | 0.3                      | 174.7                       |
| 03/22/18    | 97.8                      | 166.2              | 665.9          | 110,648.1            | 0.4                                | 190.5                                 | 0.4                      | 175.1                       |
| 04/12/18    | 108.0                     | 183.5              | 683.0          | 125,325.8            | 0.6                                | 191.1                                 | 0.6                      | 175.7                       |
| 05/10/18    | 112.0                     | 190.3              | 688.5          | 131,014.1            | 0.6                                | 191.7                                 | 0.6                      | 176.3                       |
| 06/14/18    | 103.8                     | 176.3              | 670.5          | 118,190.6            | 0.4                                | 192.1                                 | 0.4                      | 176.6                       |
| 07/12/18    | 102.6                     | 174.3              | 604.5          | 105,375.5            | 0.4                                | 192.5                                 | 0.4                      | 177.0                       |
| 08/09/18    | 99.0                      | 168.2              | 843.5          | 141,878.4            | 0.5                                | 193.0                                 | 0.5                      | 177.5                       |
| 09/20/18    | 98.6                      | 167.5              | 667.0          | 111,737.4            | 0.5                                | 193.5                                 | 0.5                      | 178.0                       |
| 10/11/18    | 106.6                     | 181.1              | 671.0          | 121,527.8            | 0.5                                | 194.0                                 | 0.5                      | 178.5                       |
| 11/01/18    | 99.7                      | 169.3              | 830.7          | 140,666.3            | 0.5                                | 194.6                                 | 0.5                      | 179.0                       |
| 12/06/18    | 98.6                      | 167.5              | 654.4          | 109,626.6            | 0.2                                | 194.8                                 | 0.2                      | 179.2                       |
| 01/03/19    | 106.5                     | 180.9              | 616.8          | 111,606.6            | 0.2                                | 195.0                                 | 0.2                      | 179.4                       |
| 02/14/19    | 98.5                      | 167.4              | 551.1          | 92,228.0             | 0.2                                | 195.2                                 | 0.2                      | 179.6                       |
| 03/14/19    | 91.0                      | 154.6              | 531.5          | 82,175.2             | 0.3                                | 195.4                                 | 0.2                      | 179.8                       |
| 04/25/19    | 104.0                     | 176.7              | 649.0          | 114,676.4            | 0.5                                | 196.0                                 | 0.5                      | 180.3                       |
| 05/16/19    | 121.4                     | 206.3              | 842.2          | 173,712.0            | 0.9                                | 196.9                                 | 0.9                      | 181.2                       |
| 06/20/19    | 111.0                     | 188.6              | 669.0          | 126,166.8            | 0.6                                | 197.5                                 | 0.6                      | 181.8                       |
| 07/11/19    | 107.0                     | 181.8              | 672.9          | 122,329.2            | 0.7                                | 198.2                                 | 0.7                      | 182.5                       |
| 08/08/19    | 109.4                     | 185.9              | 839.7          | 156,076.5            | 0.7                                | 198.9                                 | 0.7                      | 183.1                       |
| 09/12/19    | 109.5                     | 186.0              | 665.6          | 123,829.3            | 0.5                                | 199.4                                 | 0.5                      | 183.6                       |
| 10/17/19    | 107.2                     | 182.1              | 838.2          | 152,664.6            | 0.6                                | 199.9                                 | 0.5                      | 184.1                       |
| 11/14/19    | 102.5                     | 174.1              | 629.9          | 109,696.2            | 0.3                                | 200.2                                 | 0.2                      | 184.4                       |
| 12/12/19    | 104.0                     | 176.7              | 370.5          | 65,466.3             | 0.2                                | 200.4                                 | 0.2                      | 184.6                       |

**TABLE 4**

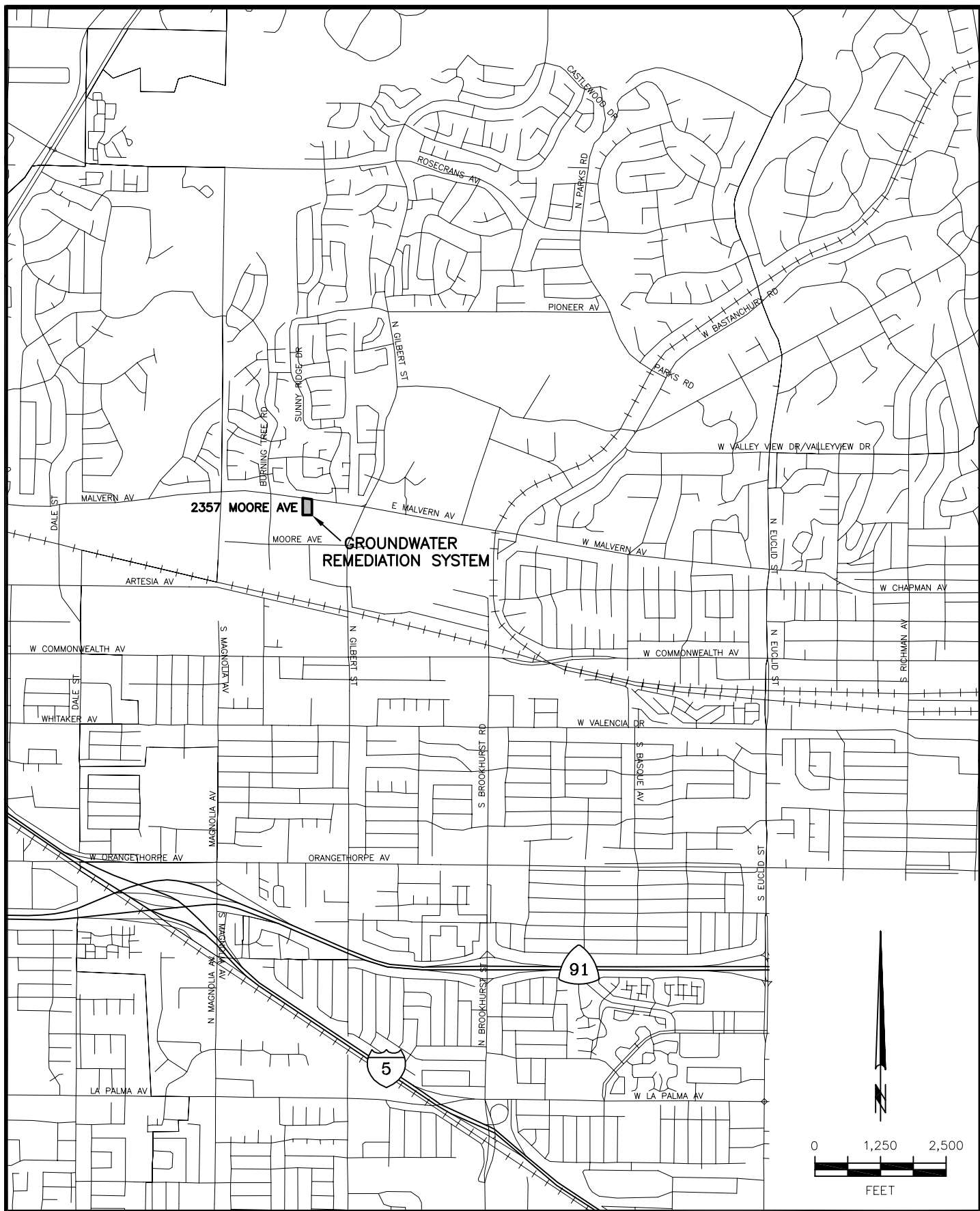
**SYSTEM CALCULATIONS  
SOIL VAPOR EXTRACTION (SVE) SYSTEM**

| Sample Date | Volume Soil Gas Extracted |                    |                |                      | Mass Removed                       |                                       |                          |                             |
|-------------|---------------------------|--------------------|----------------|----------------------|------------------------------------|---------------------------------------|--------------------------|-----------------------------|
|             | Average Flowrate          |                    | Hours Operated | Volume Air Extracted | Monthly Mass of Total VOCs Removed | Cumulative Mass of Total VOCs Removed | Monthly Mass TCE Removed | Cumulative Mass TCE Removed |
|             | scfm                      | m <sup>3</sup> /hr | hr             | m <sup>3</sup>       | lb/month                           | lb                                    | lb/month                 | lb                          |
| 01/16/20    | 100.0                     | 169.9              | 810.9          | 137,772.7            | 0.2                                | 200.6                                 | 0.2                      | 184.7                       |
| 02/13/20    | 98.0                      | 166.5              | 575.9          | 95,889.1             | 0.2                                | 200.8                                 | 0.2                      | 184.9                       |
| 03/19/20    | 102.3                     | 173.9              | 476.3          | 82,812.1             | 0.3                                | 201.1                                 | 0.3                      | 185.2                       |
| 04/02/20    | 101.4                     | 172.3              | 841.6          | 144,990.5            | 0.4                                | 201.5                                 | 0.4                      | 185.6                       |
| 05/14/20    | 101.8                     | 172.9              | 670.4          | 115,894.9            | 0.4                                | 201.8                                 | 0.4                      | 185.9                       |
| 06/04/20    | 101.8                     | 172.9              | 671.8          | 116,136.9            | 0.3                                | 202.2                                 | 0.3                      | 186.2                       |
| 07/09/20    | 101.2                     | 171.9              | 836.0          | 143,741.7            | 0.5                                | 202.6                                 | 0.4                      | 186.7                       |
| 08/06/20    | 101.3                     | 172.0              | 672.7          | 115,721.1            | 0.4                                | 203.0                                 | 0.4                      | 187.0                       |
| 09/10/20    | 102.0                     | 173.3              | 605.0          | 104,845.9            | 0.4                                | 203.4                                 | 0.4                      | 187.4                       |
| 10/08/20    | 100.6                     | 170.9              | 840.0          | 143,573.1            | 0.5                                | 204.0                                 | 0.5                      | 187.9                       |
| 11/05/20    | 94.0                      | 159.7              | 768.9          | 122,798.7            | 0.4                                | 204.4                                 | 0.4                      | 188.3                       |
| 12/10/20    | 101.4                     | 172.3              | 632.9          | 109,035.8            | 0.3                                | 204.6                                 | 0.2                      | 188.5                       |
| 01/14/21    | 105.8                     | 179.8              | 744.8          | 133,881.7            | 0.4                                | 205.0                                 | 0.4                      | 188.9                       |
| 02/11/21    | 105.0                     | 178.4              | 667.7          | 119,115.0            | 0.3                                | 205.3                                 | 0.3                      | 189.2                       |
| 03/11/21    | 106.8                     | 181.4              | 670.0          | 121,517.4            | 0.4                                | 205.7                                 | 0.4                      | 189.6                       |
| 04/15/21    | 106.4                     | 180.8              | 839.0          | 151,669.9            | 0.4                                | 206.1                                 | 0.4                      | 190.0                       |
| 05/13/21    | 107.5                     | 182.6              | 659.3          | 120,416.9            | 0.3                                | 206.4                                 | 0.3                      | 190.2                       |
| 06/10/21    | 106.0                     | 180.1              | 668.6          | 120,411.6            | 0.3                                | 206.7                                 | 0.3                      | 190.5                       |
| 07/08/21    | 105.2                     | 178.7              | 840.7          | 150,263.2            | 0.3                                | 207.0                                 | 0.3                      | 190.8                       |
| 08/12/21    | 105.8                     | 179.7              | 671.0          | 120,558.8            | 0.3                                | 207.3                                 | 0.3                      | 191.1                       |
| 09/09/21    | 104.8                     | 178.1              | 838.7          | 149,335.8            | 0.3                                | 207.6                                 | 0.3                      | 191.4                       |
| 10/14/21    | 105.2                     | 178.7              | 655.6          | 117,179.2            | 0.2                                | 207.9                                 | 0.2                      | 191.6                       |
| 11/11/21    | 106.6                     | 181.1              | 795.4          | 144,058.4            | 0.3                                | 208.1                                 | 0.2                      | 191.9                       |
| 12/09/21    | 105.2                     | 178.7              | 665.3          | 118,913.0            | 0.2                                | 208.3                                 | 0.2                      | 192.0                       |

**FOOTNOTES**

scfm = Standard cubic feet per minute  
m<sup>3</sup>/hr = Cubic meter per hour  
lb = Pound  
VOCs = Volatile organic compounds  
TCE = Trichloroethylene

## FIGURES

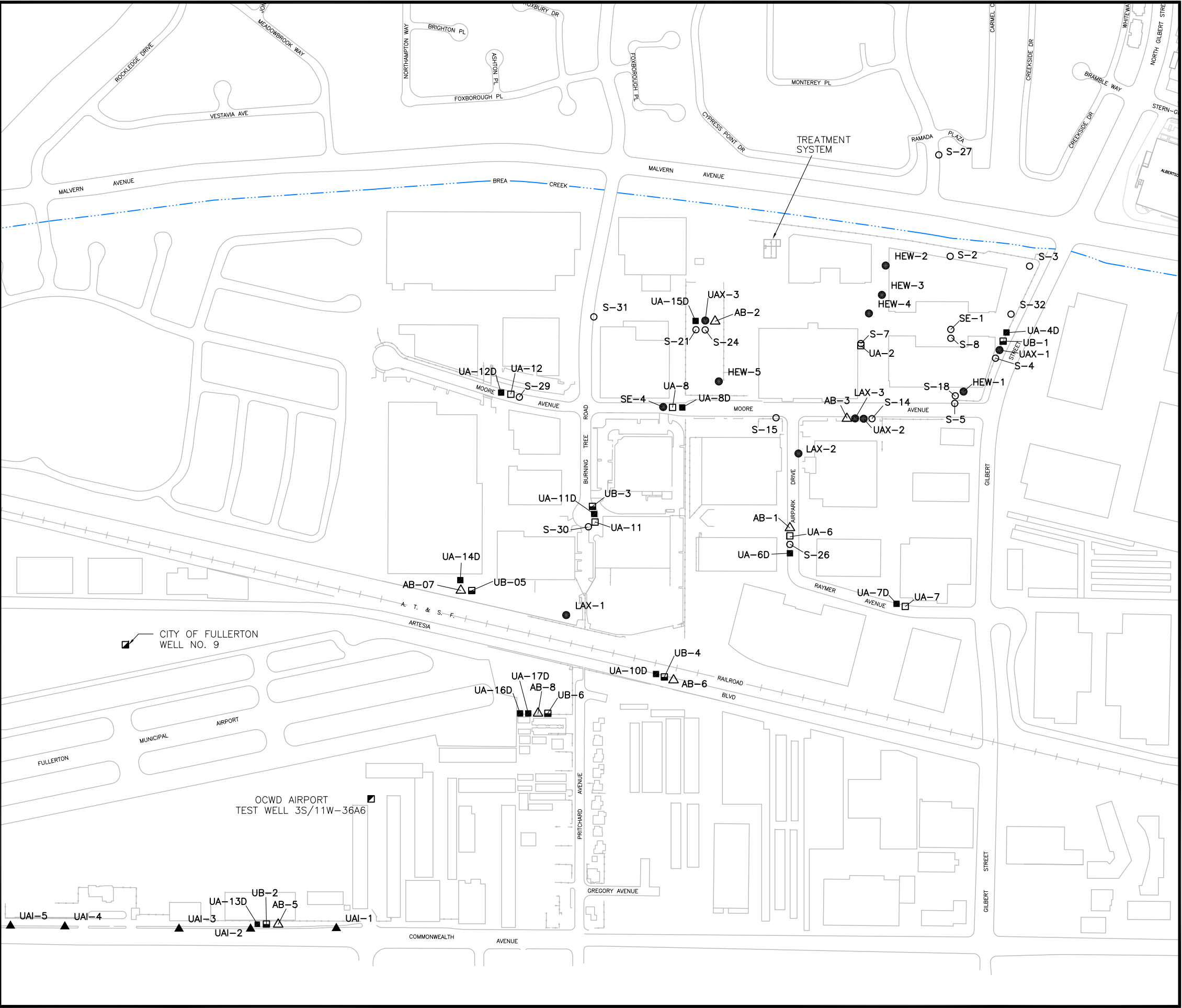


**HARGIS + ASSOCIATES, INC.**  
Hydrogeology/Engineering

|       |                |          |   |
|-------|----------------|----------|---|
| 11/05 | RPT NO. 764.11 | 410-5066 | B |
|-------|----------------|----------|---|

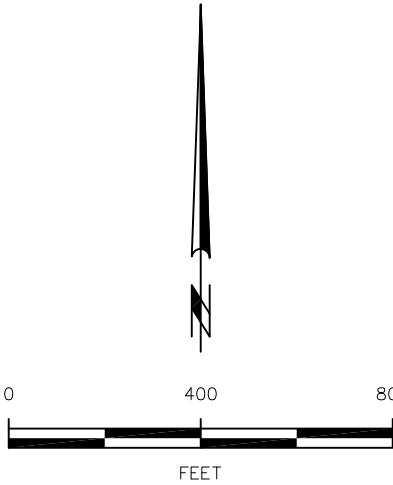
**FIGURE 1. SITE LOCATION**

Mar 13, 2020 - 1:02pm ADH - \\SANDIEGO-FS01\dfs\sandiego\H+A\GRAPHIC-FILES\2020\700-799\764 Raytheon\Hydrogeology\H+A Basemaps\410-10217.dwg



EXPLANATION

- S-29 APPROXIMATE LOCATION OF SHALLOW ZONE MONITOR WELL
- HEW-1 APPROXIMATE LOCATION OF EXTRACTION WELL FOR REMEDIATION SYSTEM
- UA-12 APPROXIMATE LOCATION OF UPPER UNIT A MONITOR WELL
- UA-12D APPROXIMATE LOCATION OF LOWER UNIT A MONITOR WELL
- ▲ UAI-2 APPROXIMATE LOCATION OF UNIT A INJECTION WELL
- △ AB-7 APPROXIMATE LOCATION OF A/B AQUITARD MONITOR WELL
- UB-3 APPROXIMATE LOCATION OF UNIT B MONITOR WELL
- CITY OF FULLERTON WELL No.9 APPROXIMATE LOCATION OF CITY OF FULLERTON PRODUCTION WELL
- OCWD TEST WELL 3S/11W-36A6 APPROXIMATE LOCATION OF ORANGE COUNTY WATER DISTRICT TEST WELL
- AT & SF RAILROAD



RAYTHEON COMPANY  
FULLERTON, CALIFORNIA

WELL LOCATIONS

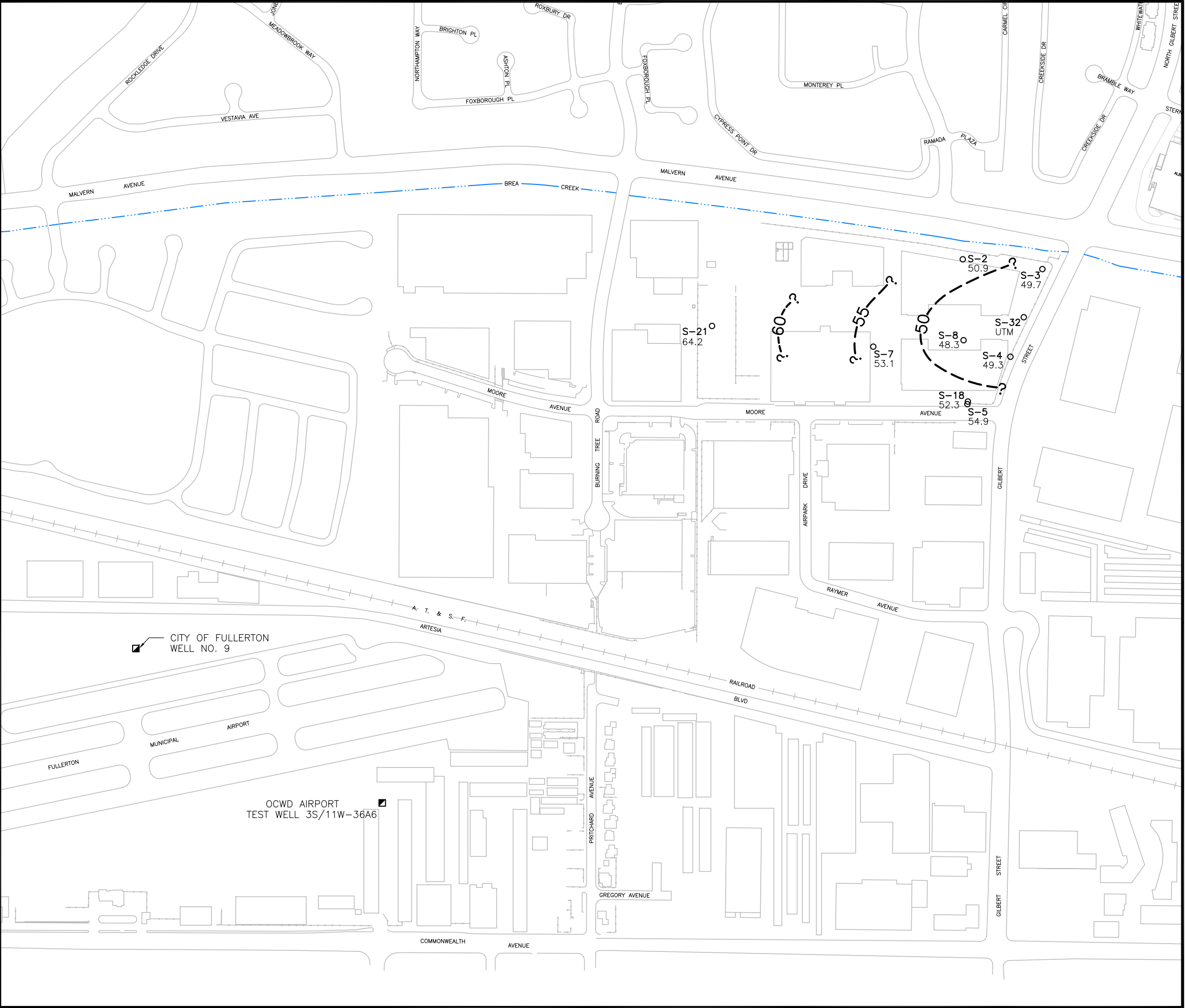
 HARGIS+ASSOCIATES, INC.  
Hydrogeology/Engineering

03/20

FIGURE 2

PREP BY TJE REV BY KRP RPT NO. 764.11 410-10217 A

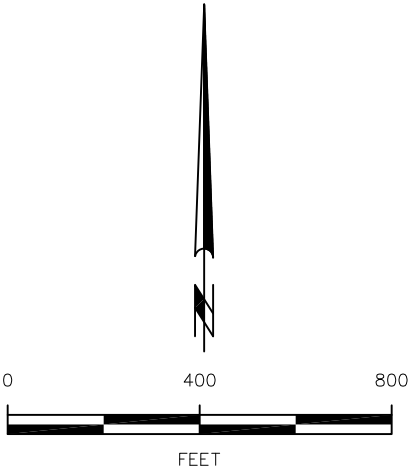
Mar 22, 2022 - 10:08am ESS - T: \2022\700-799\764 Raytheon\Hydrogeology\Water Lvl\220-2569.dwg



EXPLANATION

- S-7 APPROXIMATE LOCATION OF SHALLOW ZONE WATER TABLE MONITOR WELL
- CITY OF FULLERTON WELL No.9 APPROXIMATE LOCATION OF CITY OF FULLERTON PRODUCTION WELL
- OCWD TEST WELL 3S/11W-36A6 APPROXIMATE LOCATION OF ORANGE COUNTY WATER DISTRICT TEST WELL
- S-2 50.9 WATER LEVEL ELEVATION IN FEET MEAN SEA LEVEL
- UTM UNABLE TO MEASURE
- AT & SF RAILROAD

? — 50 — — — ?  
CONTOUR LINE OF EQUAL WATER LEVEL ELEVATION IN FEET MEAN SEA LEVEL  
DASHED WHERE APPROXIMATE, QUERIED WHERE INFERRED  
NOTE: WATER LEVELS MEASURED AUGUST 3, 2021



RAYTHEON COMPANY  
FULLERTON, CALIFORNIA

**WATER LEVEL ELEVATIONS  
SHALLOW ZONE WATER TABLE  
AUGUST 2021**

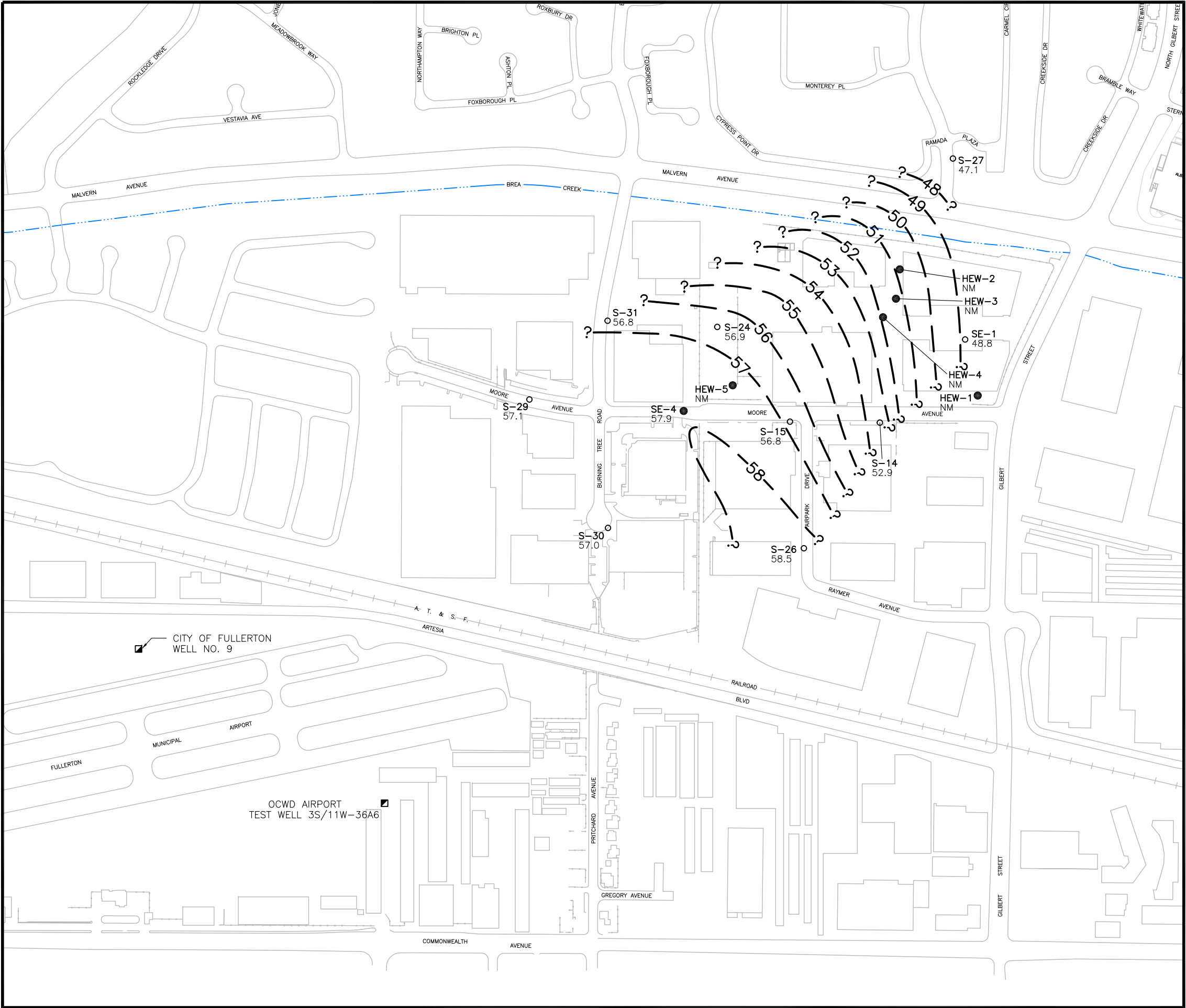
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FIGURE 3

PREP BY RA REV BY DJS RPT NO. 764.11 220-2569 A

Mar 22, 2022 - 10:08am ESS - T: \2022\700-799\764 Raytheon\Hydrogeology\Water Lvl\220-2570.dwg



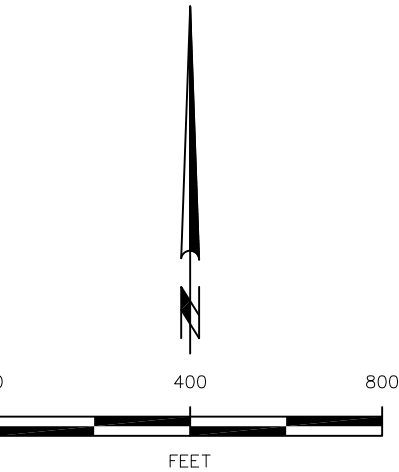
EXPLANATION

- S-29 ○ APPROXIMATE LOCATION OF DEEPER SHALLOW ZONE MONITOR WELL
- HEW-1 ● APPROXIMATE LOCATION OF SHALLOW ZONE HORIZONTAL EXTRACTION WELL
- CITY OF FULLERTON  
■ WELL No.9 APPROXIMATE LOCATION OF CITY OF FULLERTON PRODUCTION WELL
- OCWD TEST WELL  
■ 3S/11W-36A6 APPROXIMATE LOCATION OF ORANGE COUNTY WATER DISTRICT TEST WELL
- S-27 ○ 47.1 WATER LEVEL ELEVATION IN FEET MEAN SEA LEVEL
- NM NOT MEASURED
- AT & SF RAILROAD

? ————— 50 — — — — ?

CONTOUR LINE OF EQUAL WATER LEVEL  
ELEVATION IN FEET MEAN SEA LEVEL DASHED WHERE  
APPROXIMATE, QUERIED WHERE INFERRED

NOTE: WATER LEVELS MEASURED AUGUST 3, 2021



RAYTHEON COMPANY

FULLERTON, CALIFORNIA

WATER LEVEL ELEVATIONS  
DEEPER SHALLOW ZONE  
AUGUST 2021

 HARGIS+ASSOCIATES, INC.  
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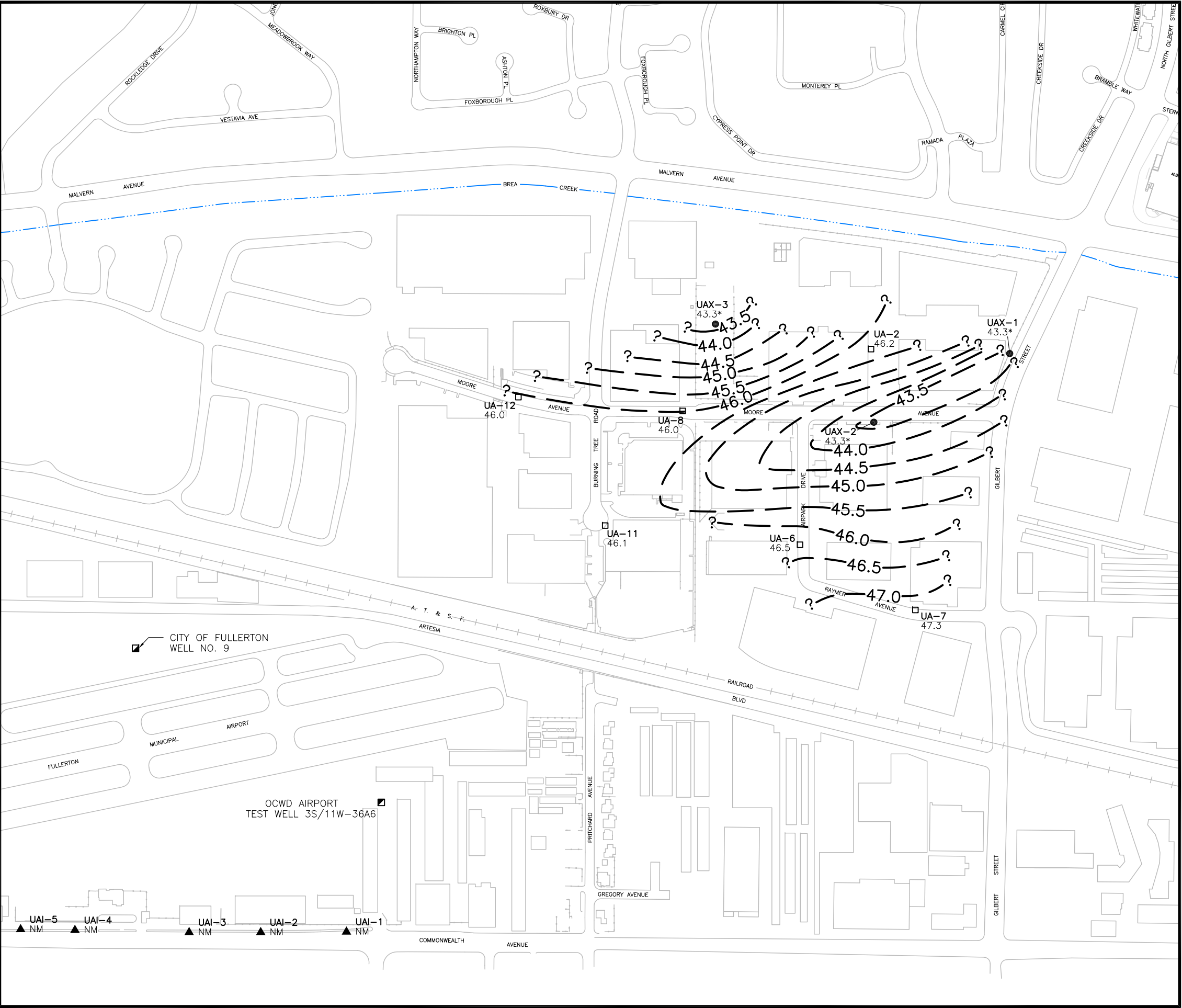
03/22

FIGURE 4

PREP BY RA REV BY DJS RPT NO. 764.11 220-2570 A



Mar 22, 2022 - 10:09am ESS - T: \2022\700-799\764 Raytheon\Hydrogeology\Water Lvl\220-2571.dwg



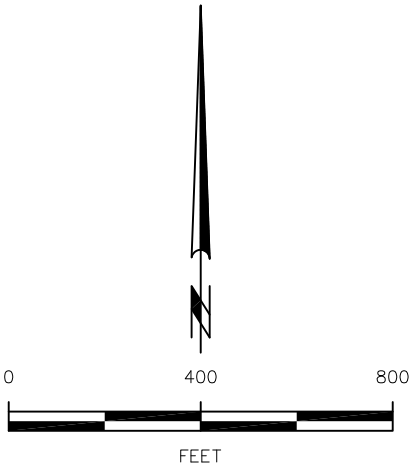
EXPLANATION

- UA-12 APPROXIMATE LOCATION OF UPPER UNIT A MONITOR WELL
- UAX-3 APPROXIMATE LOCATION OF UPPER UNIT A EXTRACTION WELL
- UAI-2 APPROXIMATE LOCATION OF UNIT A INJECTION WELL
- CITY OF FULLERTON WELL No.9 APPROXIMATE LOCATION OF CITY OF FULLERTON PRODUCTION WELL
- OCWD TEST WELL 3S/11W-36A6 APPROXIMATE LOCATION OF ORANGE COUNTY WATER DISTRICT TEST WELL
- UA-12 46.0 WATER LEVEL ELEVATION IN FEET MEAN SEA LEVEL
- 43.3\* WATER LEVEL ELEVATION ESTIMATED
- NM NOT MEASURED
- AT & SF RAILROAD

? ————— 46.0 — — — — ?

CONTOUR LINE OF EQUAL WATER LEVEL ELEVATION IN FEET MEAN SEA LEVEL DASHED WHERE APPROXIMATE, QUERIED WHERE INFERRED

NOTE: WATER LEVELS MEASURED AUGUST 3, 2021



RAYTHEON COMPANY  
FULLERTON, CALIFORNIA

WATER LEVEL ELEVATIONS  
UPPER UNIT A  
AUGUST 2021

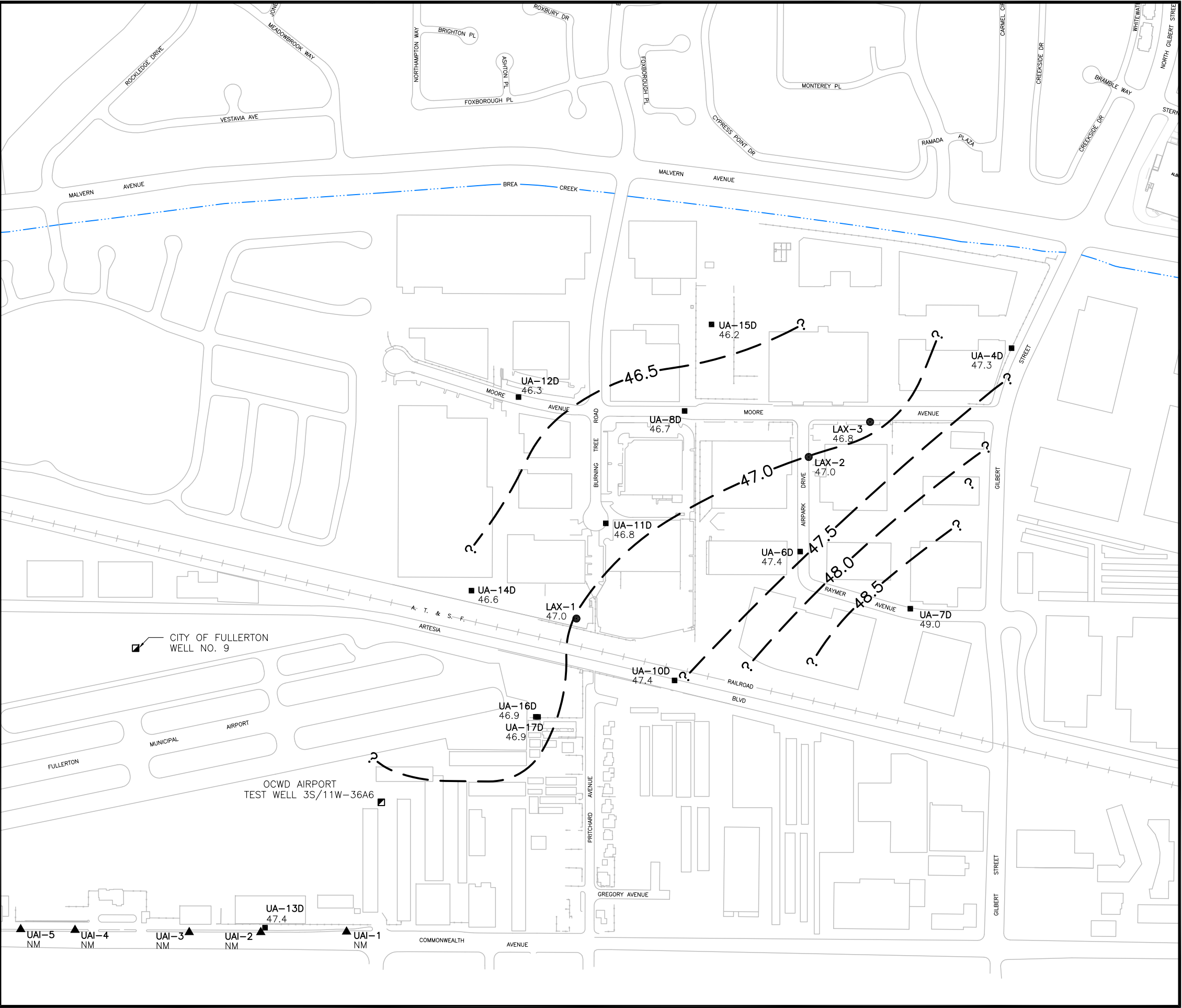


03/22

FIGURE 5



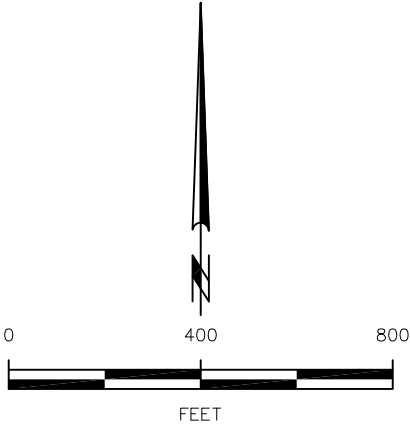
Mar 22, 2022 - 10:10am ESS - T: \2022\700-799\764 Raytheon\Hydrogeology\Water Lv\220-2572.dwg



EXPLANATION

- UA-6D APPROXIMATE LOCATION OF LOWER UNIT A MONITOR WELL
- ▲ UAI-2 APPROXIMATE LOCATION OF UNIT A INJECTION WELL
- LAX-2 APPROXIMATE LOCATION OF LOWER UNIT A EXTRACTION WELL
- CITY OF FULLERTON WELL No.9 APPROXIMATE LOCATION OF CITY OF FULLERTON PRODUCTION WELL
- OCWD TEST WELL 3S/11W-36A6 APPROXIMATE LOCATION OF ORANGE COUNTY WATER DISTRICT TEST WELL
- UA-6D 47.4 WATER LEVEL ELEVATION IN FEET MEAN SEA LEVEL
- AT & SF RAILROAD
- ? — 47.0 — — — ? CONTOUR LINE OF EQUAL WATER LEVEL ELEVATION IN FEET MEAN SEA LEVEL DASHED WHERE APPROXIMATE, QUERIED WHERE INFERRED

NOTE: WATER LEVELS MEASURED AUGUST 3, 2021



RAYTHEON COMPANY  
FULLERTON, CALIFORNIA

WATER LEVEL ELEVATIONS  
LOWER UNIT A  
AUGUST 2021

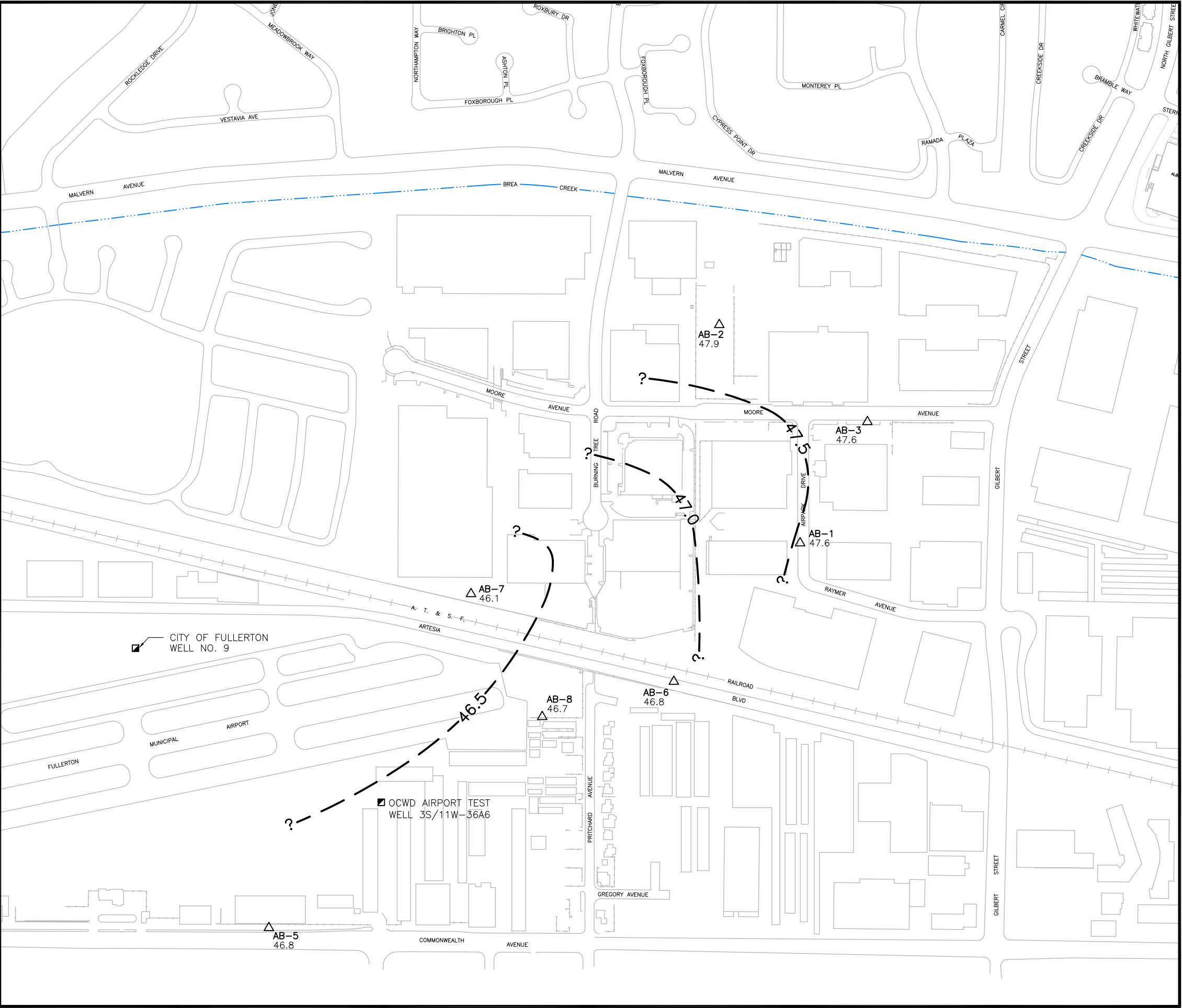


03/22

FIGURE 6

PREP BY RA REV BY DJS RPT NO. 764.11 220-2572 A

Mar 22, 2022 - 10:11am ESS - T: 2022\700-799\764 Raytheon\Hydrogeology\Water Lvl\220-2573.dwg



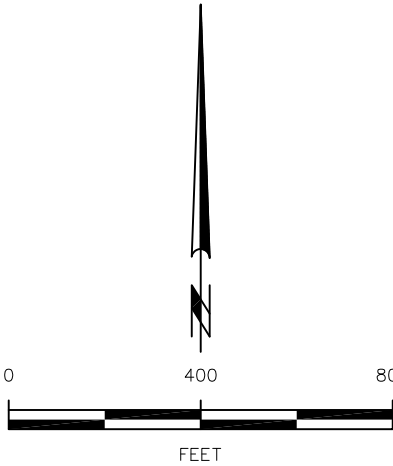
EXPLANATION

- △ AB-7 APPROXIMATE LOCATION OF A/B AQUITARD MONITOR WELL
- CITY OF FULLERTON APPROXIMATE LOCATION OF CITY OF FULLERTON PRODUCTION WELL
- WELL No.9
- OCWD TEST WELL APPROXIMATE LOCATION OF ORANGE COUNTY WATER DISTRICT TEST WELL
- 3S/11W-36A6
- △ AB-1 WATER LEVEL ELEVATION IN FEET
- △ 47.6 MEAN SEA LEVEL
- AT & SF RAILROAD

? ————— 47.0 — — — — ?

CONTOUR LINE OF EQUAL WATER LEVEL ELEVATION IN FEET MEAN SEA LEVEL DASHED WHERE APPROXIMATE, QUERIED WHERE INFERRED

NOTE: WATER LEVELS MEASURED AUGUST 3, 2021



RAYTHEON COMPANY  
FULLERTON, CALIFORNIA

WATER LEVEL ELEVATIONS  
A/B AQUITARD  
AUGUST 2021

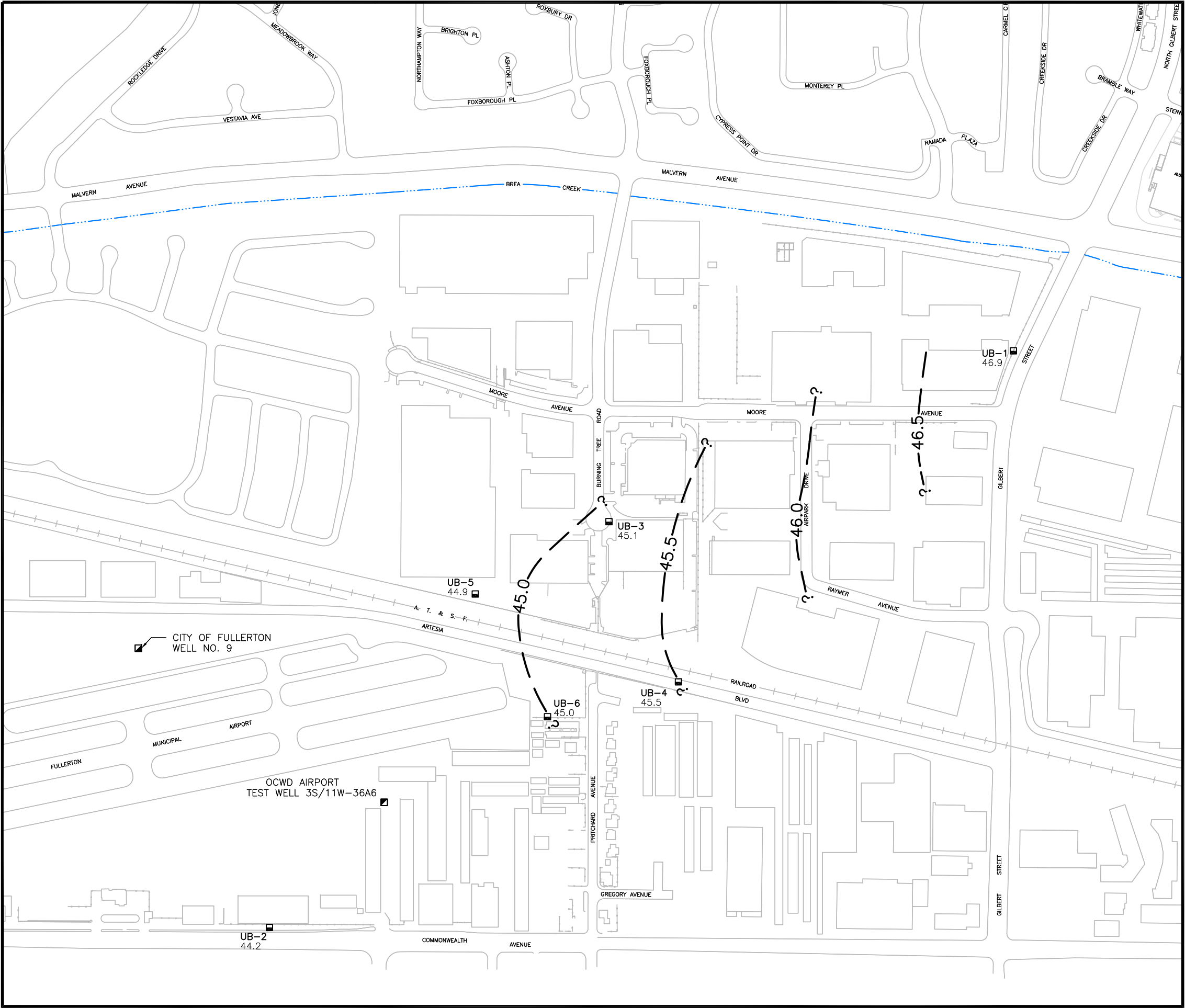


03/22

FIGURE 7

PREP BY RA REV BY DJS RPT NO. 764.11 220-2573 A

Mar 22, 2022 - 10:12am ESS - T: \2022\700-799\764 Raytheon\Hydrogeology\Water Lvl\220-2574.dwg



EXPLANATION

- UB-3 APPROXIMATE LOCATION OF UNIT B MONITOR WELL
- CITY OF FULLERTON WELL No.9 APPROXIMATE LOCATION OF CITY OF FULLERTON PRODUCTION WELL
- OCWD TEST WELL 3S/11W-36A6 APPROXIMATE LOCATION OF ORANGE COUNTY WATER DISTRICT TEST WELL
- UB-1 WATER LEVEL ELEVATION IN FEET MEAN SEA LEVEL
- 46.9
- AT & SF RAILROAD

? ——— 46.0 ——— ?

CONTOUR LINE OF EQUAL WATER LEVEL ELEVATION IN FEET MEAN SEA LEVEL DASHED WHERE APPROXIMATE, QUERIED WHERE INFERRED

NOTE: WATER LEVELS MEASURED AUGUST 3, 2021

RAYTHEON COMPANY  
FULLERTON, CALIFORNIA

**WATER LEVEL ELEVATIONS  
UNIT B  
AUGUST 2021**

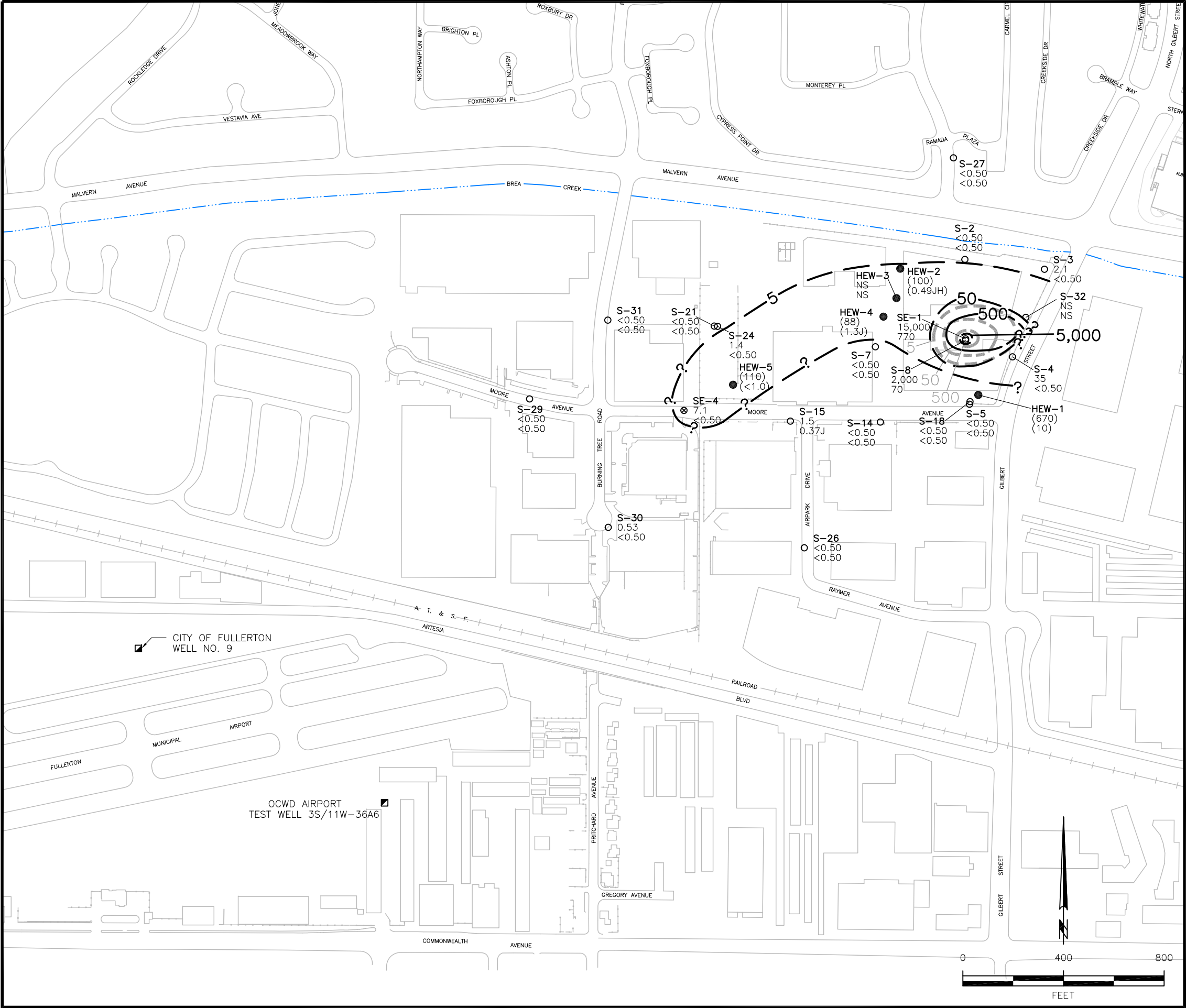
 **HARGIS+ASSOCIATES, INC.**  
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FIGURE 8

PREP BY RA REV BY ANW RPT NO. 764.11 220-2574 A

Mar 22, 2022 - 10:13am ESS - I: \2022\700-799\764 Raytheon\Hydrogeology\Water Qual\210-5307.dwg



EXPLANATION

- S-29 ○ APPROXIMATE LOCATION OF SHALLOW ZONE MONITOR WELL
- SE-4 ⊗ APPROXIMATE LOCATION OF SHALLOW ZONE EXTRACTION WELL
- HEW-2 ● APPROXIMATE LOCATION OF SHALLOW ZONE HORIZONTAL EXTRACTION WELL
- (110) CONCENTRATION NOT CONTOURED
- CITY OF FULLERTON APPROXIMATE LOCATION OF CITY OF FULLERTON PRODUCTION WELL
- WELL No.9
- OCWD TEST WELL APPROXIMATE LOCATION OF ORANGE COUNTY WATER DISTRICT TEST WELL
- 3S/11W-36A6
- NS NOT SAMPLED
- SE-1 CONCENTRATION OF TRICHLOROETHYLENE (TCE) IN MICROGRAMS PER LITER (ug/l)
- 15,000
- 770 CONCENTRATION OF TETRACHLOROETHYLENE (PCE) IN MICROGRAMS PER LITER (ug/l)
- < LESS THAN; NUMERICAL VALUE IS THE REPORTING LIMIT FOR THE SPECIFIED ANALYSIS
- J ESTIMATED CONCENTRATION
- H SAMPLE WAS ANALYZED BEYOND THE SPECIFIC HOLDING TIME
- AT & SF RAILROAD
- ? — — — — 50 — — — — ? CONTOUR LINE OF EQUAL CONCENTRATION OF TCE IN ug/l  
DASHED WHERE APPROXIMATE, QUERIED WHERE INFERRED
- ? — — — — 5 — — — — ? CONTOUR LINE OF EQUAL CONCENTRATION OF PCE IN ug/l  
DASHED WHERE APPROXIMATE, QUERIED WHERE INFERRED
- NOTE: GROUNDWATER SAMPLES COLLECTED AUGUST 2021  
ANALYSES PERFORMED BY EUROFINS CALSCIENCE, INC.  
GARDEN GROVE, CALIFORNIA

RAYTHEON COMPANY  
FULLERTON, CALIFORNIA

**TRICHLOROETHYLENE AND  
TETRACHLOROETHYLENE  
SHALLOW ZONE, AUGUST 2021**



HARGIS+ASSOCIATES, INC.  
Hydrogeology/Engineering

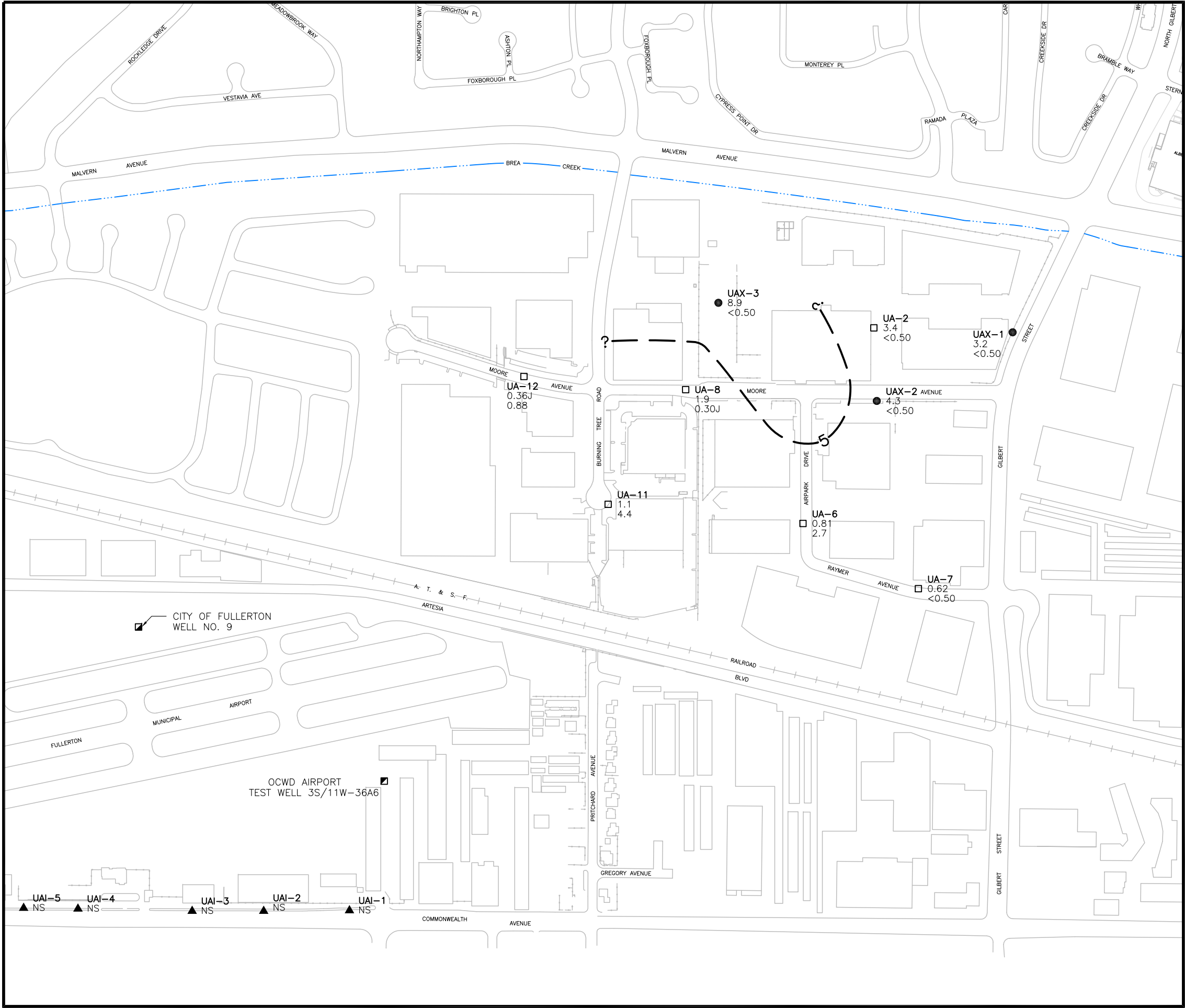
03/22

FIGURE 9

PREP BY RA REV BY ANW RPT NO. 764.11 210-5307 A



Sep 08, 2021 -- 2:16pm ESS -- T:\2021\700-799\764 Roytheon\Hydrogeology\Water Qual\210-5270.dwg

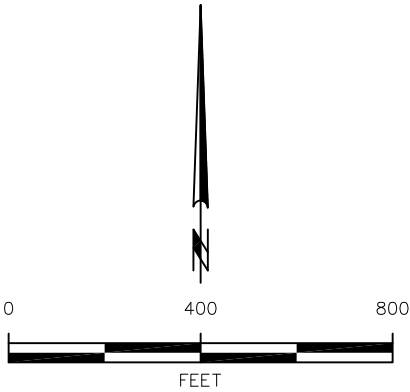


EXPLANATION

- UA-12 APPROXIMATE LOCATION OF UPPER UNIT A MONITOR WELL
- UAX-3 APPROXIMATE LOCATION OF UPPER UNIT A EXTRACTION WELL
- UAI-2 APPROXIMATE LOCATION OF UNIT A INJECTION WELL
- CITY OF FULLERTON WELL No.9 APPROXIMATE LOCATION OF CITY OF FULLERTON PRODUCTION WELL
- OCWD TEST WELL 3S/11W-36A6 APPROXIMATE LOCATION OF ORANGE COUNTY WATER DISTRICT TEST WELL
- UA-2 3.4 CONCENTRATION OF TRICHLOROETHYLENE (TCE) IN MICROGRAMS PER LITER (ug/l)
- <0.50 CONCENTRATION OF TETRACHLOROETHYLENE (PCE) IN MICROGRAMS PER LITER (ug/l)
- < LESS THAN; NUMERICAL VALUE IS THE REPORTING LIMIT FOR THE SPECIFIED ANALYSIS
- J ESTIMATED CONCENTRATION
- NS NOT SAMPLED
- AT & SF RAILROAD

? 5 ?  
CONTOUR LINE OF EQUAL CONCENTRATION OF TCE IN ug/l  
DASHED WHERE APPROXIMATE, QUERIED WHERE INFERRED

NOTE: GROUNDWATER SAMPLES COLLECTED AUGUST 2021  
ANALYSES PERFORMED BY EUROFINS CALSCIENCE, INC.  
GARDEN GROVE, CALIFORNIA



RAYTHEON COMPANY  
FULLERTON, CALIFORNIA

TRICHLOROETHYLENE AND  
TETRACHLOROETHYLENE  
UPPER UNIT A, AUGUST 2021

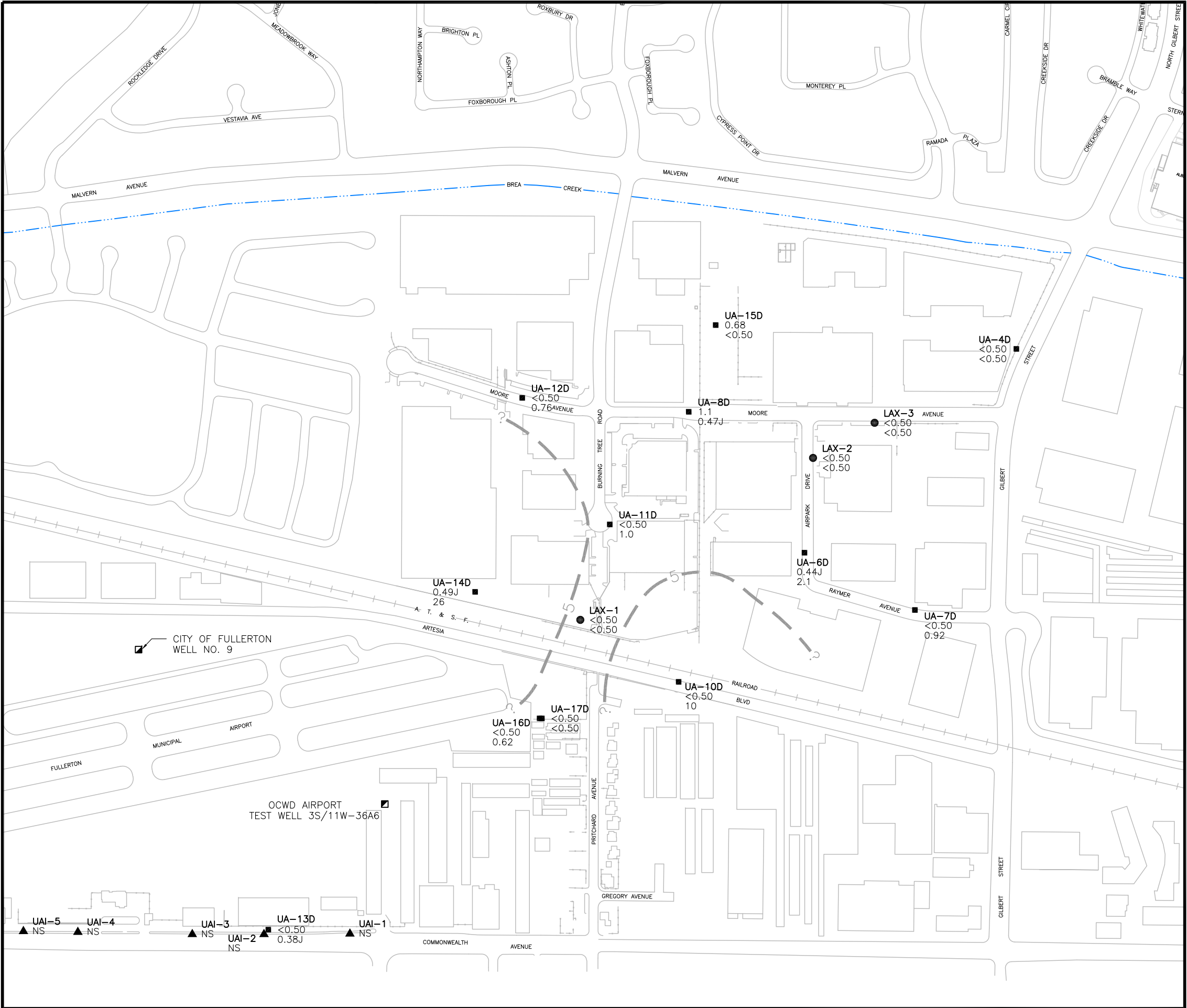


HARGIS + ASSOCIATES, INC.  
Hydrogeology/Engineering

09/21

FIGURE 10

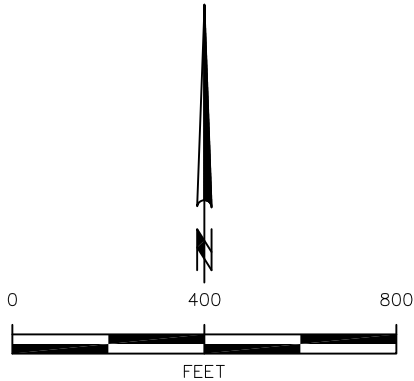
Mar 22, 2022 - 10:19am ESS - T: \\2022\\700-799\\764 Raytheon\\Hydrogeology\\Water Qual\\210-5308.dwg



EXPLANATION

- UA-6D APPROXIMATE LOCATION OF LOWER UNIT A MONITOR WELL
- UAI-2 APPROXIMATE LOCATION OF UNIT A INJECTION WELL
- LAX-2 APPROXIMATE LOCATION OF LOWER UNIT A EXTRACTION WELL
- CITY OF FULLERTON APPROXIMATE LOCATION OF CITY OF FULLERTON PRODUCTION WELL
- WELL No.9
- OCWD TEST WELL APPROXIMATE LOCATION OF ORANGE COUNTY WATER DISTRICT TEST WELL
- 3S/11W-36A6
- UA-8D CONCENTRATION OF TRICHLOROETHYLENE (TCE) IN MICROGRAMS PER LITER (ug/l)
- 1.1
- 0.49J CONCENTRATION OF TETRACHLOROETHYLENE (PCE) IN MICROGRAMS PER LITER (ug/l)
- < LESS THAN; NUMERICAL VALUE IS THE REPORTING LIMIT FOR THE SPECIFIED ANALYSIS
- J ESTIMATED CONCENTRATION
- NS NOT SAMPLED
- AT & SF RAILROAD
- ? - - - 5 - - - ?
- CONTOUR LINE OF EQUAL CONCENTRATION OF PCE IN ug/l
- DASHED WHERE APPROXIMATE, QUERIED WHERE INFERRED

NOTE: GROUNDWATER SAMPLES COLLECTED AUGUST 2021  
ANALYSES PERFORMED BY EUROFINS CALSCIENCE, INC.  
GARDEN GROVE, CALIFORNIA



RAYTHEON COMPANY  
FULLERTON, CALIFORNIA

TRICHLOROETHYLENE AND  
TETRACHLOROETHYLENE  
LOWER UNIT A, AUGUST 2021

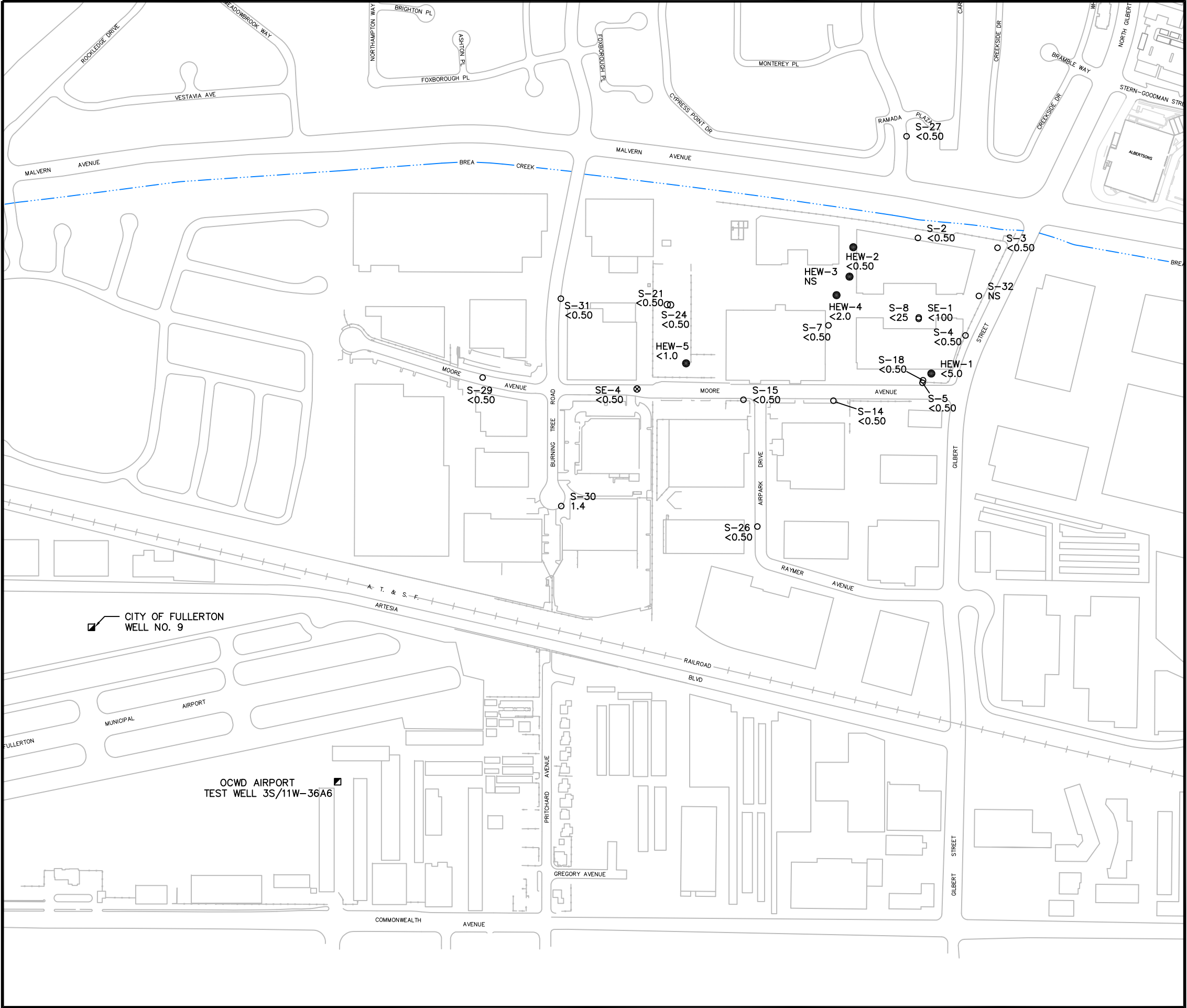
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03/22

FIGURE 11

PREP BY RA REV BY ANW RPT NO. 764.11 210-5308 A

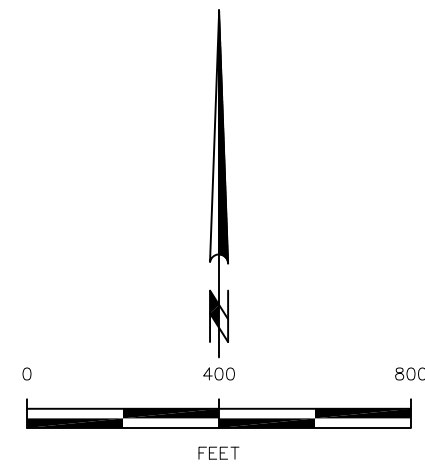
Jan 26, 2022 - 9:54am ESS - T:\2022\700-799\764 Raytheon\Hydrogeology\Water Qual\210-5304.dwg



EXPLANATION

- S-29 ○ APPROXIMATE LOCATION OF SHALLOW ZONE MONITOR WELL
- SE-4 ⊗ APPROXIMATE LOCATION OF SHALLOW ZONE EXTRACTION WELL
- HEW-5 ● APPROXIMATE LOCATION OF SHALLOW ZONE HORIZONTAL EXTRACTION WELL
- CITY OF FULLERTON ■ WELL No.9 APPROXIMATE LOCATION OF CITY OF FULLERTON PRODUCTION WELL
- OCWD TEST WELL ■ 3S/11W-36A6 APPROXIMATE LOCATION OF ORANGE COUNTY WATER DISTRICT TEST WELL
- S-24 ○ <0.50 CONCENTRATION OF 1,1-DICHLOROETHYLENE (1,1-DCE) IN MICROGRAMS PER LITER (ug/l)
- < LESS THAN; NUMERICAL VALUE IS THE REPORTING LIMIT FOR 1,1-DCE
- NS NOT SAMPLED
- J ESTIMATED CONCENTRATION
- AT & SF RAILROAD

NOTE: GROUNDWATER SAMPLES COLLECTED AUGUST 2021  
ANALYSES PERFORMED BY EUROFINS CALSCIENCE, INC.  
GARDEN GROVE, CALIFORNIA



RAYTHEON COMPANY

FULLERTON, CALIFORNIA

1,1-DICHLOROETHYLENE  
SHALLOW ZONE  
AUGUST 2021

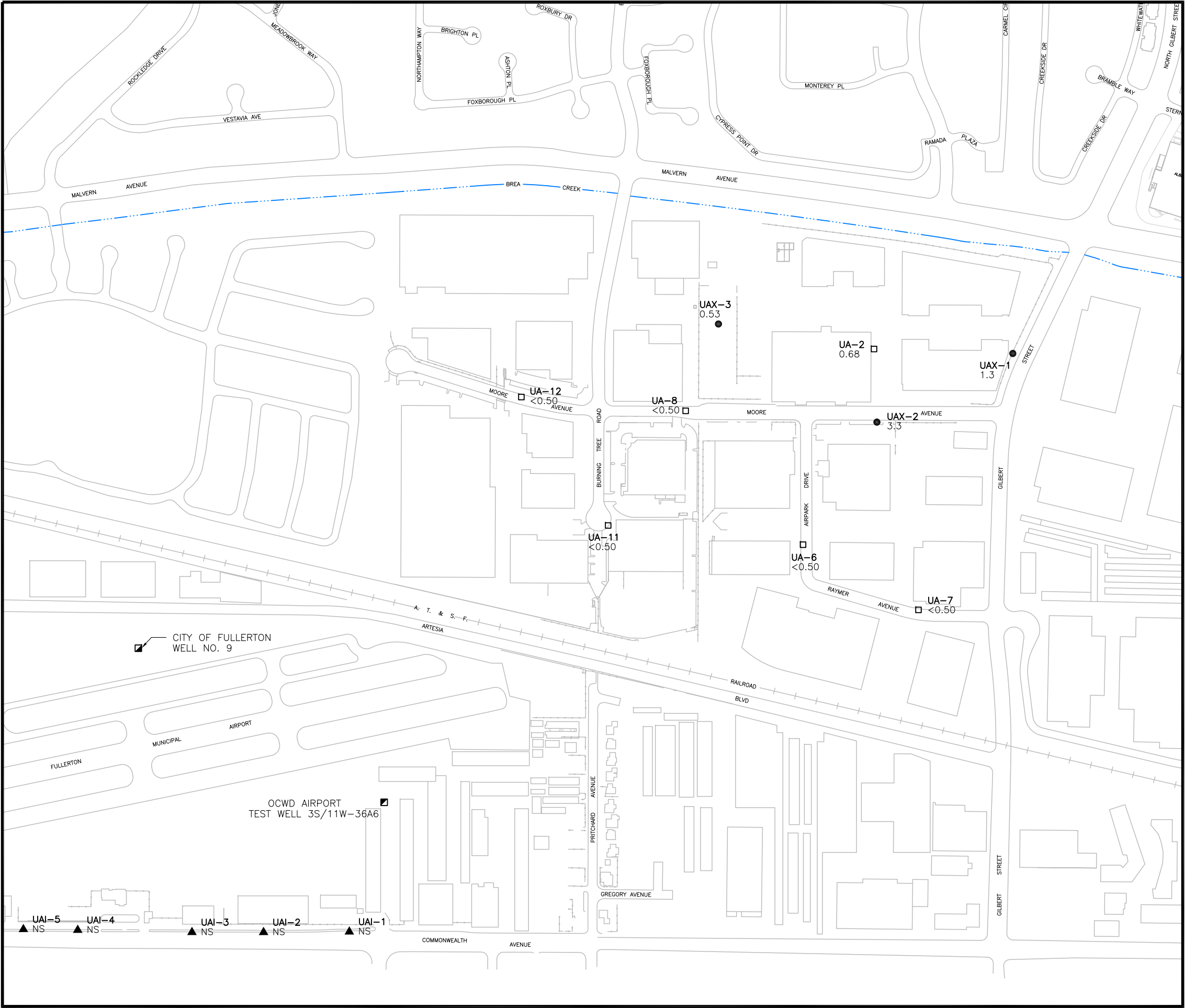
 HARGIS+ASSOCIATES, INC.  
Hydrogeology/Engineering

01/22

FIGURE 12

PREP BY RA REV BY ANW RPT NO. 764.11 210-5304 A

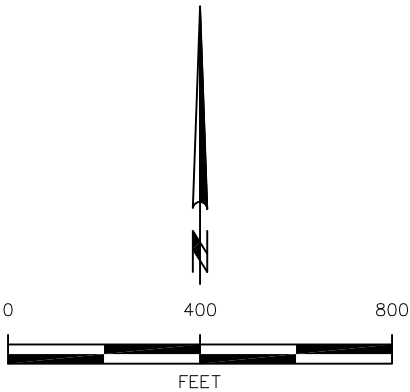
Mar 22, 2022 - 10:04am ESS - T: \2022\700-799\764 Raytheon\Hydrogeology\Water Qual\210-5309.dwg



EXPLANATION

- UA-12 APPROXIMATE LOCATION OF UPPER UNIT A MONITOR WELL
- UAX-3 APPROXIMATE LOCATION OF UPPER UNIT A EXTRACTION WELL
- UAI-2 APPROXIMATE LOCATION OF UNIT A INJECTION WELL
- CITY OF FULLERTON WELL No.9 APPROXIMATE LOCATION OF CITY OF FULLERTON PRODUCTION WELL
- OCWD TEST WELL 3S/11W-36A6 APPROXIMATE LOCATION OF ORANGE COUNTY WATER DISTRICT TEST WELL
- UAX-1 1.3 CONCENTRATION OF 1,1-DICHLOROETHYLENE (1,1-DCE) IN MICROGRAMS PER LITER (ug/l)
- < LESS THAN; NUMERICAL VALUE IS THE REPORTING LIMIT FOR 1,1-DCE
- NS NOT SAMPLED
- AT & SF RAILROAD

NOTE: GROUNDWATER SAMPLES COLLECTED AUGUST 2021  
ANALYSES PERFORMED BY EUROFINS CALSCIENCE, INC.  
GARDEN GROVE, CALIFORNIA



RAYTHEON COMPANY  
FULLERTON, CALIFORNIA

1,1-DICHLOROETHYLENE  
UPPER UNIT A  
AUGUST 2021

 HARGIS+ASSOCIATES, INC.  
Hydrogeology/Engineering

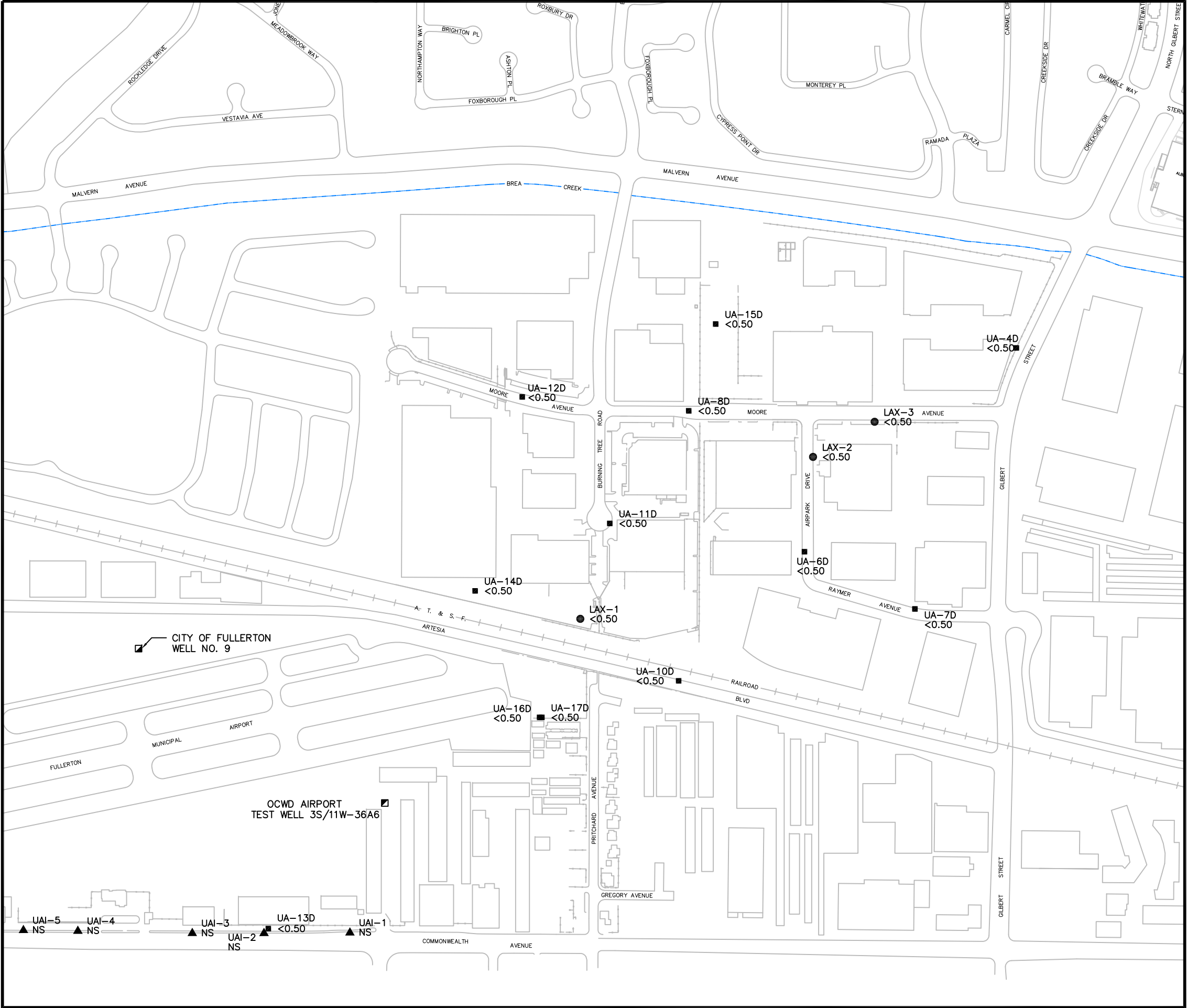
03/22

FIGURE 13

PREP BY RA REV BY ANW RPT NO. 764.11 210-5309 A



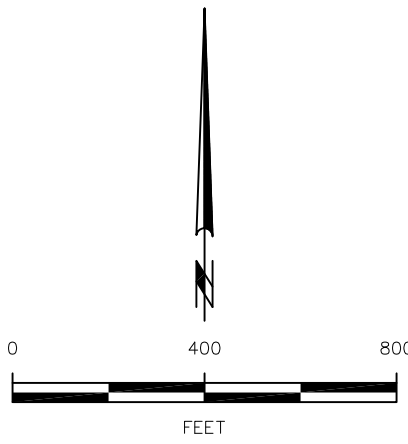
Jan 26, 2022 - 9:54am ESS - T:\2022\700-799\764-Raytheon\Hydrogeology\Water Qual\210-5306.dwg



EXPLANATION

- UA-6D APPROXIMATE LOCATION OF LOWER UNIT A MONITOR WELL
- ▲ UAI-2 APPROXIMATE LOCATION OF UNIT A INJECTION WELL
- LAX-2 APPROXIMATE LOCATION OF LOWER UNIT A EXTRACTION WELL
- CITY OF FULLERTON WELL No.9 APPROXIMATE LOCATION OF CITY OF FULLERTON PRODUCTION WELL
- OCWD TEST WELL 3S/11W-36A6 APPROXIMATE LOCATION OF ORANGE COUNTY WATER DISTRICT TEST WELL
- LAX-2 <0.50 CONCENTRATION OF 1,1-DICHLOROETHYLENE (1,1-DCE) IN MICROGRAMS PER LITER (ug/l)
- < LESS THAN; NUMERICAL VALUE IS THE REPORTING LIMIT FOR 1,1-DCE
- NS NOT SAMPLED
- AT & SF RAILROAD

NOTE: GROUNDWATER SAMPLES COLLECTED AUGUST 2021  
ANALYSES PERFORMED BY EUROFINS CALSCIENCE, INC.  
GARDEN GROVE, CALIFORNIA



RAYTHEON COMPANY  
FULLERTON, CALIFORNIA

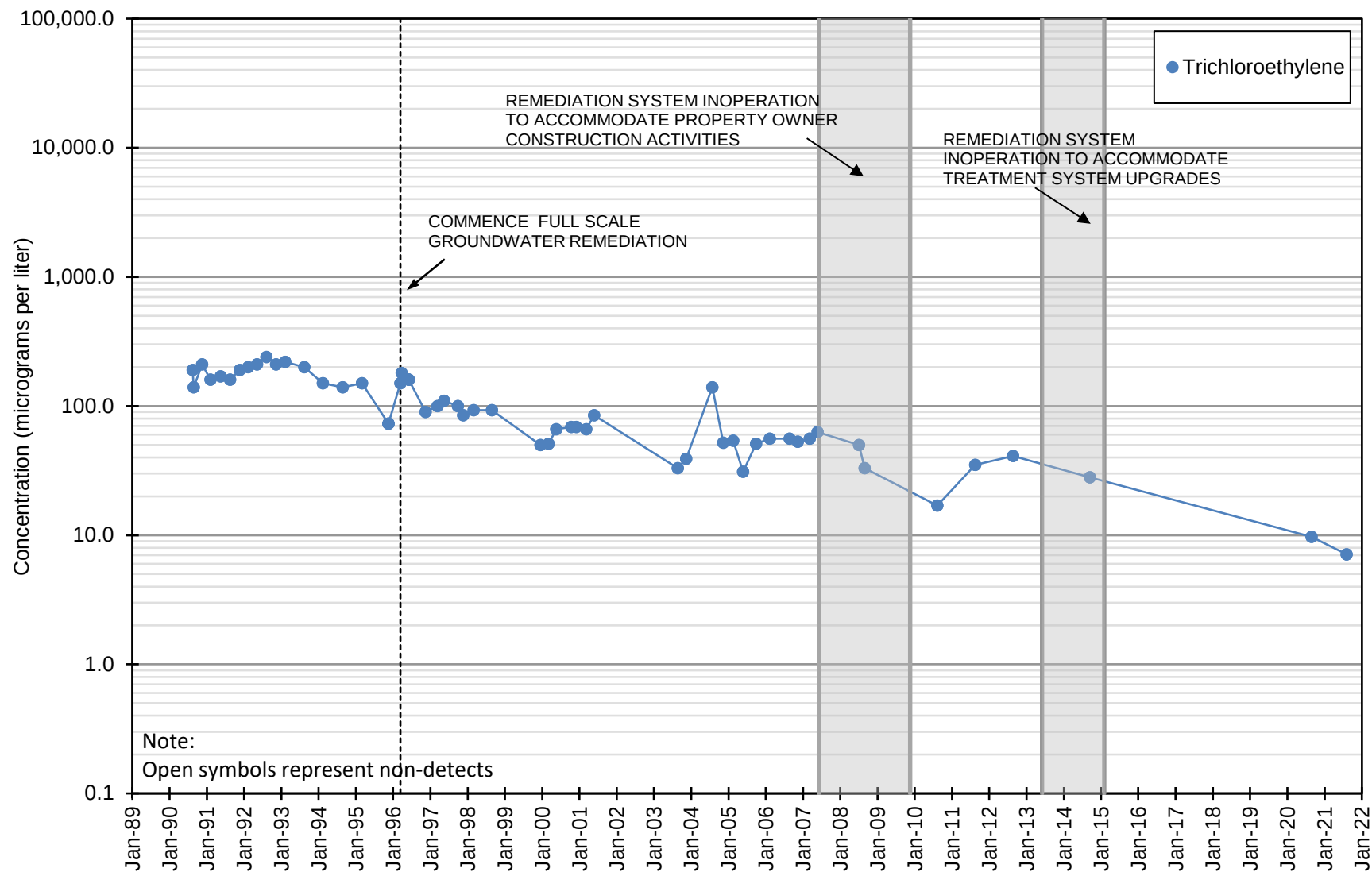
1,1-DICHLOROETHYLENE  
LOWER UNIT A  
AUGUST 2021

 HARGIS+ASSOCIATES, INC.  
Hydrogeology/Engineering

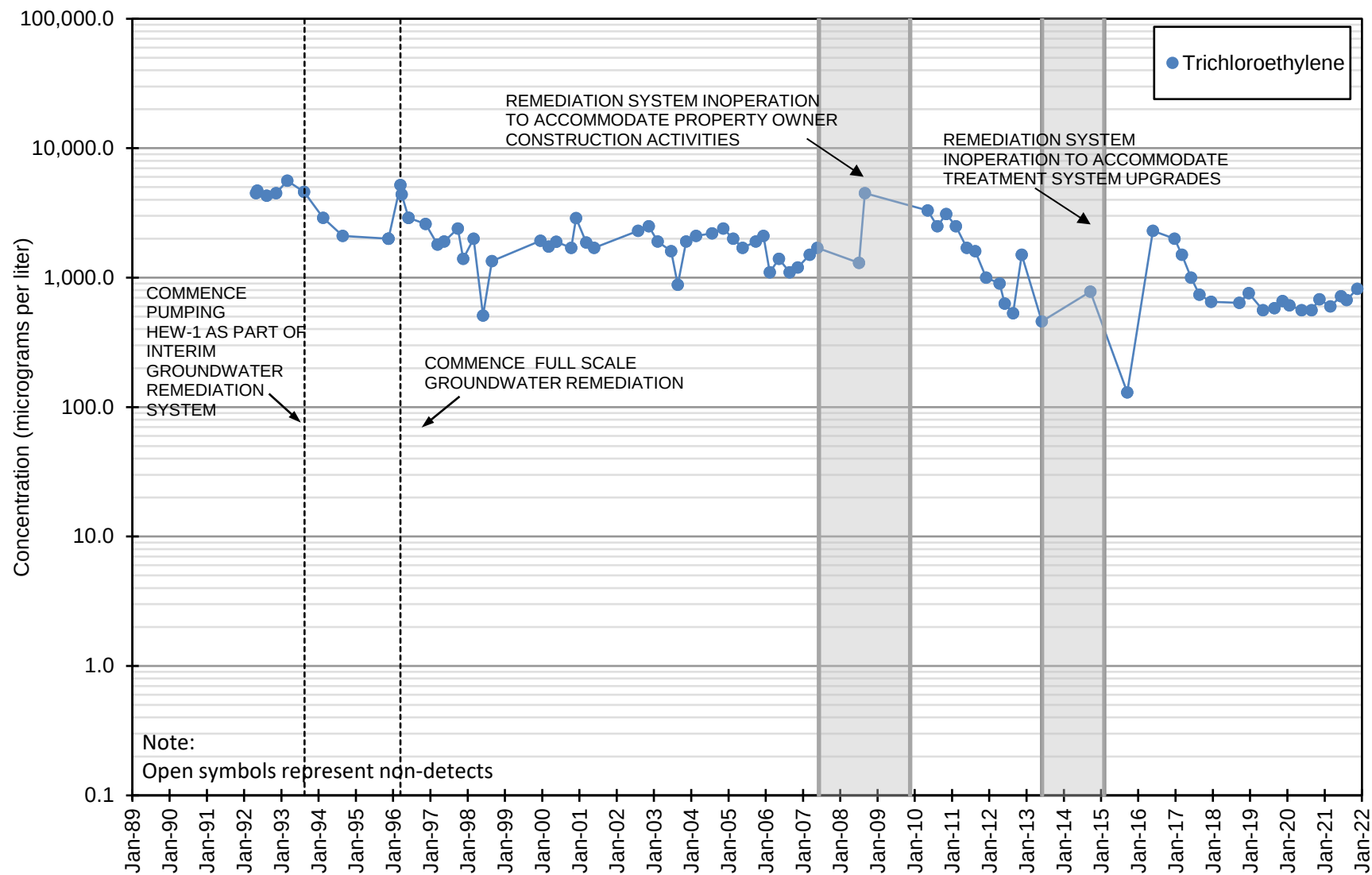
01/22

FIGURE 14

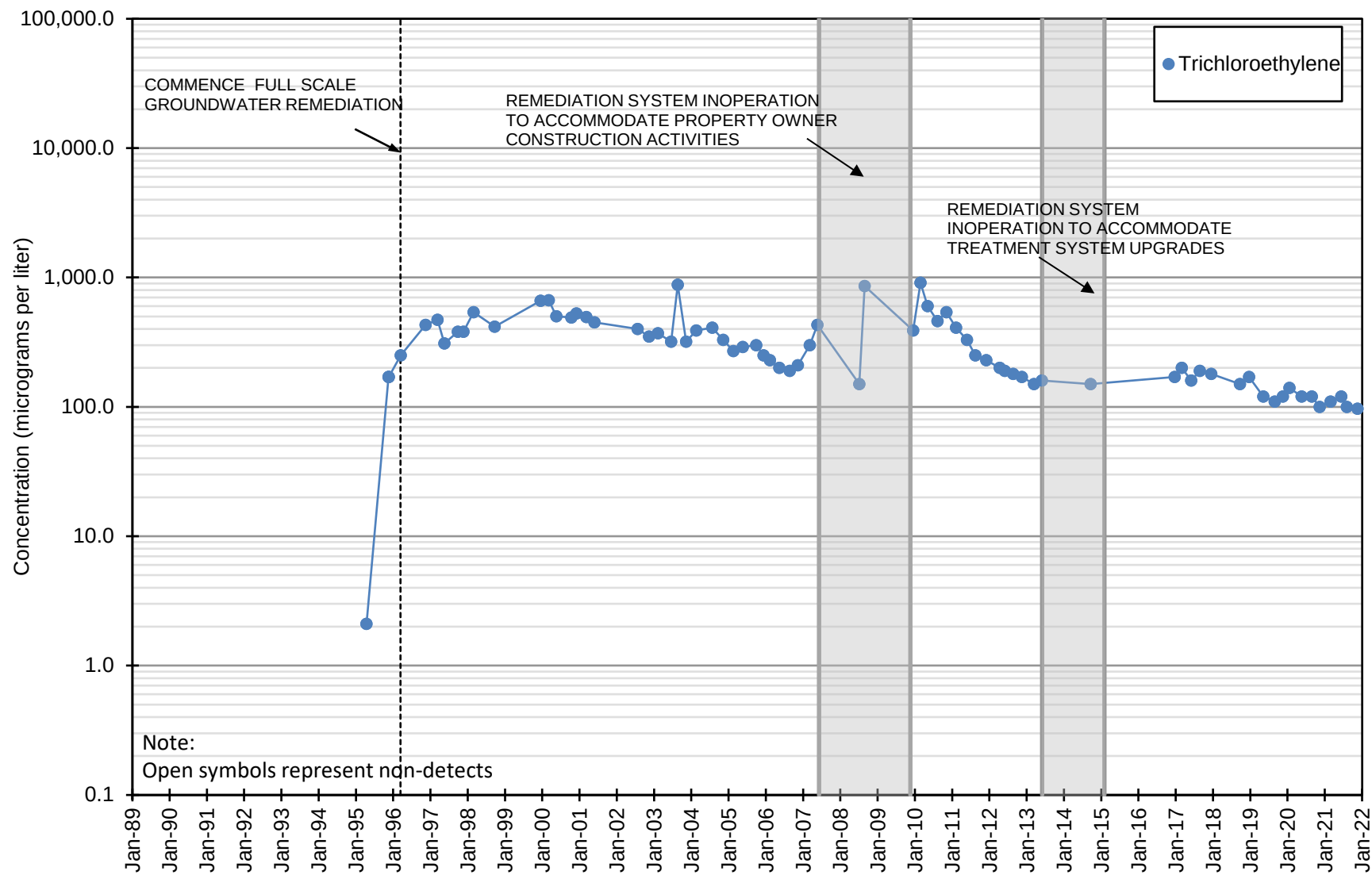
PREP BY RA REV BY ANW RPT NO. 764.11 210-5306 A



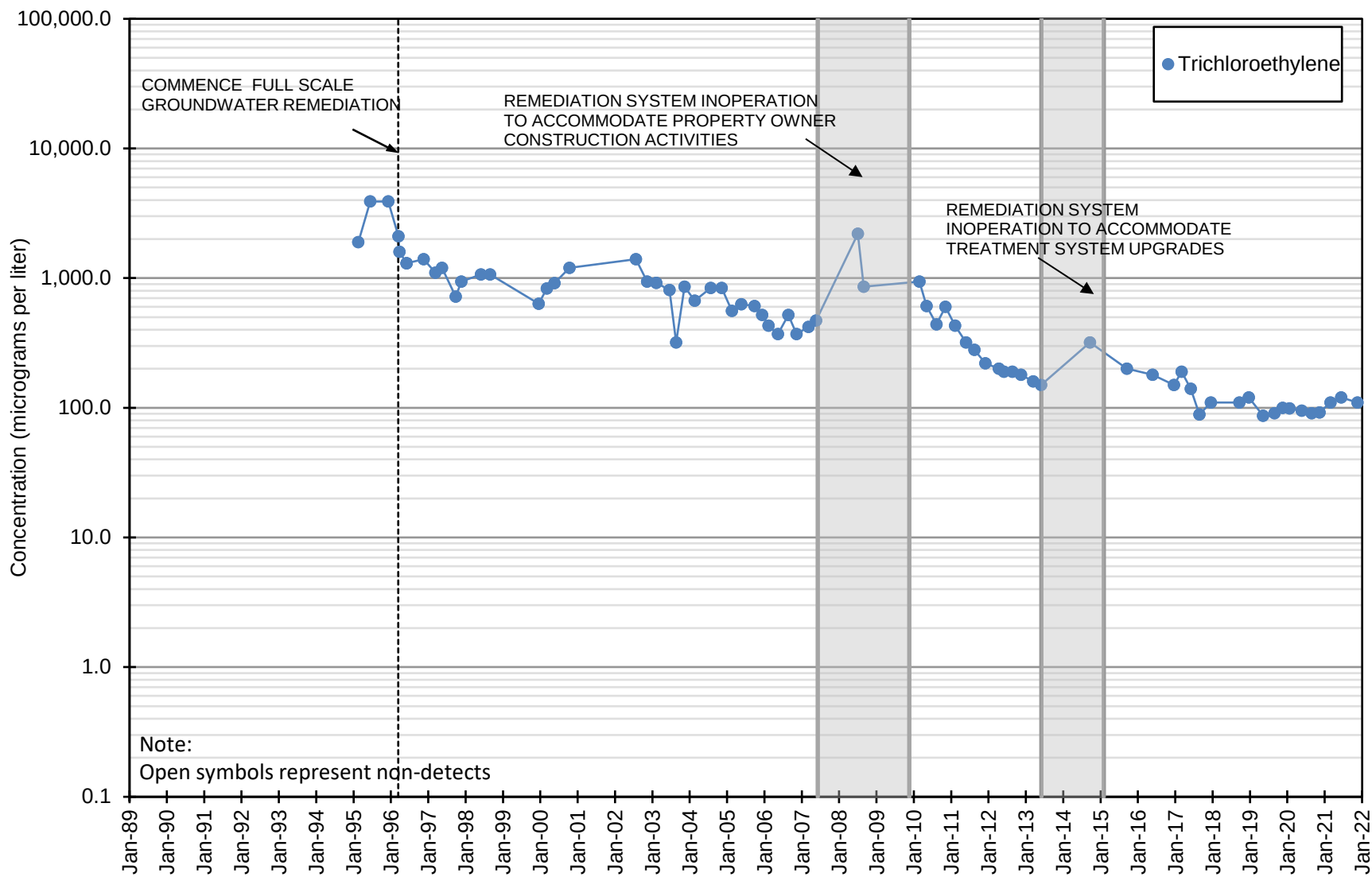
**FIGURE 15. TRICHLOROETHYLENE CONCENTRATIONS IN EXTRACTION WELL SE-04**



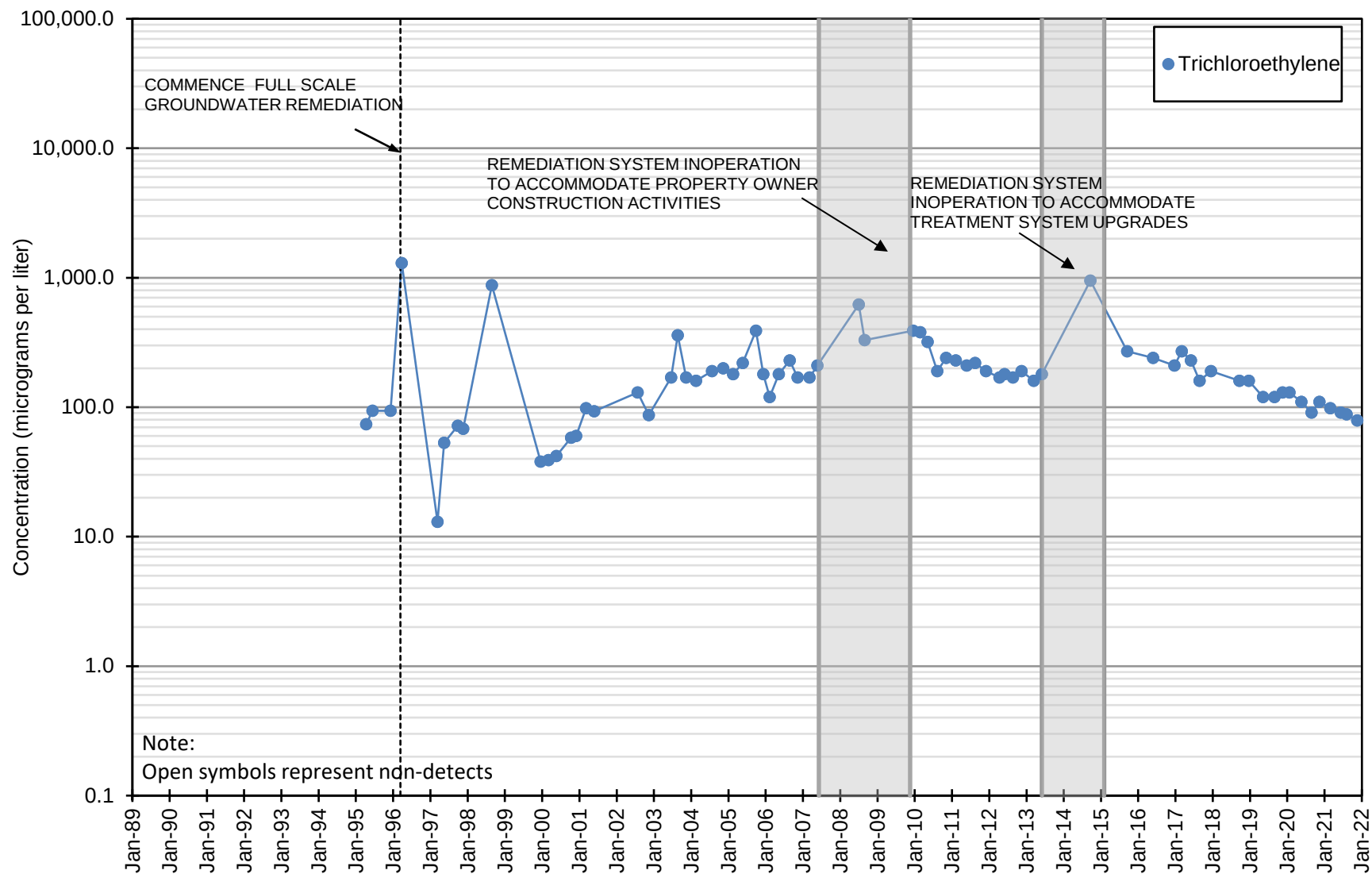
**FIGURE 16. TRICHLOROETHYLENE CONCENTRATIONS IN EXTRACTION WELL HEW-01**



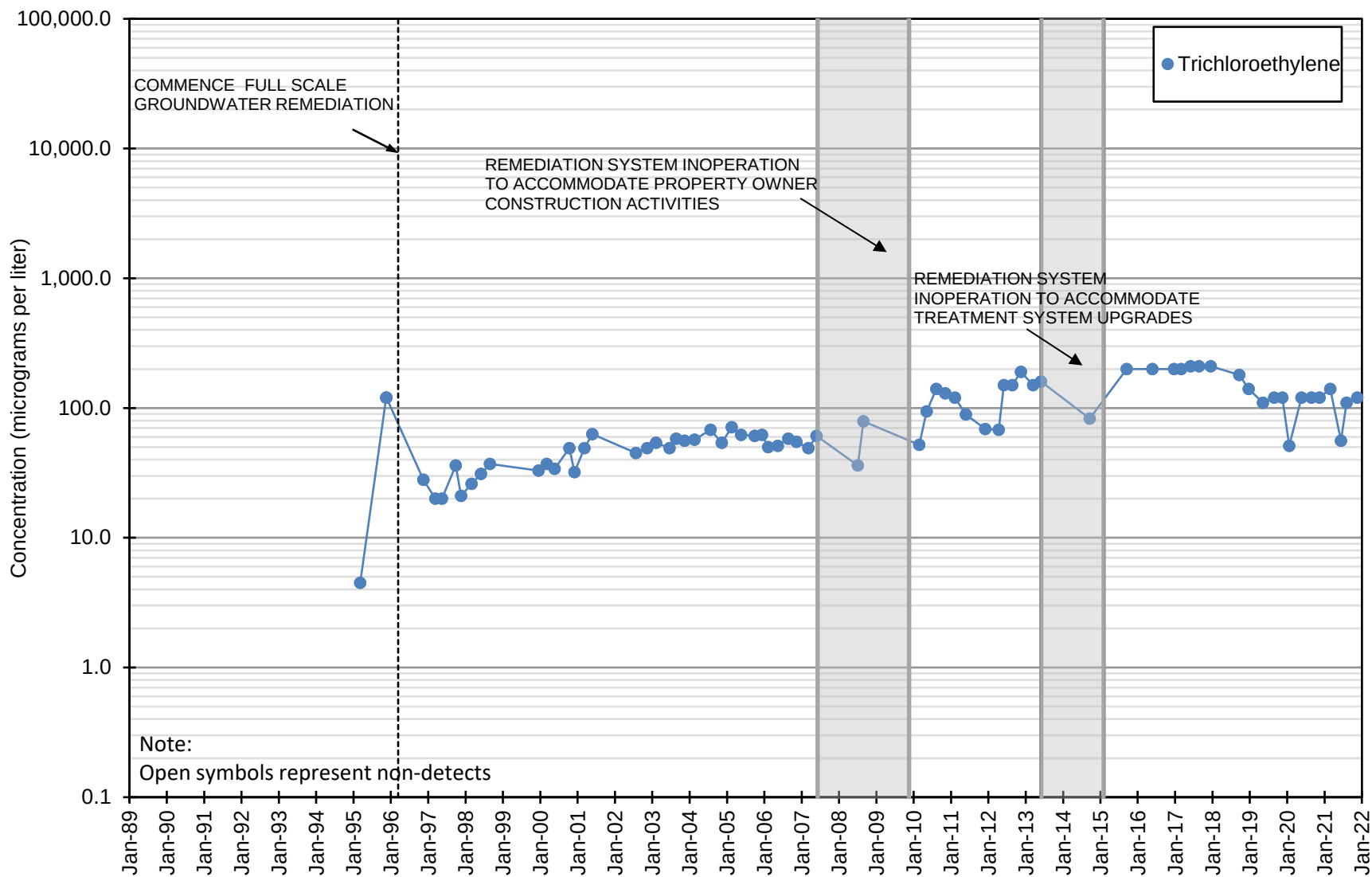
**FIGURE 17. TRICHLOROETHYLENE CONCENTRATIONS IN EXTRACTION WELL HEW-02**



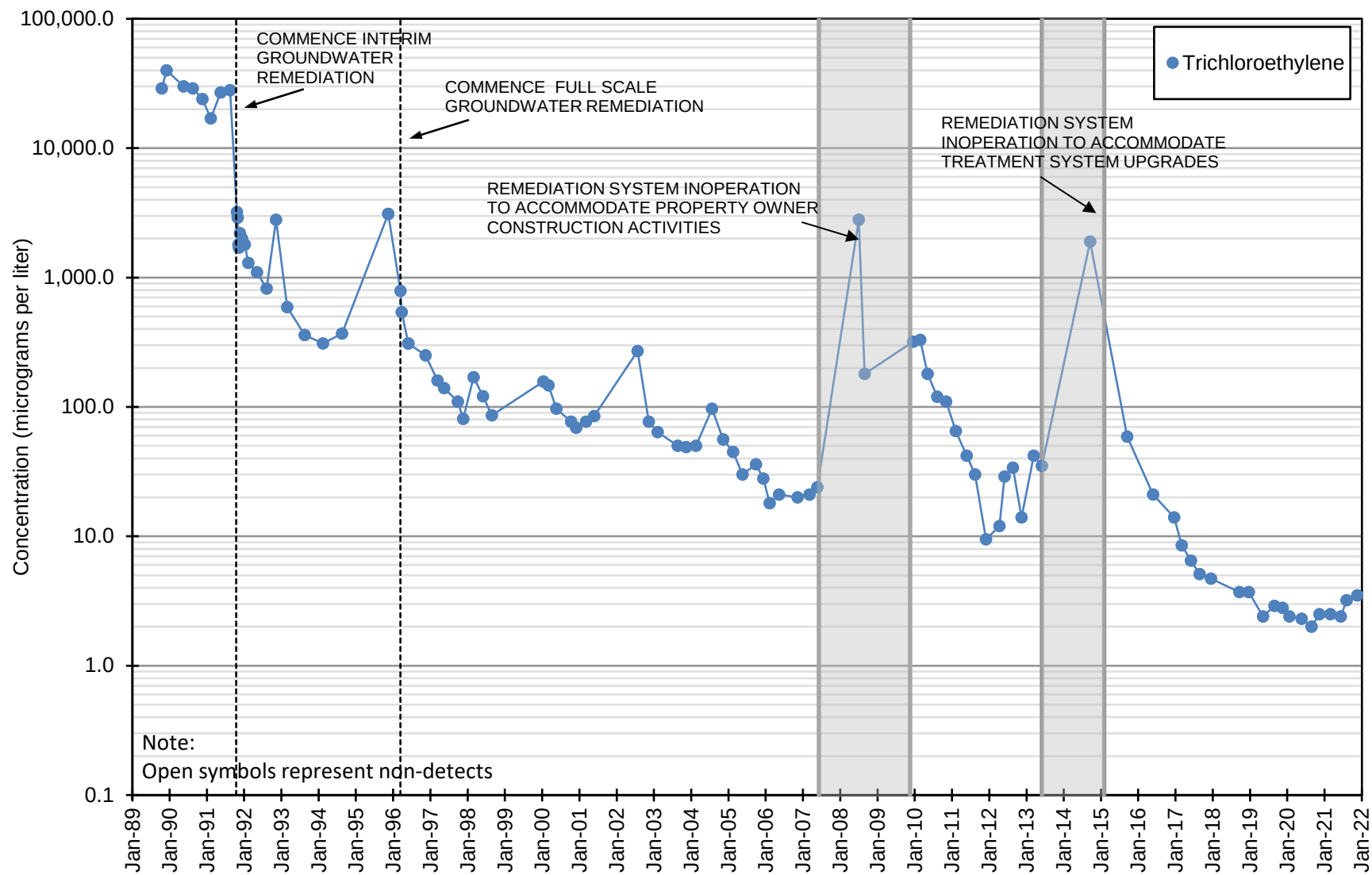
**FIGURE 18. TRICHLOROETHYLENE CONCENTRATIONS IN EXTRACTION WELL HEW-03**



**FIGURE 19. TRICHLOROETHYLENE CONCENTRATIONS IN EXTRACTION WELL HEW-04**

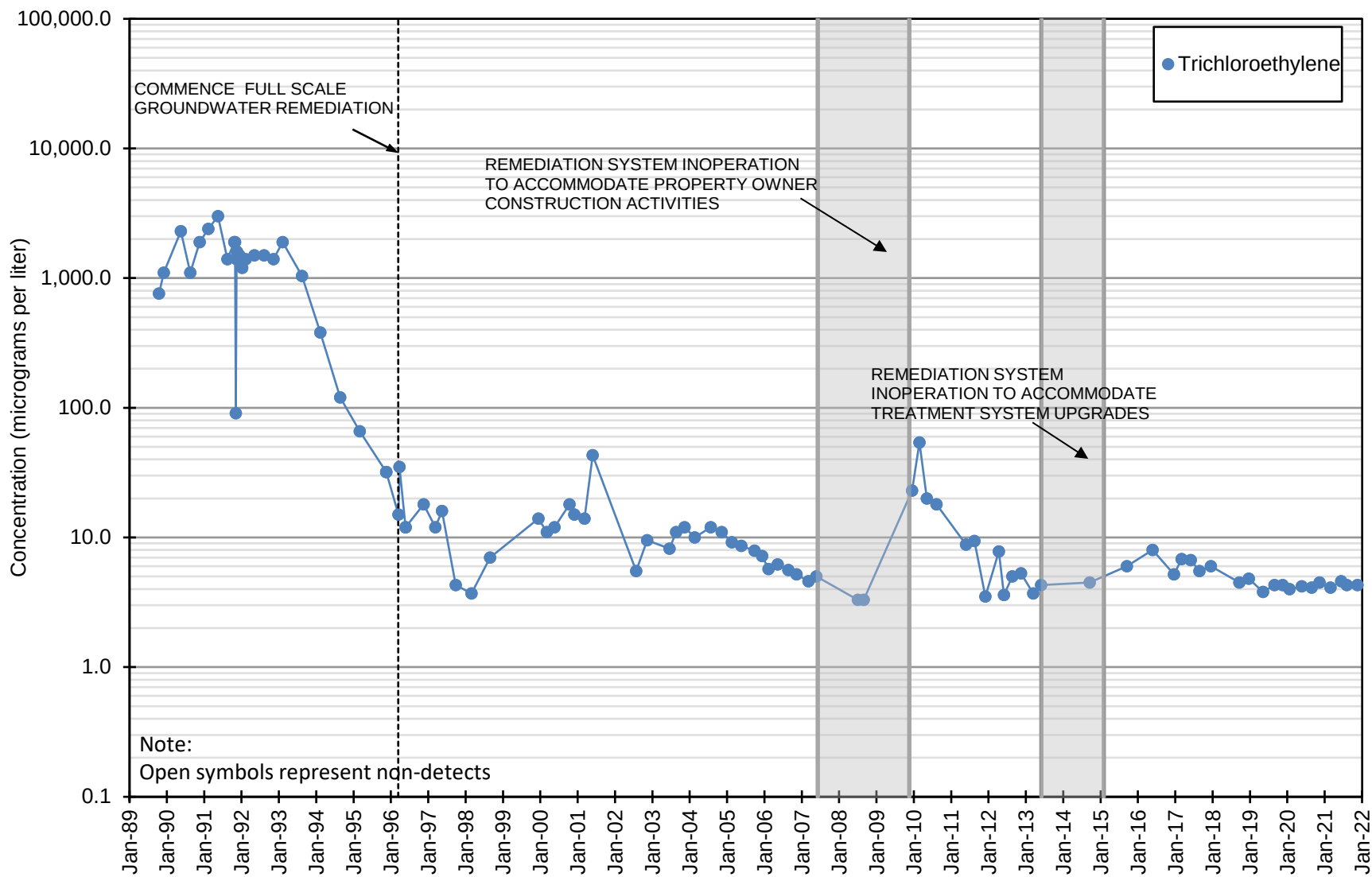


**FIGURE 20. TRICHLOROETHYLENE CONCENTRATIONS IN EXTRACTION WELL HEW-05**

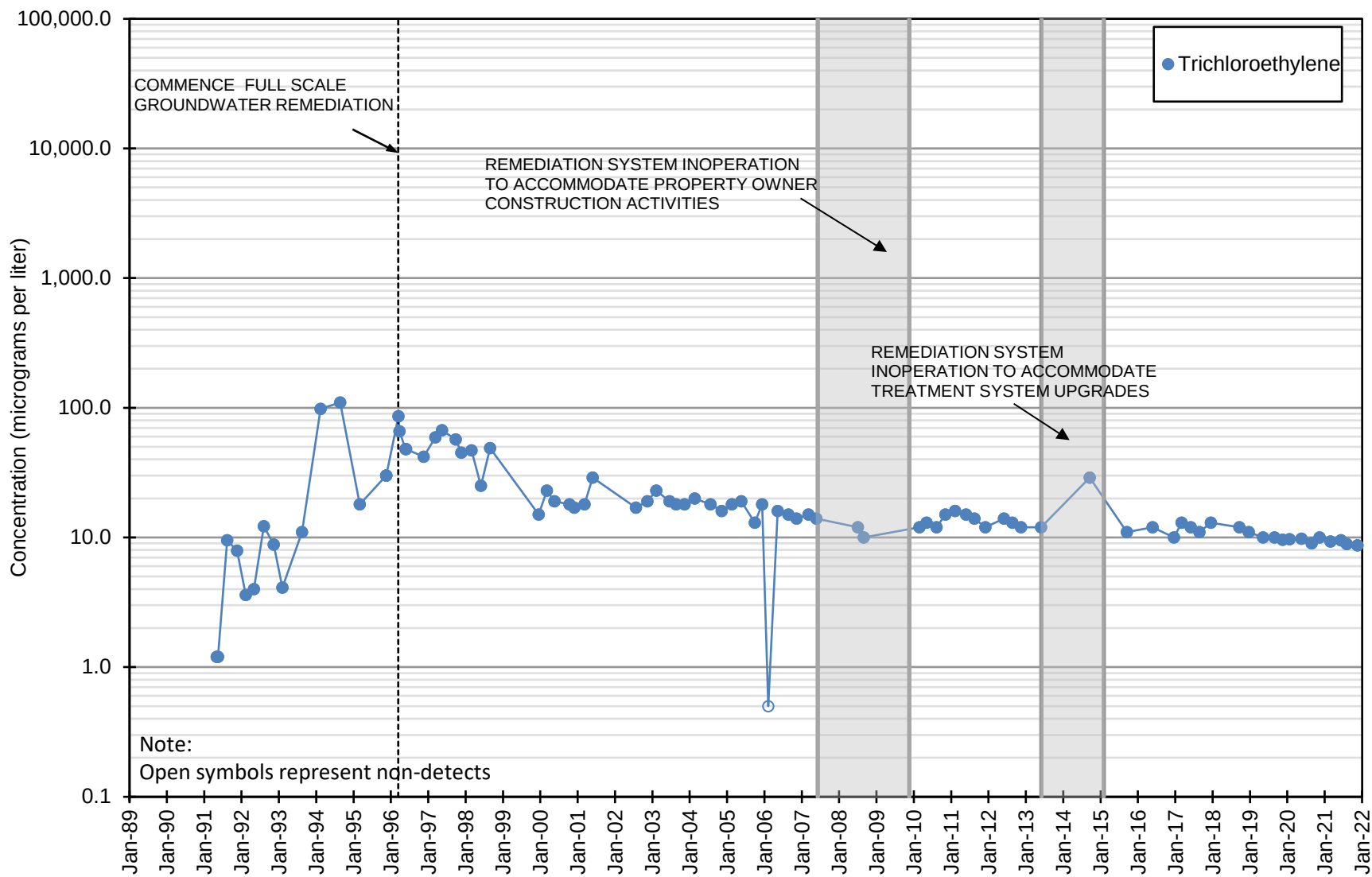


**FIGURE 21. TRICHLOROETHYLENE CONCENTRATIONS IN EXTRACTION WELL UAX-01**

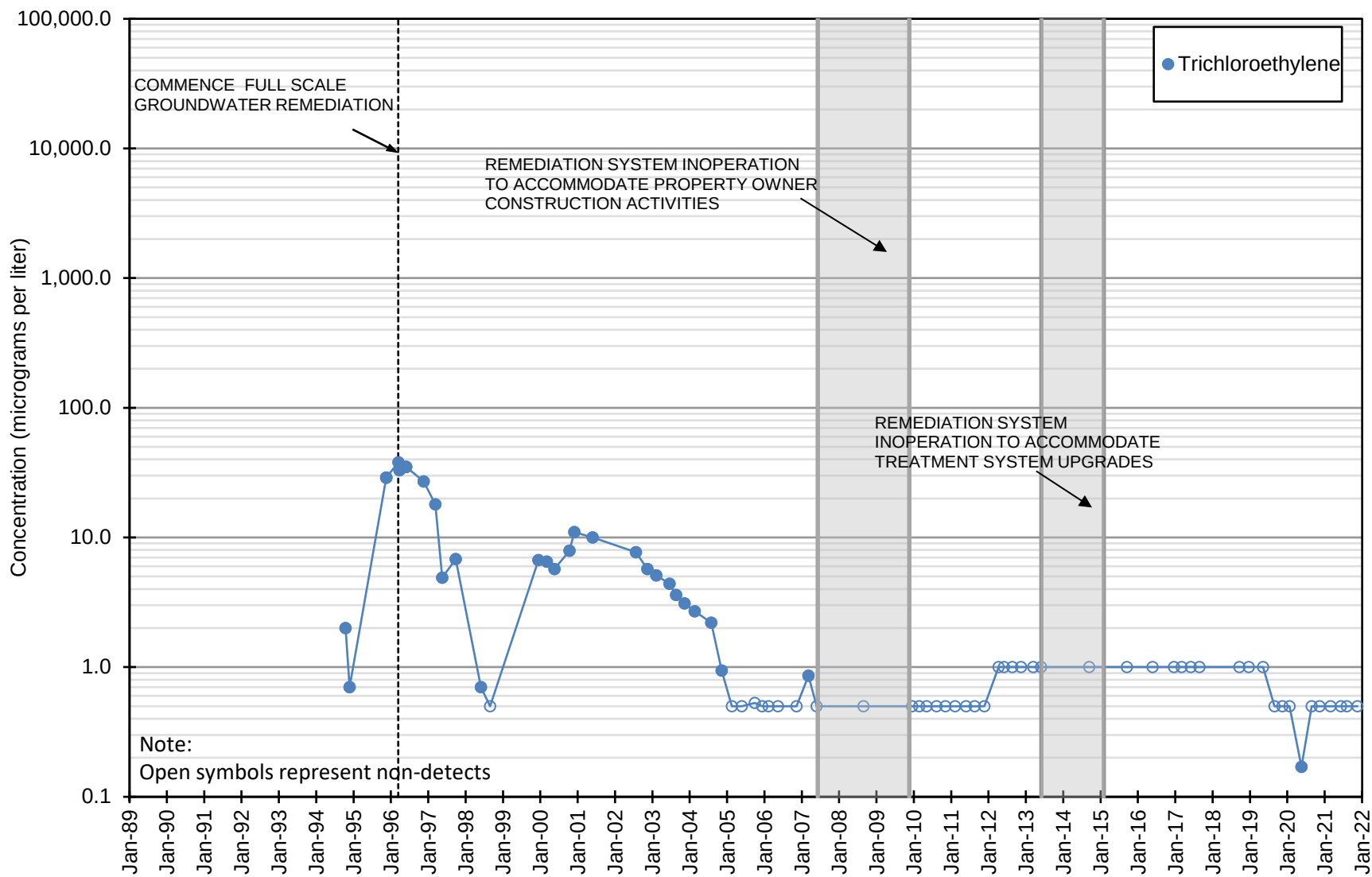




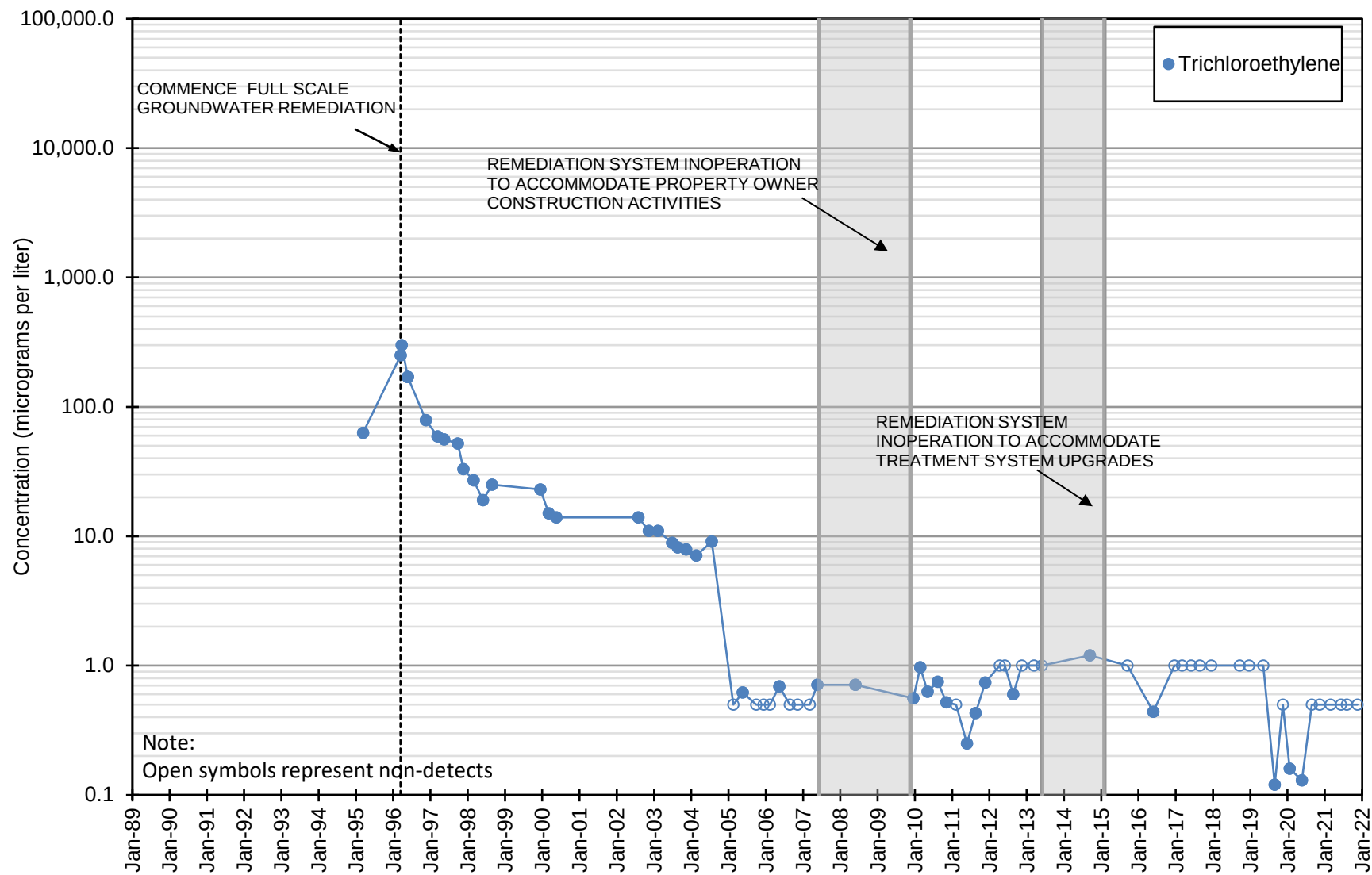
**FIGURE 22. TRICHLOROETHYLENE CONCENTRATIONS IN EXTRACTION WELL UAX-02**



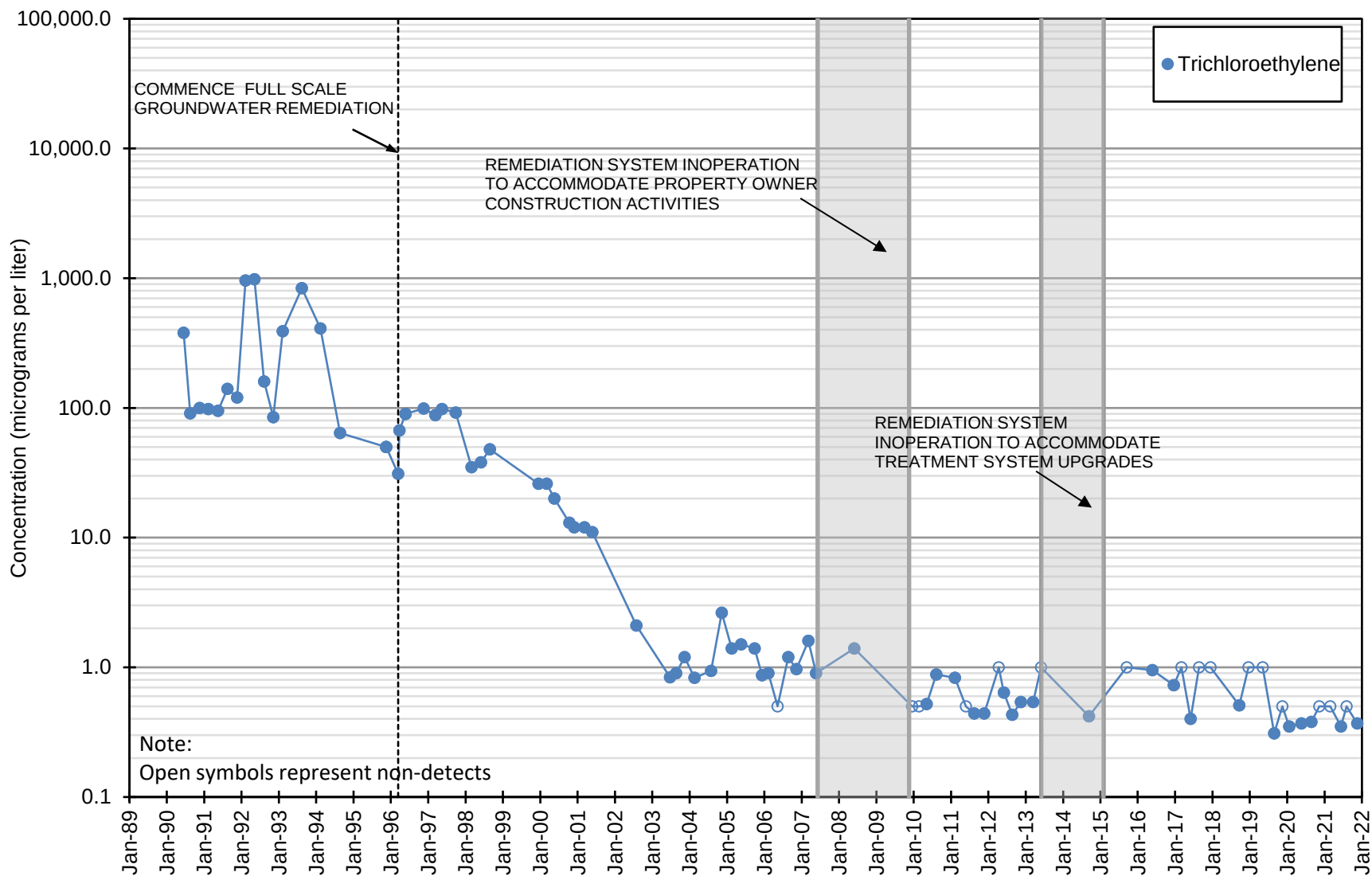
**FIGURE 23. TRICHLOROETHYLENE CONCENTRATIONS IN EXTRACTION WELL UAX-03**



**FIGURE 24. TRICHLOROETHYLENE CONCENTRATIONS IN EXTRACTION WELL LAX-01**

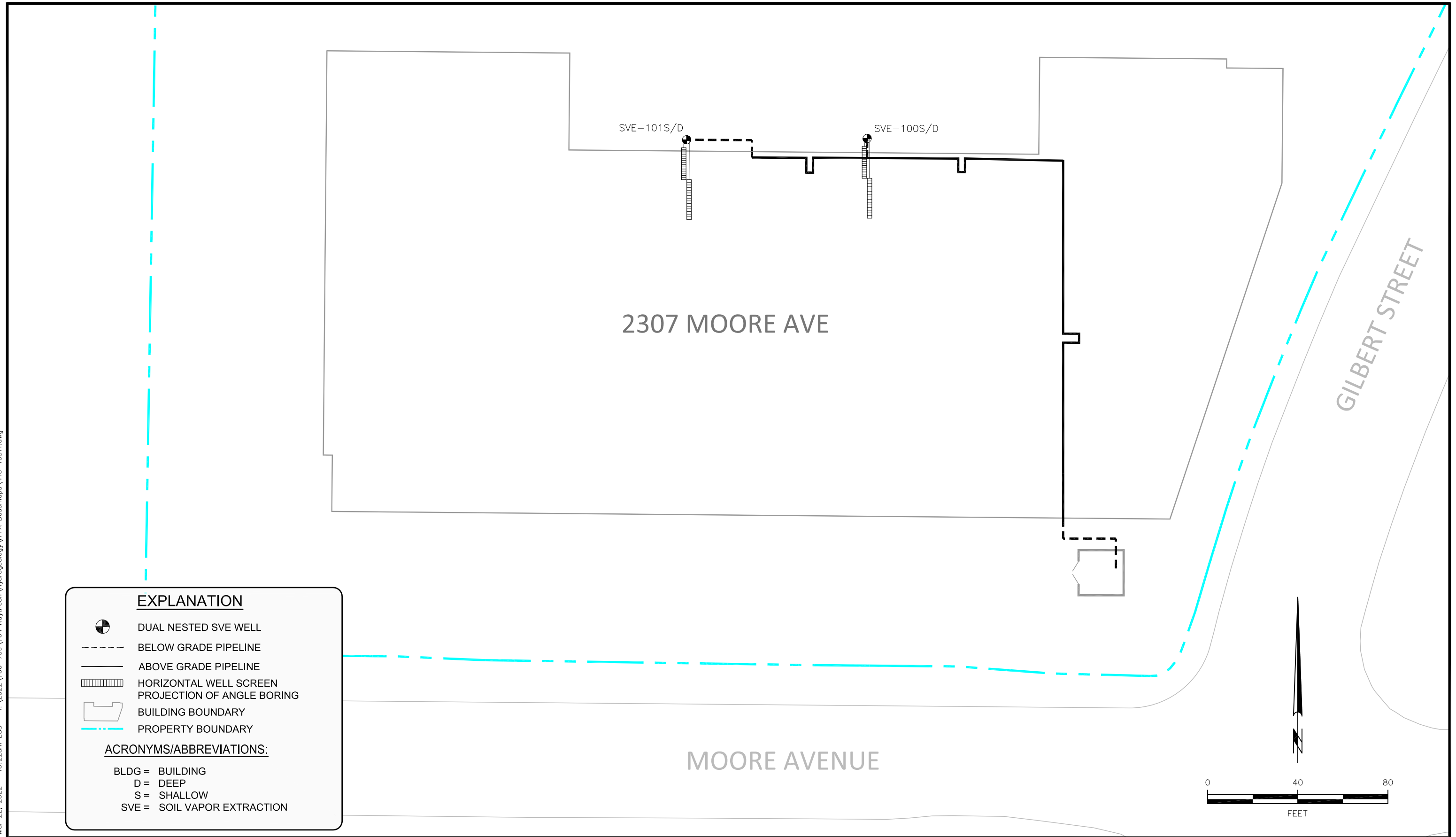


**FIGURE 25. TRICHLOROETHYLENE CONCENTRATIONS IN EXTRACTION WELL LAX-02**



**FIGURE 26. TRICHLOROETHYLENE CONCENTRATIONS IN EXTRACTION WELL LAX-03**

Mar 22, 2022 - 10:22am ESS - T:\2022\700-799\764 Raytheon\Hydrogeology\H+A Basemaps\410-10311.dwg



**HARGIS+ASSOCIATES, INC.**  
Hydrogeology/Engineering

**FIGURE 27. SITE PLAN**  
**FORMER BUILDING 684 SVE SYSTEM, FULLERTON CALIFORNIA**

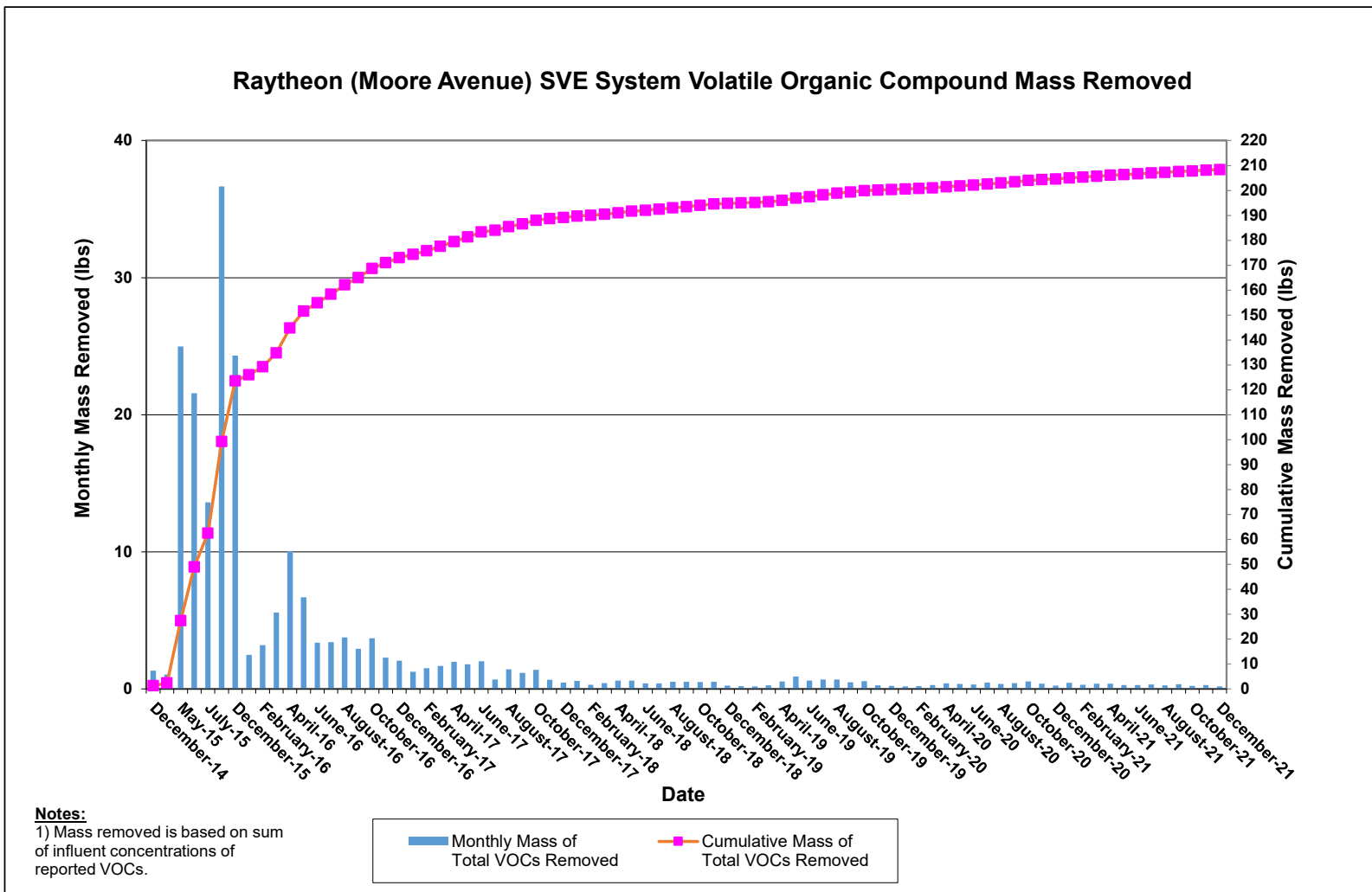


FIGURE 28. SVE SYSTEM CUMULATIVE VOC MASS REMOVED

APPENDIX A  
LABORATORY ANALYTICAL DATA



## ANALYTICAL REPORT

Eurofins Calscience LLC  
7440 Lincoln Way  
Garden Grove, CA 92841  
Tel: (714)895-5494

Laboratory Job ID: 570-52259-1

Client Project/Site: Raytheon Full Scale/Bldg 684

**For:**

Hargis + Associates, Inc.  
La Jolla Gateway  
9171 Towne Centre Drive  
Suite 375  
San Diego, California 92122

Attn: Steve Netto

*Virendra R Patel*

Authorized for release by:  
3/11/2021 12:36:17 PM

Virendra Patel, Project Manager I  
(714)895-5494

[Virendra.Patel@eurofinset.com](mailto:Virendra.Patel@eurofinset.com)

### LINKS

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*The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Definitions/Glossary

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Qualifiers

### GC/MS VOA

| Qualifier | Qualifier Description                                                                            |
|-----------|--------------------------------------------------------------------------------------------------|
| *+        | LCS and/or LCSD is outside acceptance limits, high biased.                                       |
| F1        | MS and/or MSD recovery exceeds control limits.                                                   |
| F2        | MS/MSD RPD exceeds control limits                                                                |
| me        | LCS Recovery is within Marginal Exceedance (ME) control limit range ( $\pm 4$ SD from the mean). |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| $\alpha$       | 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                                                                                       |

# Case Narrative

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

**Job ID: 570-52259-1**

**Laboratory: Eurofins Calscience LLC**

## Narrative

### Job Narrative 570-52259-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 2/26/2021 11:44 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 was 2.8° C.

#### GC/MS VOA

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for the following sample associated with analytical batch 570-134104 were outside control limits: HEW-02 (570-52259-9[MS]) and HEW-02 (570-52259-9[MSD]). The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-134494.

Method 8260B: The following analyte(s) recovered outside control limits for the LCS associated with analytical batch 570-134494: Chloroethane. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

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

#### GC/MS Semi VOA

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

#### Organic Prep

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

#### VOA Prep

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

# Detection Summary

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Client Sample ID: TB-022521

Lab Sample ID: 570-52259-1

No Detections.

## Client Sample ID: LAX-01

Lab Sample ID: 570-52259-2

No Detections.

## Client Sample ID: LAX-03

Lab Sample ID: 570-52259-3

No Detections.

## Client Sample ID: UAX-02

Lab Sample ID: 570-52259-4

| Analyte            | Result | Qualifier | RL   | MDL | Unit | Dil Fac | D | Method       | Prep Type |
|--------------------|--------|-----------|------|-----|------|---------|---|--------------|-----------|
| 1,1-Dichloroethene | 3.2    |           | 0.50 |     | ug/L | 1       |   | 8260B        | Total/NA  |
| Trichloroethene    | 4.1    |           | 0.50 |     | ug/L | 1       |   | 8260B        | Total/NA  |
| 1,4-Dioxane        | 0.83   |           | 0.50 |     | ug/L | 1       |   | 8270C SIM ID | Total/NA  |

## Client Sample ID: HEW-04

Lab Sample ID: 570-52259-5

| Analyte         | Result | Qualifier | RL   | MDL | Unit | Dil Fac | D | Method       | Prep Type |
|-----------------|--------|-----------|------|-----|------|---------|---|--------------|-----------|
| Trichloroethene | 98     |           | 2.0  |     | ug/L | 4       |   | 8260B        | Total/NA  |
| 1,4-Dioxane     | 7.1    |           | 0.50 |     | ug/L | 1       |   | 8270C SIM ID | Total/NA  |

## Client Sample ID: HEW-0400

Lab Sample ID: 570-52259-6

| Analyte         | Result | Qualifier | RL   | MDL | Unit | Dil Fac | D | Method       | Prep Type |
|-----------------|--------|-----------|------|-----|------|---------|---|--------------|-----------|
| Trichloroethene | 95     |           | 2.0  |     | ug/L | 4       |   | 8260B        | Total/NA  |
| 1,4-Dioxane     | 6.7    |           | 0.50 |     | ug/L | 1       |   | 8270C SIM ID | Total/NA  |

## Client Sample ID: RB-022521

Lab Sample ID: 570-52259-7

No Detections.

## Client Sample ID: UAX-03

Lab Sample ID: 570-52259-8

| Analyte            | Result | Qualifier | RL   | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------------|--------|-----------|------|-----|------|---------|---|--------|-----------|
| 1,1-Dichloroethene | 0.53   |           | 0.50 |     | ug/L | 1       |   | 8260B  | Total/NA  |
| Trichloroethene    | 9.3    |           | 0.50 |     | ug/L | 1       |   | 8260B  | Total/NA  |

## Client Sample ID: HEW-02

Lab Sample ID: 570-52259-9

| Analyte         | Result | Qualifier | RL   | MDL | Unit | Dil Fac | D | Method       | Prep Type |
|-----------------|--------|-----------|------|-----|------|---------|---|--------------|-----------|
| Trichloroethene | 110    | F1        | 2.0  |     | ug/L | 4       |   | 8260B        | Total/NA  |
| 1,4-Dioxane     | 0.74   |           | 0.50 |     | ug/L | 1       |   | 8270C SIM ID | Total/NA  |

## Client Sample ID: HEW-05

Lab Sample ID: 570-52259-10

| Analyte                | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 5.0    |           | 2.0 |     | ug/L | 4       |   | 8260B  | Total/NA  |
| Trichloroethene        | 140    |           | 2.0 |     | ug/L | 4       |   | 8260B  | Total/NA  |

## Client Sample ID: UAX-01

Lab Sample ID: 570-52259-11

| Analyte            | Result | Qualifier | RL   | MDL | Unit | Dil Fac | D | Method | Prep Type |
|--------------------|--------|-----------|------|-----|------|---------|---|--------|-----------|
| 1,1-Dichloroethene | 1.6    |           | 0.50 |     | ug/L | 1       |   | 8260B  | Total/NA  |
| Trichloroethene    | 2.5    |           | 0.50 |     | ug/L | 1       |   | 8260B  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

## Detection Summary

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

### Client Sample ID: LAX-02

Lab Sample ID: 570-52259-12

No Detections.

### Client Sample ID: HEW-01

Lab Sample ID: 570-52259-13

| Analyte         | Result | Qualifier | RL   | MDL | Unit | Dil Fac | D | Method       | Prep Type |
|-----------------|--------|-----------|------|-----|------|---------|---|--------------|-----------|
| Trichloroethene | 600    |           | 10   |     | ug/L | 20      |   | 8260B        | Total/NA  |
| 1,4-Dioxane     | 1.7    |           | 0.50 |     | ug/L | 1       |   | 8270C SIM ID | Total/NA  |

### Client Sample ID: HEW-03

Lab Sample ID: 570-52259-14

| Analyte           | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Tetrachloroethene | 2.5    |           | 2.0 |     | ug/L | 4       |   | 8260B  | Total/NA  |
| Trichloroethene   | 110    |           | 2.0 |     | ug/L | 4       |   | 8260B  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: TB-022521  
Date Collected: 02/25/21 10:00  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-1  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 2-Butanone                            | ND     |           | 5.0  |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Acetone                               | ND     |           | 8.0  |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Benzene                               | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Bromobenzene                          | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Bromoform                             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Bromomethane                          | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| cis-1,3-Dichloropropane               | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Chloroethane                          | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Chloroform                            | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Chloromethane                         | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Dibromomethane                        | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: TB-022521  
Date Collected: 02/25/21 10:00  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-1  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| o-Xylene                  | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| m,p-Xylene                | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Styrene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Toluene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Trichloroethene           | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Vinyl acetate             | ND     |           | 5.0  |     | ug/L |   |          | 03/06/21 12:10 | 1       |
| Vinyl chloride            | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 12:10 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 97        |           | 80 - 128 |          | 03/06/21 12:10 | 1       |
| 4-Bromofluorobenzene (Surr)  | 90        |           | 68 - 120 |          | 03/06/21 12:10 | 1       |
| Dibromofluoromethane         | 97        |           | 80 - 127 |          | 03/06/21 12:10 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 03/06/21 12:10 | 1       |

Client Sample ID: LAX-01  
Date Collected: 02/25/21 10:25  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-2  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: LAX-01  
Date Collected: 02/25/21 10:25  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-2  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Acetone                     | ND     |           | 8.0  |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Benzene                     | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Bromobenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Bromochloromethane          | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Bromoform                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Bromomethane                | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Carbon disulfide            | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Chlorobenzene               | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Chloroethane                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Chloroform                  | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Chloromethane               | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Dibromomethane              | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Ethylbenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Methylene Chloride          | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Naphthalene                 | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| o-Xylene                    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Styrene                     | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Toluene                     | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Trichloroethene             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Vinyl acetate               | ND     |           | 5.0  |     | ug/L |   |          | 03/06/21 16:26 | 1       |
| Vinyl chloride              | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:26 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 80 - 128 |          | 03/06/21 16:26 | 1       |
| 4-Bromofluorobenzene (Surr)  | 95        |           | 68 - 120 |          | 03/06/21 16:26 | 1       |
| Dibromofluoromethane         | 100       |           | 80 - 127 |          | 03/06/21 16:26 | 1       |
| Toluene-d8 (Surr)            | 98        |           | 80 - 120 |          | 03/06/21 16:26 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: LAX-03  
Date Collected: 02/25/21 11:45  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-3  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 2-Butanone                            | ND     |           | 5.0  |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Acetone                               | ND     |           | 8.0  |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Benzene                               | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Bromobenzene                          | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Bromoform                             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Bromomethane                          | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| cis-1,3-Dichloropropane               | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Chloroethane                          | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Chloroform                            | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Chloromethane                         | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Dibromomethane                        | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: LAX-03  
Date Collected: 02/25/21 11:45  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-3  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| o-Xylene                  | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| m,p-Xylene                | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Styrene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Toluene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Trichloroethene           | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Vinyl acetate             | ND     |           | 5.0  |     | ug/L |   |          | 03/06/21 17:17 | 1       |
| Vinyl chloride            | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:17 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104       |           | 80 - 128 |          | 03/06/21 17:17 | 1       |
| 4-Bromofluorobenzene (Surr)  | 91        |           | 68 - 120 |          | 03/06/21 17:17 | 1       |
| Dibromofluoromethane         | 100       |           | 80 - 127 |          | 03/06/21 17:17 | 1       |
| Toluene-d8 (Surr)            | 97        |           | 80 - 120 |          | 03/06/21 17:17 | 1       |

Client Sample ID: UAX-02  
Date Collected: 02/25/21 12:17  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-4  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 1,1-Dichloroethene                    | 3.2    |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UAX-02  
Date Collected: 02/25/21 12:17  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-4  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Acetone                     | ND     |           | 8.0  |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Benzene                     | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Bromobenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Bromochloromethane          | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Bromoform                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Bromomethane                | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Carbon disulfide            | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Chlorobenzene               | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Chloroethane                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Chloroform                  | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Chloromethane               | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Dibromomethane              | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Ethylbenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Methylene Chloride          | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Naphthalene                 | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| o-Xylene                    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Styrene                     | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Toluene                     | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Trichloroethene             | 4.1    |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Vinyl acetate               | ND     |           | 5.0  |     | ug/L |   |          | 03/06/21 16:52 | 1       |
| Vinyl chloride              | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 16:52 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 101       |           | 80 - 128 |          | 03/06/21 16:52 | 1       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 68 - 120 |          | 03/06/21 16:52 | 1       |
| Dibromofluoromethane         | 101       |           | 80 - 127 |          | 03/06/21 16:52 | 1       |
| Toluene-d8 (Surr)            | 99        |           | 80 - 120 |          | 03/06/21 16:52 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: HEW-04  
Date Collected: 02/25/21 12:43  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-5  
Matrix: Water

| Analyte                               | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 1,1,1-Trichloroethane                 | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 1,1,2-Trichloroethane                 | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 1,1-Dichloroethane                    | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 1,1-Dichloroethene                    | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 1,1-Dichloropropene                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 1,2,3-Trichlorobenzene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 1,2,3-Trichloropropane                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 1,2,4-Trichlorobenzene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 1,2,4-Trimethylbenzene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 1,2-Dibromoethane                     | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 1,2-Dichlorobenzene                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 1,2-Dichloroethane                    | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 1,2-Dichloropropane                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 1,3,5-Trimethylbenzene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 1,3-Dichlorobenzene                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 1,3-Dichloropropane                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 1,4-Dichlorobenzene                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 2,2-Dichloropropane                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 2-Butanone                            | ND     |           | 20  |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 2-Chlorotoluene                       | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 2-Hexanone                            | ND     |           | 24  |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 4-Chlorotoluene                       | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| 4-Methyl-2-pentanone                  | ND     |           | 20  |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Acetone                               | ND     |           | 32  |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Benzene                               | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Bromobenzene                          | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Bromochloromethane                    | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Bromodichloromethane                  | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Bromoform                             | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Bromomethane                          | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| cis-1,2-Dichloroethene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| cis-1,3-Dichloropropene               | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Carbon disulfide                      | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Carbon tetrachloride                  | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Chlorobenzene                         | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Chloroethane                          | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Chloroform                            | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Chloromethane                         | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Dibromochloromethane                  | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Dibromomethane                        | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Dichlorodifluoromethane               | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Ethylbenzene                          | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Isopropylbenzene                      | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Methylene Chloride                    | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HEW-04  
Date Collected: 02/25/21 12:43  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-5  
Matrix: Water

| Analyte                   | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| n-Butylbenzene            | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| N-Propylbenzene           | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| o-Xylene                  | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| m,p-Xylene                | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| p-Isopropyltoluene        | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| sec-Butylbenzene          | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Styrene                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| trans-1,2-Dichloroethene  | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| trans-1,3-Dichloropropene | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| tert-Butylbenzene         | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Tetrachloroethene         | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Toluene                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Trichloroethene           | 98     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Trichlorofluoromethane    | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Vinyl acetate             | ND     |           | 20  |     | ug/L |   |          | 03/06/21 13:01 | 4       |
| Vinyl chloride            | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:01 | 4       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 80 - 128 |          | 03/06/21 13:01 | 4       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 68 - 120 |          | 03/06/21 13:01 | 4       |
| Dibromofluoromethane         | 100       |           | 80 - 127 |          | 03/06/21 13:01 | 4       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 120 |          | 03/06/21 13:01 | 4       |

Client Sample ID: HEW-0400  
Date Collected: 02/25/21 13:13  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-6  
Matrix: Water

| Analyte                               | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 1,1,1-Trichloroethane                 | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 1,1,2-Trichloroethane                 | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 1,1-Dichloroethane                    | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 1,1-Dichloroethene                    | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 1,1-Dichloropropene                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 1,2,3-Trichlorobenzene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 1,2,3-Trichloropropane                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 1,2,4-Trichlorobenzene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 1,2,4-Trimethylbenzene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 1,2-Dibromoethane                     | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 1,2-Dichlorobenzene                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 1,2-Dichloroethane                    | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 1,2-Dichloropropane                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 1,3,5-Trimethylbenzene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 1,3-Dichlorobenzene                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 1,3-Dichloropropane                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 1,4-Dichlorobenzene                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 2,2-Dichloropropane                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HEW-0400  
Date Collected: 02/25/21 13:13  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-6  
Matrix: Water

| Analyte                     | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 20  |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 2-Chlorotoluene             | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 2-Hexanone                  | ND     |           | 24  |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 4-Chlorotoluene             | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| 4-Methyl-2-pentanone        | ND     |           | 20  |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Acetone                     | ND     |           | 32  |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Benzene                     | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Bromobenzene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Bromochloromethane          | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Bromodichloromethane        | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Bromoform                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Bromomethane                | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| cis-1,2-Dichloroethene      | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| cis-1,3-Dichloropropene     | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Carbon disulfide            | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Carbon tetrachloride        | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Chlorobenzene               | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Chloroethane                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Chloroform                  | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Chloromethane               | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Dibromochloromethane        | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Dibromomethane              | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Dichlorodifluoromethane     | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Ethylbenzene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Isopropylbenzene            | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Methylene Chloride          | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Naphthalene                 | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| n-Butylbenzene              | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| N-Propylbenzene             | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| o-Xylene                    | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| m,p-Xylene                  | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| p-Isopropyltoluene          | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| sec-Butylbenzene            | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Styrene                     | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| trans-1,2-Dichloroethene    | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| trans-1,3-Dichloropropene   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| tert-Butylbenzene           | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Tetrachloroethene           | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Toluene                     | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Trichloroethene             | 95     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Trichlorofluoromethane      | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Vinyl acetate               | ND     |           | 20  |     | ug/L |   |          | 03/06/21 13:27 | 4       |
| Vinyl chloride              | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 13:27 | 4       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104       |           | 80 - 128 |          | 03/06/21 13:27 | 4       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 68 - 120 |          | 03/06/21 13:27 | 4       |
| Dibromofluoromethane         | 103       |           | 80 - 127 |          | 03/06/21 13:27 | 4       |
| Toluene-d8 (Surr)            | 103       |           | 80 - 120 |          | 03/06/21 13:27 | 4       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: RB-022521  
Date Collected: 02/25/21 11:55  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-7  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 2-Butanone                            | ND     |           | 5.0  |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Acetone                               | ND     |           | 8.0  |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Benzene                               | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Bromobenzene                          | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Bromoform                             | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Bromomethane                          | ND     |           | 1.0  |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Chloroethane                          | ND     | +         | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Chloroform                            | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Chloromethane                         | ND     |           | 1.0  |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Dibromomethane                        | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: RB-022521  
Date Collected: 02/25/21 11:55  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-7  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| o-Xylene                  | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| m,p-Xylene                | ND     |           | 1.0  |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Styrene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Toluene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Trichloroethene           | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Vinyl acetate             | ND     |           | 5.0  |     | ug/L |   |          | 03/09/21 11:16 | 1       |
| Vinyl chloride            | ND     |           | 0.50 |     | ug/L |   |          | 03/09/21 11:16 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 100       |           | 80 - 128 |          | 03/09/21 11:16 | 1       |
| 4-Bromofluorobenzene (Surr)  | 95        |           | 68 - 120 |          | 03/09/21 11:16 | 1       |
| Dibromofluoromethane         | 99        |           | 80 - 127 |          | 03/09/21 11:16 | 1       |
| Toluene-d8 (Surr)            | 97        |           | 80 - 120 |          | 03/09/21 11:16 | 1       |

Client Sample ID: UAX-03  
Date Collected: 02/25/21 13:05  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-8  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 1,1-Dichloroethene                    | 0.53   |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UAX-03  
Date Collected: 02/25/21 13:05  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-8  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Acetone                     | ND     |           | 8.0  |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Benzene                     | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Bromobenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Bromochloromethane          | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Bromoform                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Bromomethane                | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Carbon disulfide            | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Chlorobenzene               | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Chloroethane                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Chloroform                  | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Chloromethane               | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Dibromomethane              | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Ethylbenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Methylene Chloride          | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Naphthalene                 | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| o-Xylene                    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Styrene                     | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Toluene                     | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Trichloroethene             | 9.3    |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Vinyl acetate               | ND     |           | 5.0  |     | ug/L |   |          | 03/06/21 17:43 | 1       |
| Vinyl chloride              | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 17:43 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104       |           | 80 - 128 |          | 03/06/21 17:43 | 1       |
| 4-Bromofluorobenzene (Surr)  | 88        |           | 68 - 120 |          | 03/06/21 17:43 | 1       |
| Dibromofluoromethane         | 100       |           | 80 - 127 |          | 03/06/21 17:43 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 03/06/21 17:43 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: HEW-02  
Date Collected: 02/25/21 13:29  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-9  
Matrix: Water

| Analyte                               | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 1,1,1-Trichloroethane                 | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 1,1,2-Trichloroethane                 | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 1,1-Dichloroethane                    | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 1,1-Dichloroethene                    | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 1,1-Dichloropropene                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 1,2,3-Trichlorobenzene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 1,2,3-Trichloropropane                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 1,2,4-Trichlorobenzene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 1,2,4-Trimethylbenzene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 1,2-Dibromoethane                     | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 1,2-Dichlorobenzene                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 1,2-Dichloroethane                    | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 1,2-Dichloropropane                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 1,3,5-Trimethylbenzene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 1,3-Dichlorobenzene                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 1,3-Dichloropropane                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 1,4-Dichlorobenzene                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 2,2-Dichloropropane                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 2-Butanone                            | ND     |           | 20  |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 2-Chlorotoluene                       | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 2-Hexanone                            | ND     |           | 24  |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 4-Chlorotoluene                       | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| 4-Methyl-2-pentanone                  | ND     |           | 20  |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Acetone                               | ND     |           | 32  |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Benzene                               | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Bromobenzene                          | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Bromochloromethane                    | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Bromodichloromethane                  | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Bromoform                             | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Bromomethane                          | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| cis-1,2-Dichloroethene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| cis-1,3-Dichloropropene               | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Carbon disulfide                      | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Carbon tetrachloride                  | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Chlorobenzene                         | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Chloroethane                          | ND     | F2        | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Chloroform                            | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Chloromethane                         | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Dibromochloromethane                  | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Dibromomethane                        | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Dichlorodifluoromethane               | ND     | F2        | 4.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Ethylbenzene                          | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Isopropylbenzene                      | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Methylene Chloride                    | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HEW-02  
Date Collected: 02/25/21 13:29  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-9  
Matrix: Water

| Analyte                   | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| n-Butylbenzene            | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| N-Propylbenzene           | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| o-Xylene                  | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| m,p-Xylene                | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| p-Isopropyltoluene        | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| sec-Butylbenzene          | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Styrene                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| trans-1,2-Dichloroethene  | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| trans-1,3-Dichloropropene | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| tert-Butylbenzene         | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Tetrachloroethene         | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Toluene                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Trichloroethene           | 110    | F1        | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Trichlorofluoromethane    | ND     | F2        | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Vinyl acetate             | ND     |           | 20  |     | ug/L |   |          | 03/06/21 12:36 | 4       |
| Vinyl chloride            | ND     | F2        | 2.0 |     | ug/L |   |          | 03/06/21 12:36 | 4       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 100       |           | 80 - 128 |          | 03/06/21 12:36 | 4       |
| 4-Bromofluorobenzene (Surr)  | 94        |           | 68 - 120 |          | 03/06/21 12:36 | 4       |
| Dibromofluoromethane         | 102       |           | 80 - 127 |          | 03/06/21 12:36 | 4       |
| Toluene-d8 (Surr)            | 106       |           | 80 - 120 |          | 03/06/21 12:36 | 4       |

Client Sample ID: HEW-05  
Date Collected: 02/25/21 13:48  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-10  
Matrix: Water

| Analyte                               | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 1,1,1-Trichloroethane                 | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 1,1,2-Trichloroethane                 | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 1,1-Dichloroethane                    | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 1,1-Dichloroethene                    | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 1,1-Dichloropropene                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 1,2,3-Trichlorobenzene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 1,2,3-Trichloropropane                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 1,2,4-Trichlorobenzene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 1,2,4-Trimethylbenzene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 1,2-Dibromoethane                     | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 1,2-Dichlorobenzene                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 1,2-Dichloroethane                    | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 1,2-Dichloropropane                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 1,3,5-Trimethylbenzene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 1,3-Dichlorobenzene                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 1,3-Dichloropropane                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 1,4-Dichlorobenzene                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 2,2-Dichloropropane                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HEW-05  
Date Collected: 02/25/21 13:48  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-10  
Matrix: Water

| Analyte                     | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 20  |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 2-Chlorotoluene             | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 2-Hexanone                  | ND     |           | 24  |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 4-Chlorotoluene             | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| 4-Methyl-2-pentanone        | ND     |           | 20  |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Acetone                     | ND     |           | 32  |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Benzene                     | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Bromobenzene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Bromochloromethane          | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Bromodichloromethane        | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Bromoform                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Bromomethane                | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| cis-1,2-Dichloroethene      | 5.0    |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| cis-1,3-Dichloropropene     | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Carbon disulfide            | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Carbon tetrachloride        | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Chlorobenzene               | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Chloroethane                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Chloroform                  | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Chloromethane               | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Dibromochloromethane        | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Dibromomethane              | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Dichlorodifluoromethane     | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Ethylbenzene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Isopropylbenzene            | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Methylene Chloride          | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Naphthalene                 | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| n-Butylbenzene              | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| N-Propylbenzene             | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| o-Xylene                    | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| m,p-Xylene                  | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| p-Isopropyltoluene          | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| sec-Butylbenzene            | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Styrene                     | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| trans-1,2-Dichloroethene    | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| trans-1,3-Dichloropropene   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| tert-Butylbenzene           | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Tetrachloroethene           | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Toluene                     | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Trichloroethene             | 140    |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Trichlorofluoromethane      | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Vinyl acetate               | ND     |           | 20  |     | ug/L |   |          | 03/06/21 19:26 | 4       |
| Vinyl chloride              | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:26 | 4       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 80 - 128 |          | 03/06/21 19:26 | 4       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 68 - 120 |          | 03/06/21 19:26 | 4       |
| Dibromofluoromethane         | 102       |           | 80 - 127 |          | 03/06/21 19:26 | 4       |
| Toluene-d8 (Surr)            | 106       |           | 80 - 120 |          | 03/06/21 19:26 | 4       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: UAX-01  
Date Collected: 02/25/21 14:30  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-11  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 1,1-Dichloroethene                    | 1.6    |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 2-Butanone                            | ND     |           | 5.0  |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Acetone                               | ND     |           | 8.0  |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Benzene                               | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Bromobenzene                          | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Bromoform                             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Bromomethane                          | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Chloroethane                          | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Chloroform                            | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Chloromethane                         | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Dibromomethane                        | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UAX-01

Date Collected: 02/25/21 14:30

Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-11

Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| o-Xylene                  | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| m,p-Xylene                | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Styrene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Toluene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Trichloroethene           | 2.5    |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Vinyl acetate             | ND     |           | 5.0  |     | ug/L |   |          | 03/06/21 18:09 | 1       |
| Vinyl chloride            | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:09 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 80 - 128 |          | 03/06/21 18:09 | 1       |
| 4-Bromofluorobenzene (Surr)  | 96        |           | 68 - 120 |          | 03/06/21 18:09 | 1       |
| Dibromofluoromethane         | 100       |           | 80 - 127 |          | 03/06/21 18:09 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 03/06/21 18:09 | 1       |

Client Sample ID: LAX-02

Date Collected: 02/26/21 08:30

Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-12

Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: LAX-02  
Date Collected: 02/26/21 08:30  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-12  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Acetone                     | ND     |           | 8.0  |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Benzene                     | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Bromobenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Bromochloromethane          | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Bromoform                   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Bromomethane                | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Carbon disulfide            | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Chlorobenzene               | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Chloroethane                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Chloroform                  | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Chloromethane               | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Dibromomethane              | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Ethylbenzene                | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Methylene Chloride          | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Naphthalene                 | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| o-Xylene                    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Styrene                     | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Toluene                     | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Trichloroethene             | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Vinyl acetate               | ND     |           | 5.0  |     | ug/L |   |          | 03/06/21 18:34 | 1       |
| Vinyl chloride              | ND     |           | 0.50 |     | ug/L |   |          | 03/06/21 18:34 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 80 - 128 |          | 03/06/21 18:34 | 1       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 68 - 120 |          | 03/06/21 18:34 | 1       |
| Dibromofluoromethane         | 99        |           | 80 - 127 |          | 03/06/21 18:34 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 03/06/21 18:34 | 1       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: HEW-01  
Date Collected: 02/26/21 08:52  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-13  
Matrix: Water

| Analyte                               | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 1,1,1-Trichloroethane                 | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 1,1,2-Trichloroethane                 | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 1,1-Dichloroethane                    | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 1,1-Dichloroethene                    | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 1,1-Dichloropropene                   | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 1,2,3-Trichlorobenzene                | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 1,2,3-Trichloropropane                | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 1,2,4-Trichlorobenzene                | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 1,2,4-Trimethylbenzene                | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 20  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 1,2-Dibromoethane                     | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 1,2-Dichlorobenzene                   | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 1,2-Dichloroethane                    | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 1,2-Dichloropropane                   | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 1,3,5-Trimethylbenzene                | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 1,3-Dichlorobenzene                   | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 1,3-Dichloropropane                   | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 1,4-Dichlorobenzene                   | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 2,2-Dichloropropane                   | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 2-Butanone                            | ND     |           | 100 |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 2-Chlorotoluene                       | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 2-Hexanone                            | ND     |           | 120 |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 4-Chlorotoluene                       | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| 4-Methyl-2-pentanone                  | ND     |           | 100 |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Acetone                               | ND     |           | 160 |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Benzene                               | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Bromobenzene                          | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Bromochloromethane                    | ND     |           | 20  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Bromodichloromethane                  | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Bromoform                             | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Bromomethane                          | ND     |           | 20  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| cis-1,2-Dichloroethene                | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| cis-1,3-Dichloropropane               | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Carbon disulfide                      | ND     |           | 20  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Carbon tetrachloride                  | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Chlorobenzene                         | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Chloroethane                          | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Chloroform                            | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Chloromethane                         | ND     |           | 20  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Dibromochloromethane                  | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Dibromomethane                        | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Dichlorodifluoromethane               | ND     |           | 20  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Ethylbenzene                          | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Isopropylbenzene                      | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Methylene Chloride                    | ND     |           | 20  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HEW-01  
Date Collected: 02/26/21 08:52  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-13  
Matrix: Water

| Analyte                   | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 20  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| n-Butylbenzene            | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| N-Propylbenzene           | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| o-Xylene                  | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| m,p-Xylene                | ND     |           | 20  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| p-Isopropyltoluene        | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| sec-Butylbenzene          | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Styrene                   | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| trans-1,2-Dichloroethene  | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| trans-1,3-Dichloropropene | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| tert-Butylbenzene         | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Tetrachloroethene         | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Toluene                   | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Trichloroethene           | 600    |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Trichlorofluoromethane    | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Vinyl acetate             | ND     |           | 100 |     | ug/L |   |          | 03/06/21 20:17 | 20      |
| Vinyl chloride            | ND     |           | 10  |     | ug/L |   |          | 03/06/21 20:17 | 20      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 80 - 128 |          | 03/06/21 20:17 | 20      |
| 4-Bromofluorobenzene (Surr)  | 91        |           | 68 - 120 |          | 03/06/21 20:17 | 20      |
| Dibromofluoromethane         | 99        |           | 80 - 127 |          | 03/06/21 20:17 | 20      |
| Toluene-d8 (Surr)            | 103       |           | 80 - 120 |          | 03/06/21 20:17 | 20      |

Client Sample ID: HEW-03  
Date Collected: 02/26/21 09:12  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-14  
Matrix: Water

| Analyte                               | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 1,1,1-Trichloroethane                 | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 1,1,2-Trichloroethane                 | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 1,1-Dichloroethane                    | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 1,1-Dichloroethene                    | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 1,1-Dichloropropene                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 1,2,3-Trichlorobenzene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 1,2,3-Trichloropropane                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 1,2,4-Trichlorobenzene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 1,2,4-Trimethylbenzene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 4.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 1,2-Dibromoethane                     | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 1,2-Dichlorobenzene                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 1,2-Dichloroethane                    | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 1,2-Dichloropropane                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 1,3,5-Trimethylbenzene                | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 1,3-Dichlorobenzene                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 1,3-Dichloropropane                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 1,4-Dichlorobenzene                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 2,2-Dichloropropane                   | ND     |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HEW-03  
Date Collected: 02/26/21 09:12  
Date Received: 02/26/21 11:44

Lab Sample ID: 570-52259-14  
Matrix: Water

| Analyte                     | Result     | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|------------|-----------|-----|-----|------|---|----------|----------------|---------|
| 2-Butanone                  | ND         |           | 20  |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 2-Chlorotoluene             | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 2-Hexanone                  | ND         |           | 24  |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 4-Chlorotoluene             | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| 4-Methyl-2-pentanone        | ND         |           | 20  |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Acetone                     | ND         |           | 32  |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Benzene                     | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Bromobenzene                | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Bromochloromethane          | ND         |           | 4.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Bromodichloromethane        | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Bromoform                   | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Bromomethane                | ND         |           | 4.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| cis-1,2-Dichloroethene      | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| cis-1,3-Dichloropropene     | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Carbon disulfide            | ND         |           | 4.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Carbon tetrachloride        | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Chlorobenzene               | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Chloroethane                | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Chloroform                  | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Chloromethane               | ND         |           | 4.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Dibromochloromethane        | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Dibromomethane              | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Dichlorodifluoromethane     | ND         |           | 4.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Ethylbenzene                | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Isopropylbenzene            | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Methylene Chloride          | ND         |           | 4.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Methyl-t-Butyl Ether (MTBE) | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Naphthalene                 | ND         |           | 4.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| n-Butylbenzene              | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| N-Propylbenzene             | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| o-Xylene                    | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| m,p-Xylene                  | ND         |           | 4.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| p-Isopropyltoluene          | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| sec-Butylbenzene            | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Styrene                     | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| trans-1,2-Dichloroethene    | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| trans-1,3-Dichloropropene   | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| tert-Butylbenzene           | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| <b>Tetrachloroethene</b>    | <b>2.5</b> |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Toluene                     | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| <b>Trichloroethene</b>      | <b>110</b> |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Trichlorofluoromethane      | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Vinyl acetate               | ND         |           | 20  |     | ug/L |   |          | 03/06/21 19:51 | 4       |
| Vinyl chloride              | ND         |           | 2.0 |     | ug/L |   |          | 03/06/21 19:51 | 4       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 101       |           | 80 - 128 |          | 03/06/21 19:51 | 4       |
| 4-Bromofluorobenzene (Surr)  | 87        |           | 68 - 120 |          | 03/06/21 19:51 | 4       |
| Dibromofluoromethane         | 99        |           | 80 - 127 |          | 03/06/21 19:51 | 4       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 03/06/21 19:51 | 4       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

**Client Sample ID: LAX-01**  
**Date Collected: 02/25/21 10:25**  
**Date Received: 02/26/21 11:44**

**Lab Sample ID: 570-52259-2**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |           | 0.50     |     | ug/L |   | 03/03/21 08:29 | 03/04/21 00:14 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 57        |           | 15 - 150 |     |      |   | 03/03/21 08:29 | 03/04/21 00:14 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 70        |           | 46 - 128 |     |      |   | 03/03/21 08:29 | 03/04/21 00:14 | 1       |

**Client Sample ID: LAX-03**  
**Date Collected: 02/25/21 11:45**  
**Date Received: 02/26/21 11:44**

**Lab Sample ID: 570-52259-3**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |           | 0.50     |     | ug/L |   | 03/03/21 08:29 | 03/04/21 00:29 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 50        |           | 15 - 150 |     |      |   | 03/03/21 08:29 | 03/04/21 00:29 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 74        |           | 46 - 128 |     |      |   | 03/03/21 08:29 | 03/04/21 00:29 | 1       |

**Client Sample ID: UAX-02**  
**Date Collected: 02/25/21 12:17**  
**Date Received: 02/26/21 11:44**

**Lab Sample ID: 570-52259-4**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 0.83      |           | 0.50     |     | ug/L |   | 03/03/21 08:29 | 03/04/21 00:44 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 56        |           | 15 - 150 |     |      |   | 03/03/21 08:29 | 03/04/21 00:44 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 65        |           | 46 - 128 |     |      |   | 03/03/21 08:29 | 03/04/21 00:44 | 1       |

**Client Sample ID: HEW-04**  
**Date Collected: 02/25/21 12:43**  
**Date Received: 02/26/21 11:44**

**Lab Sample ID: 570-52259-5**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 7.1       |           | 0.50     |     | ug/L |   | 03/03/21 08:29 | 03/04/21 00:58 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 57        |           | 15 - 150 |     |      |   | 03/03/21 08:29 | 03/04/21 00:58 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 74        |           | 46 - 128 |     |      |   | 03/03/21 08:29 | 03/04/21 00:58 | 1       |

**Client Sample ID: HEW-0400**  
**Date Collected: 02/25/21 13:13**  
**Date Received: 02/26/21 11:44**

**Lab Sample ID: 570-52259-6**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 6.7       |           | 0.50     |     | ug/L |   | 03/03/21 08:29 | 03/04/21 01:13 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 45        |           | 15 - 150 |     |      |   | 03/03/21 08:29 | 03/04/21 01:13 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 74        |           | 46 - 128 |     |      |   | 03/03/21 08:29 | 03/04/21 01:13 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

**Client Sample ID: RB-022521**  
**Date Collected: 02/25/21 11:55**  
**Date Received: 02/26/21 11:44**

**Lab Sample ID: 570-52259-7**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |           | 0.50     |     | ug/L |   | 03/03/21 08:29 | 03/04/21 01:28 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 52        |           | 15 - 150 |     |      |   | 03/03/21 08:29 | 03/04/21 01:28 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 69        |           | 46 - 128 |     |      |   | 03/03/21 08:29 | 03/04/21 01:28 | 1       |

**Client Sample ID: UAX-03**  
**Date Collected: 02/25/21 13:05**  
**Date Received: 02/26/21 11:44**

**Lab Sample ID: 570-52259-8**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |           | 0.50     |     | ug/L |   | 03/03/21 08:29 | 03/04/21 01:42 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 49        |           | 15 - 150 |     |      |   | 03/03/21 08:29 | 03/04/21 01:42 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 82        |           | 46 - 128 |     |      |   | 03/03/21 08:29 | 03/04/21 01:42 | 1       |

**Client Sample ID: HEW-02**  
**Date Collected: 02/25/21 13:29**  
**Date Received: 02/26/21 11:44**

**Lab Sample ID: 570-52259-9**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 0.74      |           | 0.50     |     | ug/L |   | 03/03/21 08:29 | 03/04/21 00:00 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 64        |           | 15 - 150 |     |      |   | 03/03/21 08:29 | 03/04/21 00:00 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 72        |           | 46 - 128 |     |      |   | 03/03/21 08:29 | 03/04/21 00:00 | 1       |

**Client Sample ID: HEW-05**  
**Date Collected: 02/25/21 13:48**  
**Date Received: 02/26/21 11:44**

**Lab Sample ID: 570-52259-10**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |           | 0.50     |     | ug/L |   | 03/03/21 08:29 | 03/04/21 01:57 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 51        |           | 15 - 150 |     |      |   | 03/03/21 08:29 | 03/04/21 01:57 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 73        |           | 46 - 128 |     |      |   | 03/03/21 08:29 | 03/04/21 01:57 | 1       |

**Client Sample ID: UAX-01**  
**Date Collected: 02/25/21 14:30**  
**Date Received: 02/26/21 11:44**

**Lab Sample ID: 570-52259-11**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |           | 0.50     |     | ug/L |   | 03/03/21 08:29 | 03/04/21 02:12 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 51        |           | 15 - 150 |     |      |   | 03/03/21 08:29 | 03/04/21 02:12 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 78        |           | 46 - 128 |     |      |   | 03/03/21 08:29 | 03/04/21 02:12 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

**Client Sample ID: LAX-02**  
**Date Collected: 02/26/21 08:30**  
**Date Received: 02/26/21 11:44**

**Lab Sample ID: 570-52259-12**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |           | 0.50     |     | ug/L |   | 03/03/21 08:29 | 03/04/21 02:26 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 50        |           | 15 - 150 |     |      |   | 03/03/21 08:29 | 03/04/21 02:26 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 77        |           | 46 - 128 |     |      |   | 03/03/21 08:29 | 03/04/21 02:26 | 1       |

**Client Sample ID: HEW-01**  
**Date Collected: 02/26/21 08:52**  
**Date Received: 02/26/21 11:44**

**Lab Sample ID: 570-52259-13**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 1.7       |           | 0.50     |     | ug/L |   | 03/03/21 08:29 | 03/04/21 02:41 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 51        |           | 15 - 150 |     |      |   | 03/03/21 08:29 | 03/04/21 02:41 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 75        |           | 46 - 128 |     |      |   | 03/03/21 08:29 | 03/04/21 02:41 | 1       |

**Client Sample ID: HEW-03**  
**Date Collected: 02/26/21 09:12**  
**Date Received: 02/26/21 11:44**

**Lab Sample ID: 570-52259-14**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |           | 0.50     |     | ug/L |   | 03/03/21 08:29 | 03/04/21 02:55 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 53        |           | 15 - 150 |     |      |   | 03/03/21 08:29 | 03/04/21 02:55 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 76        |           | 46 - 128 |     |      |   | 03/03/21 08:29 | 03/04/21 02:55 | 1       |

# Surrogate Summary

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID     | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                 |                  |                 |
|-------------------|------------------------|------------------------------------------------|-----------------|------------------|-----------------|
|                   |                        | DCA<br>(80-128)                                | BFB<br>(68-120) | DBFM<br>(80-127) | TOL<br>(80-120) |
| 570-52259-1       | TB-022521              | 97                                             | 90              | 97               | 100             |
| 570-52259-2       | LAX-01                 | 103                                            | 95              | 100              | 98              |
| 570-52259-3       | LAX-03                 | 104                                            | 91              | 100              | 97              |
| 570-52259-4       | UAX-02                 | 101                                            | 92              | 101              | 99              |
| 570-52259-5       | HEW-04                 | 105                                            | 92              | 100              | 102             |
| 570-52259-6       | HEW-0400               | 104                                            | 92              | 103              | 103             |
| 570-52259-7       | RB-022521              | 100                                            | 95              | 99               | 97              |
| 570-52259-8       | UAX-03                 | 104                                            | 88              | 100              | 100             |
| 570-52259-9       | HEW-02                 | 100                                            | 94              | 102              | 106             |
| 570-52259-9 MS    | HEW-02                 | 100                                            | 98              | 102              | 101             |
| 570-52259-9 MSD   | HEW-02                 | 102                                            | 100             | 103              | 100             |
| 570-52259-10      | HEW-05                 | 105                                            | 92              | 102              | 106             |
| 570-52259-11      | UAX-01                 | 103                                            | 96              | 100              | 100             |
| 570-52259-12      | LAX-02                 | 105                                            | 92              | 99               | 100             |
| 570-52259-13      | HEW-01                 | 106                                            | 91              | 99               | 103             |
| 570-52259-14      | HEW-03                 | 101                                            | 87              | 99               | 100             |
| LCS 570-134104/4  | Lab Control Sample     | 101                                            | 101             | 103              | 100             |
| LCS 570-134494/4  | Lab Control Sample     | 100                                            | 100             | 101              | 101             |
| LCSD 570-134104/5 | Lab Control Sample Dup | 105                                            | 102             | 103              | 100             |
| LCSD 570-134494/5 | Lab Control Sample Dup | 103                                            | 103             | 101              | 100             |
| MB 570-134104/7   | Method Blank           | 104                                            | 95              | 102              | 100             |
| MB 570-134494/7   | Method Blank           | 98                                             | 95              | 97               | 99              |

### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID   | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) |  |  |  |
|-----------------|------------------|------------------------------------------------|--|--|--|
|                 |                  | NBZ<br>(46-128)                                |  |  |  |
| 570-52259-2     | LAX-01           | 70                                             |  |  |  |
| 570-52259-3     | LAX-03           | 74                                             |  |  |  |
| 570-52259-4     | UAX-02           | 65                                             |  |  |  |
| 570-52259-5     | HEW-04           | 74                                             |  |  |  |
| 570-52259-6     | HEW-0400         | 74                                             |  |  |  |
| 570-52259-7     | RB-022521        | 69                                             |  |  |  |
| 570-52259-8     | UAX-03           | 82                                             |  |  |  |
| 570-52259-9     | HEW-02           | 72                                             |  |  |  |
| 570-52259-9 MS  | HEW-02           | 80                                             |  |  |  |
| 570-52259-9 MSD | HEW-02           | 70                                             |  |  |  |
| 570-52259-10    | HEW-05           | 73                                             |  |  |  |
| 570-52259-11    | UAX-01           | 78                                             |  |  |  |
| 570-52259-12    | LAX-02           | 77                                             |  |  |  |
| 570-52259-13    | HEW-01           | 75                                             |  |  |  |
| 570-52259-14    | HEW-03           | 76                                             |  |  |  |

# Surrogate Summary

Client: Hargis + Associates, Inc.

Job ID: 570-52259-1

Project/Site: Raytheon Full Scale/Bldg 684

**Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)**

**(Continued)**

**Matrix: Water**

**Prep Type: Total/NA**

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | NBZ<br>(46-128) |
|---------------------|------------------------|-----------------|
| LCS 570-133225/2-A  | Lab Control Sample     | 75              |
| LCSD 570-133225/3-A | Lab Control Sample Dup | 79              |
| MB 570-133225/1-A   | Method Blank           | 96              |

### Surrogate Legend

NBZ = Nitrobenzene-d5



# Isotope Dilution Summary

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

**Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)**

**Matrix: Water**

**Prep Type: Total/NA**

## Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | DXE<br>(15-150) |
|---------------------|------------------------|-----------------|
| 570-52259-2         | LAX-01                 | 57              |
| 570-52259-3         | LAX-03                 | 50              |
| 570-52259-4         | UAX-02                 | 56              |
| 570-52259-5         | HEW-04                 | 57              |
| 570-52259-6         | HEW-0400               | 45              |
| 570-52259-7         | RB-022521              | 52              |
| 570-52259-8         | UAX-03                 | 49              |
| 570-52259-9         | HEW-02                 | 64              |
| 570-52259-9 MS      | HEW-02                 | 61              |
| 570-52259-9 MSD     | HEW-02                 | 48              |
| 570-52259-10        | HEW-05                 | 51              |
| 570-52259-11        | UAX-01                 | 51              |
| 570-52259-12        | LAX-02                 | 50              |
| 570-52259-13        | HEW-01                 | 51              |
| 570-52259-14        | HEW-03                 | 53              |
| LCS 570-133225/2-A  | Lab Control Sample     | 50              |
| LCSD 570-133225/3-A | Lab Control Sample Dup | 71              |
| MB 570-133225/1-A   | Method Blank           | 62              |

### Surrogate Legend

DXE = 1,4-Dioxane-d8

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-134104/7

Matrix: Water

Analysis Batch: 134104

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB Result | MB Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|------|-----|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 1,1,1-Trichloroethane                 | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 1,1,2-Trichloroethane                 | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 1,1-Dichloroethane                    | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 1,1-Dichloroethene                    | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 1,1-Dichloropropene                   | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 1,2,3-Trichlorobenzene                | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 1,2,3-Trichloropropane                | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 1,2,4-Trichlorobenzene                | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 1,2,4-Trimethylbenzene                | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND        |              | 1.0  |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 1,2-Dibromoethane                     | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 1,2-Dichlorobenzene                   | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 1,2-Dichloroethane                    | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 1,2-Dichloropropane                   | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 1,3,5-Trimethylbenzene                | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 1,3-Dichlorobenzene                   | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 1,3-Dichloropropane                   | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 1,4-Dichlorobenzene                   | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 2,2-Dichloropropane                   | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 2-Butanone                            | ND        |              | 5.0  |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 2-Chlorotoluene                       | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 2-Hexanone                            | ND        |              | 6.0  |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 4-Chlorotoluene                       | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| 4-Methyl-2-pentanone                  | ND        |              | 5.0  |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Acetone                               | ND        |              | 8.0  |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Benzene                               | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Bromobenzene                          | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Bromochloromethane                    | ND        |              | 1.0  |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Bromodichloromethane                  | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Bromoform                             | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Bromomethane                          | ND        |              | 1.0  |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| cis-1,2-Dichloroethene                | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| cis-1,3-Dichloropropene               | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Carbon disulfide                      | ND        |              | 1.0  |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Carbon tetrachloride                  | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Chlorobenzene                         | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Chloroethane                          | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Chloroform                            | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Chloromethane                         | ND        |              | 1.0  |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Dibromochloromethane                  | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Dibromomethane                        | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Dichlorodifluoromethane               | ND        |              | 1.0  |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Ethylbenzene                          | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Isopropylbenzene                      | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Methylene Chloride                    | ND        |              | 1.0  |     | ug/L |   |          | 03/06/21 11:44 | 1       |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-134104/7

Matrix: Water

Analysis Batch: 134104

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB Result | MB Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|------|-----|------|---|----------|----------------|---------|
| Methyl-t-Butyl Ether (MTBE) | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Naphthalene                 | ND        |              | 1.0  |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| n-Butylbenzene              | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| N-Propylbenzene             | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| o-Xylene                    | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| m,p-Xylene                  | ND        |              | 1.0  |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| p-Isopropyltoluene          | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| sec-Butylbenzene            | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Styrene                     | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| trans-1,2-Dichloroethene    | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| trans-1,3-Dichloropropene   | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| tert-Butylbenzene           | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Tetrachloroethene           | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Toluene                     | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Trichloroethene             | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Trichlorofluoromethane      | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Vinyl acetate               | ND        |              | 5.0  |     | ug/L |   |          | 03/06/21 11:44 | 1       |
| Vinyl chloride              | ND        |              | 0.50 |     | ug/L |   |          | 03/06/21 11:44 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104          |              | 80 - 128 |          | 03/06/21 11:44 | 1       |
| 4-Bromofluorobenzene (Surr)  | 95           |              | 68 - 120 |          | 03/06/21 11:44 | 1       |
| Dibromofluoromethane         | 102          |              | 80 - 127 |          | 03/06/21 11:44 | 1       |
| Toluene-d8 (Surr)            | 100          |              | 80 - 120 |          | 03/06/21 11:44 | 1       |

Lab Sample ID: LCS 570-134104/4

Matrix: Water

Analysis Batch: 134104

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,1,1,2-Tetrachloroethane             | 10.0        | 10.06      |               | ug/L |   | 101  | 80 - 126     |
| 1,1,1-Trichloroethane                 | 10.0        | 10.31      |               | ug/L |   | 103  | 80 - 125     |
| 1,1,2,2-Tetrachloroethane             | 10.0        | 9.981      |               | ug/L |   | 100  | 80 - 120     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0        | 8.226      |               | ug/L |   | 82   | 51 - 140     |
| 1,1,2-Trichloroethane                 | 10.0        | 10.07      |               | ug/L |   | 101  | 80 - 120     |
| 1,1-Dichloroethane                    | 10.0        | 10.19      |               | ug/L |   | 102  | 77 - 120     |
| 1,1-Dichloroethene                    | 10.0        | 9.890      |               | ug/L |   | 99   | 74 - 128     |
| 1,1-Dichloropropene                   | 10.0        | 10.33      |               | ug/L |   | 103  | 79 - 125     |
| 1,2,3-Trichlorobenzene                | 10.0        | 10.51      |               | ug/L |   | 105  | 80 - 121     |
| 1,2,3-Trichloropropane                | 10.0        | 9.929      |               | ug/L |   | 99   | 80 - 120     |
| 1,2,4-Trichlorobenzene                | 10.0        | 10.52      |               | ug/L |   | 105  | 80 - 120     |
| 1,2,4-Trimethylbenzene                | 10.0        | 10.46      |               | ug/L |   | 105  | 80 - 122     |
| 1,2-Dibromo-3-Chloropropane           | 10.0        | 9.663      |               | ug/L |   | 97   | 67 - 120     |
| 1,2-Dibromoethane                     | 10.0        | 10.25      |               | ug/L |   | 103  | 80 - 120     |
| 1,2-Dichlorobenzene                   | 10.0        | 10.25      |               | ug/L |   | 102  | 80 - 120     |
| 1,2-Dichloroethane                    | 10.0        | 10.06      |               | ug/L |   | 101  | 80 - 123     |
| 1,2-Dichloropropane                   | 10.0        | 10.31      |               | ug/L |   | 103  | 80 - 120     |
| 1,3,5-Trimethylbenzene                | 10.0        | 10.59      |               | ug/L |   | 106  | 80 - 121     |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-134104/4

Matrix: Water

Analysis Batch: 134104

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,3-Dichlorobenzene         | 10.0        | 9.992      |               | ug/L |   | 100  | 80 - 120     |
| 1,3-Dichloropropane         | 10.0        | 10.22      |               | ug/L |   | 102  | 80 - 120     |
| 1,4-Dichlorobenzene         | 10.0        | 10.13      |               | ug/L |   | 101  | 80 - 120     |
| 2,2-Dichloropropane         | 10.0        | 10.50      |               | ug/L |   | 105  | 77 - 139     |
| 2-Butanone                  | 10.0        | 10.92      |               | ug/L |   | 109  | 50 - 127     |
| 2-Chlorotoluene             | 10.0        | 10.17      |               | ug/L |   | 102  | 80 - 120     |
| 2-Hexanone                  | 10.0        | 10.40      |               | ug/L |   | 104  | 66 - 129     |
| 4-Chlorotoluene             | 10.0        | 10.22      |               | ug/L |   | 102  | 80 - 120     |
| 4-Methyl-2-pentanone        | 10.0        | 9.604      |               | ug/L |   | 96   | 72 - 120     |
| Acetone                     | 10.0        | 8.242      |               | ug/L |   | 82   | 58 - 131     |
| Benzene                     | 10.0        | 10.35      |               | ug/L |   | 103  | 80 - 120     |
| Bromobenzene                | 10.0        | 10.31      |               | ug/L |   | 103  | 80 - 120     |
| Bromochloromethane          | 10.0        | 10.51      |               | ug/L |   | 105  | 80 - 120     |
| Bromodichloromethane        | 10.0        | 10.40      |               | ug/L |   | 104  | 80 - 126     |
| Bromoform                   | 10.0        | 9.837      |               | ug/L |   | 98   | 70 - 141     |
| Bromomethane                | 10.0        | 11.58      |               | ug/L |   | 116  | 50 - 150     |
| cis-1,2-Dichloroethene      | 10.0        | 10.44      |               | ug/L |   | 104  | 80 - 121     |
| cis-1,3-Dichloropropene     | 10.0        | 10.19      |               | ug/L |   | 102  | 80 - 120     |
| Carbon disulfide            | 10.0        | 10.33      |               | ug/L |   | 103  | 65 - 136     |
| Carbon tetrachloride        | 10.0        | 10.36      |               | ug/L |   | 104  | 75 - 142     |
| Chlorobenzene               | 10.0        | 10.20      |               | ug/L |   | 102  | 80 - 120     |
| Chloroethane                | 10.0        | 11.60      |               | ug/L |   | 116  | 74 - 123     |
| Chloroform                  | 10.0        | 10.43      |               | ug/L |   | 104  | 80 - 120     |
| Chloromethane               | 10.0        | 11.02      |               | ug/L |   | 110  | 54 - 140     |
| Dibromochloromethane        | 10.0        | 10.10      |               | ug/L |   | 101  | 80 - 128     |
| Dibromomethane              | 10.0        | 10.22      |               | ug/L |   | 102  | 80 - 120     |
| Dichlorodifluoromethane     | 10.0        | 9.623      |               | ug/L |   | 96   | 63 - 135     |
| Ethylbenzene                | 10.0        | 10.39      |               | ug/L |   | 104  | 80 - 120     |
| Isopropylbenzene            | 10.0        | 10.41      |               | ug/L |   | 104  | 80 - 121     |
| Methylene Chloride          | 10.0        | 9.621      |               | ug/L |   | 96   | 71 - 125     |
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 9.428      |               | ug/L |   | 94   | 70 - 121     |
| Naphthalene                 | 10.0        | 10.36      |               | ug/L |   | 104  | 80 - 125     |
| n-Butylbenzene              | 10.0        | 10.49      |               | ug/L |   | 105  | 80 - 124     |
| N-Propylbenzene             | 10.0        | 10.64      |               | ug/L |   | 106  | 80 - 121     |
| o-Xylene                    | 10.0        | 10.48      |               | ug/L |   | 105  | 80 - 120     |
| m,p-Xylene                  | 20.0        | 20.95      |               | ug/L |   | 105  | 80 - 120     |
| p-Isopropyltoluene          | 10.0        | 10.35      |               | ug/L |   | 104  | 80 - 121     |
| sec-Butylbenzene            | 10.0        | 10.49      |               | ug/L |   | 105  | 80 - 120     |
| Styrene                     | 10.0        | 10.50      |               | ug/L |   | 105  | 80 - 120     |
| trans-1,2-Dichloroethene    | 10.0        | 10.11      |               | ug/L |   | 101  | 74 - 121     |
| trans-1,3-Dichloropropene   | 10.0        | 10.49      |               | ug/L |   | 105  | 80 - 123     |
| tert-Butylbenzene           | 10.0        | 10.13      |               | ug/L |   | 101  | 80 - 120     |
| Tetrachloroethene           | 10.0        | 10.47      |               | ug/L |   | 105  | 80 - 126     |
| Toluene                     | 10.0        | 10.22      |               | ug/L |   | 102  | 80 - 120     |
| Trichloroethene             | 10.0        | 10.39      |               | ug/L |   | 104  | 80 - 120     |
| Trichlorofluoromethane      | 10.0        | 9.867      |               | ug/L |   | 99   | 74 - 137     |
| Vinyl acetate               | 10.0        | 11.87      |               | ug/L |   | 119  | 50 - 150     |
| Vinyl chloride              | 10.0        | 10.40      |               | ug/L |   | 104  | 72 - 126     |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-134104/4

Matrix: Water

Analysis Batch: 134104

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Surrogate                    | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|------------------------------|------------------|------------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 101              |                  | 80 - 128 |
| 4-Bromofluorobenzene (Surr)  | 101              |                  | 68 - 120 |
| Dibromofluoromethane         | 103              |                  | 80 - 127 |
| Toluene-d8 (Surr)            | 100              |                  | 80 - 120 |

Lab Sample ID: LCSD 570-134104/5

Matrix: Water

Analysis Batch: 134104

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|---------------------------------------|----------------|----------------|-------------------|------|---|------|-----------------|-----|--------------|
| 1,1,1,2-Tetrachloroethane             | 10.0           | 9.560          |                   | ug/L |   | 96   | 80 - 126        | 5   | 20           |
| 1,1,1-Trichloroethane                 | 10.0           | 9.959          |                   | ug/L |   | 100  | 80 - 125        | 3   | 20           |
| 1,1,2,2-Tetrachloroethane             | 10.0           | 9.384          |                   | ug/L |   | 94   | 80 - 120        | 6   | 20           |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0           | 8.206          |                   | ug/L |   | 82   | 51 - 140        | 0   | 20           |
| 1,1,2-Trichloroethane                 | 10.0           | 10.00          |                   | ug/L |   | 100  | 80 - 120        | 1   | 20           |
| 1,1-Dichloroethane                    | 10.0           | 9.757          |                   | ug/L |   | 98   | 77 - 120        | 4   | 20           |
| 1,1-Dichloroethene                    | 10.0           | 9.581          |                   | ug/L |   | 96   | 74 - 128        | 3   | 20           |
| 1,1-Dichloropropene                   | 10.0           | 9.936          |                   | ug/L |   | 99   | 79 - 125        | 4   | 20           |
| 1,2,3-Trichlorobenzene                | 10.0           | 9.585          |                   | ug/L |   | 96   | 80 - 121        | 9   | 20           |
| 1,2,3-Trichloropropane                | 10.0           | 9.725          |                   | ug/L |   | 97   | 80 - 120        | 2   | 20           |
| 1,2,4-Trichlorobenzene                | 10.0           | 9.687          |                   | ug/L |   | 97   | 80 - 120        | 8   | 20           |
| 1,2,4-Trimethylbenzene                | 10.0           | 9.343          |                   | ug/L |   | 93   | 80 - 122        | 11  | 20           |
| 1,2-Dibromo-3-Chloropropane           | 10.0           | 9.164          |                   | ug/L |   | 92   | 67 - 120        | 5   | 20           |
| 1,2-Dibromoethane                     | 10.0           | 10.07          |                   | ug/L |   | 101  | 80 - 120        | 2   | 20           |
| 1,2-Dichlorobenzene                   | 10.0           | 9.308          |                   | ug/L |   | 93   | 80 - 120        | 10  | 20           |
| 1,2-Dichloroethane                    | 10.0           | 10.15          |                   | ug/L |   | 101  | 80 - 123        | 1   | 20           |
| 1,2-Dichloropropane                   | 10.0           | 9.987          |                   | ug/L |   | 100  | 80 - 120        | 3   | 20           |
| 1,3,5-Trimethylbenzene                | 10.0           | 9.825          |                   | ug/L |   | 98   | 80 - 121        | 7   | 20           |
| 1,3-Dichlorobenzene                   | 10.0           | 8.957          |                   | ug/L |   | 90   | 80 - 120        | 11  | 20           |
| 1,3-Dichloropropane                   | 10.0           | 10.07          |                   | ug/L |   | 101  | 80 - 120        | 1   | 20           |
| 1,4-Dichlorobenzene                   | 10.0           | 9.119          |                   | ug/L |   | 91   | 80 - 120        | 10  | 20           |
| 2,2-Dichloropropane                   | 10.0           | 10.26          |                   | ug/L |   | 103  | 77 - 139        | 2   | 20           |
| 2-Butanone                            | 10.0           | 10.22          |                   | ug/L |   | 102  | 50 - 127        | 7   | 26           |
| 2-Chlorotoluene                       | 10.0           | 9.672          |                   | ug/L |   | 97   | 80 - 120        | 5   | 20           |
| 2-Hexanone                            | 10.0           | 9.548          |                   | ug/L |   | 95   | 66 - 129        | 9   | 21           |
| 4-Chlorotoluene                       | 10.0           | 9.161          |                   | ug/L |   | 92   | 80 - 120        | 11  | 20           |
| 4-Methyl-2-pentanone                  | 10.0           | 9.930          |                   | ug/L |   | 99   | 72 - 120        | 3   | 20           |
| Acetone                               | 10.0           | 9.329          |                   | ug/L |   | 93   | 58 - 131        | 12  | 30           |
| Benzene                               | 10.0           | 9.895          |                   | ug/L |   | 99   | 80 - 120        | 4   | 20           |
| Bromobenzene                          | 10.0           | 9.837          |                   | ug/L |   | 98   | 80 - 120        | 5   | 20           |
| Bromochloromethane                    | 10.0           | 10.44          |                   | ug/L |   | 104  | 80 - 120        | 1   | 20           |
| Bromodichloromethane                  | 10.0           | 10.18          |                   | ug/L |   | 102  | 80 - 126        | 2   | 20           |
| Bromoform                             | 10.0           | 9.388          |                   | ug/L |   | 94   | 70 - 141        | 5   | 20           |
| Bromomethane                          | 10.0           | 11.43          |                   | ug/L |   | 114  | 50 - 150        | 1   | 22           |
| cis-1,2-Dichloroethene                | 10.0           | 10.40          |                   | ug/L |   | 104  | 80 - 121        | 0   | 20           |
| cis-1,3-Dichloropropene               | 10.0           | 9.957          |                   | ug/L |   | 100  | 80 - 120        | 2   | 20           |
| Carbon disulfide                      | 10.0           | 9.979          |                   | ug/L |   | 100  | 65 - 136        | 3   | 20           |
| Carbon tetrachloride                  | 10.0           | 10.18          |                   | ug/L |   | 102  | 75 - 142        | 2   | 20           |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-134104/5

Matrix: Water

Analysis Batch: 134104

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                     | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Chlorobenzene               | 10.0        | 9.566       |                | ug/L |   | 96   | 80 - 120     | 6   | 20        |
| Chloroethane                | 10.0        | 11.44       |                | ug/L |   | 114  | 74 - 123     | 1   | 20        |
| Chloroform                  | 10.0        | 10.36       |                | ug/L |   | 104  | 80 - 120     | 1   | 20        |
| Chloromethane               | 10.0        | 10.91       |                | ug/L |   | 109  | 54 - 140     | 1   | 20        |
| Dibromochloromethane        | 10.0        | 9.754       |                | ug/L |   | 98   | 80 - 128     | 3   | 20        |
| Dibromomethane              | 10.0        | 10.15       |                | ug/L |   | 101  | 80 - 120     | 1   | 20        |
| Dichlorodifluoromethane     | 10.0        | 9.502       |                | ug/L |   | 95   | 63 - 135     | 1   | 20        |
| Ethylbenzene                | 10.0        | 9.647       |                | ug/L |   | 96   | 80 - 120     | 7   | 20        |
| Isopropylbenzene            | 10.0        | 9.766       |                | ug/L |   | 98   | 80 - 121     | 6   | 20        |
| Methylene Chloride          | 10.0        | 9.386       |                | ug/L |   | 94   | 71 - 125     | 2   | 20        |
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 9.470       |                | ug/L |   | 95   | 70 - 121     | 0   | 20        |
| Naphthalene                 | 10.0        | 9.644       |                | ug/L |   | 96   | 80 - 125     | 7   | 20        |
| n-Butylbenzene              | 10.0        | 9.332       |                | ug/L |   | 93   | 80 - 124     | 12  | 20        |
| N-Propylbenzene             | 10.0        | 9.885       |                | ug/L |   | 99   | 80 - 121     | 7   | 20        |
| o-Xylene                    | 10.0        | 9.722       |                | ug/L |   | 97   | 80 - 120     | 8   | 20        |
| m,p-Xylene                  | 20.0        | 19.74       |                | ug/L |   | 99   | 80 - 120     | 6   | 20        |
| p-Isopropyltoluene          | 10.0        | 9.180       |                | ug/L |   | 92   | 80 - 121     | 12  | 20        |
| sec-Butylbenzene            | 10.0        | 9.168       |                | ug/L |   | 92   | 80 - 120     | 13  | 20        |
| Styrene                     | 10.0        | 9.982       |                | ug/L |   | 100  | 80 - 120     | 5   | 20        |
| trans-1,2-Dichloroethene    | 10.0        | 9.728       |                | ug/L |   | 97   | 74 - 121     | 4   | 20        |
| trans-1,3-Dichloropropene   | 10.0        | 9.885       |                | ug/L |   | 99   | 80 - 123     | 6   | 20        |
| tert-Butylbenzene           | 10.0        | 9.030       |                | ug/L |   | 90   | 80 - 120     | 11  | 20        |
| Tetrachloroethene           | 10.0        | 9.833       |                | ug/L |   | 98   | 80 - 126     | 6   | 20        |
| Toluene                     | 10.0        | 9.897       |                | ug/L |   | 99   | 80 - 120     | 3   | 20        |
| Trichloroethene             | 10.0        | 9.864       |                | ug/L |   | 99   | 80 - 120     | 5   | 20        |
| Trichlorofluoromethane      | 10.0        | 9.516       |                | ug/L |   | 95   | 74 - 137     | 4   | 20        |
| Vinyl acetate               | 10.0        | 11.75       |                | ug/L |   | 118  | 50 - 150     | 1   | 28        |
| Vinyl chloride              | 10.0        | 10.05       |                | ug/L |   | 101  | 72 - 126     | 3   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 105            |                | 80 - 128 |
| 4-Bromofluorobenzene (Surr)  | 102            |                | 68 - 120 |
| Dibromofluoromethane         | 103            |                | 80 - 127 |
| Toluene-d8 (Surr)            | 100            |                | 80 - 120 |

Lab Sample ID: 570-52259-9 MS

Matrix: Water

Analysis Batch: 134104

Client Sample ID: HEW-02

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,1,1,2-Tetrachloroethane             | ND            |                  | 40.0        | 38.97     |              | ug/L |   | 97   | 75 - 127     |
| 1,1,1-Trichloroethane                 | ND            |                  | 40.0        | 37.80     |              | ug/L |   | 94   | 72 - 132     |
| 1,1,2,2-Tetrachloroethane             | ND            |                  | 40.0        | 42.26     |              | ug/L |   | 106  | 75 - 132     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |                  | 40.0        | 34.13     |              | ug/L |   | 85   | 70 - 130     |
| 1,1,2-Trichloroethane                 | ND            |                  | 40.0        | 41.17     |              | ug/L |   | 103  | 75 - 125     |
| 1,1-Dichloroethane                    | ND            |                  | 40.0        | 36.78     |              | ug/L |   | 92   | 68 - 128     |
| 1,1-Dichloroethene                    | ND            |                  | 40.0        | 36.55     |              | ug/L |   | 91   | 66 - 126     |
| 1,1-Dichloropropene                   | ND            |                  | 40.0        | 38.76     |              | ug/L |   | 97   | 74 - 134     |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-52259-9 MS

Matrix: Water

Analysis Batch: 134104

Client Sample ID: HEW-02

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,2,3-Trichlorobenzene      | ND            |                  | 40.0        | 41.75     |              | ug/L |   | 104  | 75 - 125     |
| 1,2,3-Trichloropropane      | ND            |                  | 40.0        | 39.25     |              | ug/L |   | 98   | 75 - 125     |
| 1,2,4-Trichlorobenzene      | ND            |                  | 40.0        | 41.67     |              | ug/L |   | 104  | 75 - 125     |
| 1,2,4-Trimethylbenzene      | ND            |                  | 40.0        | 41.35     |              | ug/L |   | 103  | 75 - 125     |
| 1,2-Dibromo-3-Chloropropane | ND            |                  | 40.0        | 40.84     |              | ug/L |   | 102  | 75 - 127     |
| 1,2-Dibromoethane           | ND            |                  | 40.0        | 40.18     |              | ug/L |   | 100  | 75 - 126     |
| 1,2-Dichlorobenzene         | ND            |                  | 40.0        | 41.81     |              | ug/L |   | 105  | 75 - 125     |
| 1,2-Dichloroethane          | ND            |                  | 40.0        | 38.95     |              | ug/L |   | 97   | 75 - 127     |
| 1,2-Dichloropropane         | ND            |                  | 40.0        | 39.00     |              | ug/L |   | 98   | 75 - 125     |
| 1,3,5-Trimethylbenzene      | ND            |                  | 40.0        | 39.42     |              | ug/L |   | 99   | 75 - 127     |
| 1,3-Dichlorobenzene         | ND            |                  | 40.0        | 39.86     |              | ug/L |   | 100  | 75 - 126     |
| 1,3-Dichloropropane         | ND            |                  | 40.0        | 40.32     |              | ug/L |   | 101  | 75 - 125     |
| 1,4-Dichlorobenzene         | ND            |                  | 40.0        | 40.17     |              | ug/L |   | 100  | 75 - 125     |
| 2,2-Dichloropropane         | ND            |                  | 40.0        | 39.65     |              | ug/L |   | 99   | 52 - 160     |
| 2-Butanone                  | ND            |                  | 40.0        | 40.66     |              | ug/L |   | 102  | 20 - 180     |
| 2-Chlorotoluene             | ND            |                  | 40.0        | 38.32     |              | ug/L |   | 96   | 75 - 128     |
| 2-Hexanone                  | ND            |                  | 40.0        | 40.09     |              | ug/L |   | 100  | 74 - 122     |
| 4-Chlorotoluene             | ND            |                  | 40.0        | 40.95     |              | ug/L |   | 102  | 75 - 125     |
| 4-Methyl-2-pentanone        | ND            |                  | 40.0        | 37.60     |              | ug/L |   | 94   | 65 - 137     |
| Acetone                     | ND            |                  | 40.0        | ND        |              | ug/L |   | 75   | 20 - 180     |
| Benzene                     | ND            |                  | 40.0        | 37.68     |              | ug/L |   | 94   | 75 - 125     |
| Bromobenzene                | ND            |                  | 40.0        | 39.39     |              | ug/L |   | 98   | 75 - 128     |
| Bromochloromethane          | ND            |                  | 40.0        | 38.96     |              | ug/L |   | 97   | 75 - 128     |
| Bromodichloromethane        | ND            |                  | 40.0        | 39.94     |              | ug/L |   | 100  | 75 - 125     |
| Bromoform                   | ND            |                  | 40.0        | 41.49     |              | ug/L |   | 104  | 71 - 137     |
| Bromomethane                | ND            |                  | 40.0        | 42.23     |              | ug/L |   | 106  | 37 - 181     |
| cis-1,2-Dichloroethene      | ND            |                  | 40.0        | 40.37     |              | ug/L |   | 101  | 75 - 130     |
| cis-1,3-Dichloropropene     | ND            |                  | 40.0        | 37.78     |              | ug/L |   | 94   | 75 - 128     |
| Carbon disulfide            | ND            |                  | 40.0        | 37.67     |              | ug/L |   | 94   | 58 - 136     |
| Carbon tetrachloride        | ND            |                  | 40.0        | 38.47     |              | ug/L |   | 96   | 69 - 135     |
| Chlorobenzene               | ND            |                  | 40.0        | 38.67     |              | ug/L |   | 97   | 75 - 125     |
| Chloroethane                | ND            | F2               | 40.0        | 38.26     |              | ug/L |   | 96   | 20 - 180     |
| Chloroform                  | ND            |                  | 40.0        | 39.51     |              | ug/L |   | 99   | 75 - 129     |
| Chloromethane               | ND            |                  | 40.0        | 38.03     |              | ug/L |   | 95   | 41 - 149     |
| Dibromochloromethane        | ND            |                  | 40.0        | 39.91     |              | ug/L |   | 100  | 75 - 125     |
| Dibromomethane              | ND            |                  | 40.0        | 40.55     |              | ug/L |   | 101  | 75 - 129     |
| Dichlorodifluoromethane     | ND            | F2               | 40.0        | 33.30     |              | ug/L |   | 83   | 28 - 172     |
| Ethylbenzene                | ND            |                  | 40.0        | 38.80     |              | ug/L |   | 97   | 75 - 125     |
| Isopropylbenzene            | ND            |                  | 40.0        | 38.65     |              | ug/L |   | 97   | 75 - 130     |
| Methylene Chloride          | ND            |                  | 40.0        | 36.11     |              | ug/L |   | 90   | 74 - 128     |
| Methyl-t-Butyl Ether (MTBE) | ND            |                  | 40.0        | 35.30     |              | ug/L |   | 88   | 71 - 131     |
| Naphthalene                 | ND            |                  | 40.0        | 40.76     |              | ug/L |   | 102  | 75 - 136     |
| n-Butylbenzene              | ND            |                  | 40.0        | 41.52     |              | ug/L |   | 104  | 75 - 125     |
| N-Propylbenzene             | ND            |                  | 40.0        | 39.36     |              | ug/L |   | 98   | 75 - 129     |
| o-Xylene                    | ND            |                  | 40.0        | 39.50     |              | ug/L |   | 99   | 75 - 127     |
| m,p-Xylene                  | ND            |                  | 80.0        | 78.82     |              | ug/L |   | 99   | 75 - 125     |
| p-Isopropyltoluene          | ND            |                  | 40.0        | 40.93     |              | ug/L |   | 102  | 75 - 125     |
| sec-Butylbenzene            | ND            |                  | 40.0        | 40.89     |              | ug/L |   | 102  | 75 - 129     |
| Styrene                     | ND            |                  | 40.0        | 40.14     |              | ug/L |   | 100  | 28 - 166     |

Eurofins Calscience LLC



# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-52259-9 MS

Matrix: Water

Analysis Batch: 134104

Client Sample ID: HEW-02

Prep Type: Total/NA

| Analyte                      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| trans-1,2-Dichloroethene     | ND            |                  | 40.0        | 36.91     |              | ug/L |   | 92   | 73 - 133     |
| trans-1,3-Dichloropropene    | ND            |                  | 40.0        | 41.89     |              | ug/L |   | 105  | 75 - 125     |
| tert-Butylbenzene            | ND            |                  | 40.0        | 39.82     |              | ug/L |   | 100  | 75 - 129     |
| Tetrachloroethene            | ND            |                  | 40.0        | 39.86     |              | ug/L |   | 100  | 58 - 124     |
| Toluene                      | ND            |                  | 40.0        | 38.14     |              | ug/L |   | 95   | 75 - 125     |
| Trichloroethene              | 110           | F1               | 40.0        | 133.9     | F1           | ug/L |   | 49   | 75 - 125     |
| Trichlorofluoromethane       | ND            | F2               | 40.0        | 33.12     |              | ug/L |   | 83   | 68 - 134     |
| Vinyl acetate                | ND            |                  | 40.0        | 45.85     |              | ug/L |   | 115  | 65 - 137     |
| Vinyl chloride               | ND            | F2               | 40.0        | 32.84     |              | ug/L |   | 82   | 52 - 142     |
| Surrogate                    | MS %Recovery  | MS Qualifier     | Limits      |           |              |      |   |      |              |
| 1,2-Dichloroethane-d4 (Surr) | 100           |                  | 80 - 128    |           |              |      |   |      |              |
| 4-Bromofluorobenzene (Surr)  | 98            |                  | 68 - 120    |           |              |      |   |      |              |
| Dibromofluoromethane         | 102           |                  | 80 - 127    |           |              |      |   |      |              |
| Toluene-d8 (Surr)            | 101           |                  | 80 - 120    |           |              |      |   |      |              |

Lab Sample ID: 570-52259-9 MSD

Matrix: Water

Analysis Batch: 134104

Client Sample ID: HEW-02

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane             | ND            |                  | 40.0        | 38.41      |               | ug/L |   | 96   | 75 - 127     | 1   | 20        |
| 1,1,1-Trichloroethane                 | ND            |                  | 40.0        | 39.05      |               | ug/L |   | 98   | 72 - 132     | 3   | 20        |
| 1,1,2,2-Tetrachloroethane             | ND            |                  | 40.0        | 39.40      |               | ug/L |   | 99   | 75 - 132     | 7   | 20        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |                  | 40.0        | 36.04      |               | ug/L |   | 90   | 70 - 130     | 5   | 20        |
| 1,1,2-Trichloroethane                 | ND            |                  | 40.0        | 38.91      |               | ug/L |   | 97   | 75 - 125     | 6   | 20        |
| 1,1-Dichloroethane                    | ND            |                  | 40.0        | 38.50      |               | ug/L |   | 96   | 68 - 128     | 5   | 20        |
| 1,1-Dichloroethene                    | ND            |                  | 40.0        | 38.55      |               | ug/L |   | 96   | 66 - 126     | 5   | 20        |
| 1,1-Dichloropropene                   | ND            |                  | 40.0        | 39.98      |               | ug/L |   | 100  | 74 - 134     | 3   | 20        |
| 1,2,3-Trichlorobenzene                | ND            |                  | 40.0        | 40.43      |               | ug/L |   | 101  | 75 - 125     | 3   | 20        |
| 1,2,3-Trichloropropane                | ND            |                  | 40.0        | 38.51      |               | ug/L |   | 96   | 75 - 125     | 2   | 20        |
| 1,2,4-Trichlorobenzene                | ND            |                  | 40.0        | 39.88      |               | ug/L |   | 100  | 75 - 125     | 4   | 20        |
| 1,2,4-Trimethylbenzene                | ND            |                  | 40.0        | 38.53      |               | ug/L |   | 96   | 75 - 125     | 7   | 20        |
| 1,2-Dibromo-3-Chloropropane           | ND            |                  | 40.0        | 34.79      |               | ug/L |   | 87   | 75 - 127     | 16  | 20        |
| 1,2-Dibromoethane                     | ND            |                  | 40.0        | 39.15      |               | ug/L |   | 98   | 75 - 126     | 3   | 20        |
| 1,2-Dichlorobenzene                   | ND            |                  | 40.0        | 39.26      |               | ug/L |   | 98   | 75 - 125     | 6   | 20        |
| 1,2-Dichloroethane                    | ND            |                  | 40.0        | 39.81      |               | ug/L |   | 100  | 75 - 127     | 2   | 20        |
| 1,2-Dichloropropane                   | ND            |                  | 40.0        | 39.43      |               | ug/L |   | 99   | 75 - 125     | 1   | 20        |
| 1,3,5-Trimethylbenzene                | ND            |                  | 40.0        | 39.47      |               | ug/L |   | 99   | 75 - 127     | 0   | 20        |
| 1,3-Dichlorobenzene                   | ND            |                  | 40.0        | 37.59      |               | ug/L |   | 94   | 75 - 126     | 6   | 20        |
| 1,3-Dichloropropane                   | ND            |                  | 40.0        | 39.44      |               | ug/L |   | 99   | 75 - 125     | 2   | 20        |
| 1,4-Dichlorobenzene                   | ND            |                  | 40.0        | 38.29      |               | ug/L |   | 96   | 75 - 125     | 5   | 20        |
| 2,2-Dichloropropane                   | ND            |                  | 40.0        | 41.18      |               | ug/L |   | 103  | 52 - 160     | 4   | 20        |
| 2-Butanone                            | ND            |                  | 40.0        | 41.00      |               | ug/L |   | 102  | 20 - 180     | 1   | 40        |
| 2-Chlorotoluene                       | ND            |                  | 40.0        | 38.31      |               | ug/L |   | 96   | 75 - 128     | 0   | 20        |
| 2-Hexanone                            | ND            |                  | 40.0        | 40.26      |               | ug/L |   | 101  | 74 - 122     | 0   | 20        |
| 4-Chlorotoluene                       | ND            |                  | 40.0        | 38.49      |               | ug/L |   | 96   | 75 - 125     | 6   | 20        |
| 4-Methyl-2-pentanone                  | ND            |                  | 40.0        | 38.04      |               | ug/L |   | 95   | 65 - 137     | 1   | 20        |

Eurofins Calscience LLC



# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-52259-9 MSD

Matrix: Water

Analysis Batch: 134104

Client Sample ID: HEW-02

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Acetone                     | ND            |                  | 40.0        | 37.98      |               | ug/L |   | 95   | 20 - 180     | 23  | 52        |
| Benzene                     | ND            |                  | 40.0        | 39.12      |               | ug/L |   | 98   | 75 - 125     | 4   | 20        |
| Bromobenzene                | ND            |                  | 40.0        | 39.06      |               | ug/L |   | 98   | 75 - 128     | 1   | 20        |
| Bromochloromethane          | ND            |                  | 40.0        | 41.29      |               | ug/L |   | 103  | 75 - 128     | 6   | 20        |
| Bromodichloromethane        | ND            |                  | 40.0        | 41.44      |               | ug/L |   | 104  | 75 - 125     | 4   | 20        |
| Bromoform                   | ND            |                  | 40.0        | 37.37      |               | ug/L |   | 93   | 71 - 137     | 10  | 20        |
| Bromomethane                | ND            |                  | 40.0        | 45.47      |               | ug/L |   | 114  | 37 - 181     | 7   | 22        |
| cis-1,2-Dichloroethene      | ND            |                  | 40.0        | 41.48      |               | ug/L |   | 104  | 75 - 130     | 3   | 20        |
| cis-1,3-Dichloropropene     | ND            |                  | 40.0        | 39.87      |               | ug/L |   | 100  | 75 - 128     | 5   | 20        |
| Carbon disulfide            | ND            |                  | 40.0        | 39.57      |               | ug/L |   | 99   | 58 - 136     | 5   | 20        |
| Carbon tetrachloride        | ND            |                  | 40.0        | 40.66      |               | ug/L |   | 102  | 69 - 135     | 6   | 20        |
| Chlorobenzene               | ND            |                  | 40.0        | 38.15      |               | ug/L |   | 95   | 75 - 125     | 1   | 20        |
| Chloroethane                | ND            | F2               | 40.0        | 47.40      | F2            | ug/L |   | 119  | 20 - 180     | 21  | 20        |
| Chloroform                  | ND            |                  | 40.0        | 40.69      |               | ug/L |   | 102  | 75 - 129     | 3   | 20        |
| Chloromethane               | ND            |                  | 40.0        | 44.12      |               | ug/L |   | 110  | 41 - 149     | 15  | 20        |
| Dibromochloromethane        | ND            |                  | 40.0        | 38.66      |               | ug/L |   | 97   | 75 - 125     | 3   | 20        |
| Dibromomethane              | ND            |                  | 40.0        | 40.16      |               | ug/L |   | 100  | 75 - 129     | 1   | 20        |
| Dichlorodifluoromethane     | ND            | F2               | 40.0        | 43.42      | F2            | ug/L |   | 109  | 28 - 172     | 26  | 20        |
| Ethylbenzene                | ND            |                  | 40.0        | 38.75      |               | ug/L |   | 97   | 75 - 125     | 0   | 20        |
| Isopropylbenzene            | ND            |                  | 40.0        | 38.75      |               | ug/L |   | 97   | 75 - 130     | 0   | 20        |
| Methylene Chloride          | ND            |                  | 40.0        | 37.39      |               | ug/L |   | 93   | 74 - 128     | 3   | 20        |
| Methyl-t-Butyl Ether (MTBE) | ND            |                  | 40.0        | 36.82      |               | ug/L |   | 92   | 71 - 131     | 4   | 20        |
| Naphthalene                 | ND            |                  | 40.0        | 38.80      |               | ug/L |   | 97   | 75 - 136     | 5   | 20        |
| n-Butylbenzene              | ND            |                  | 40.0        | 39.33      |               | ug/L |   | 98   | 75 - 125     | 5   | 20        |
| N-Propylbenzene             | ND            |                  | 40.0        | 38.91      |               | ug/L |   | 97   | 75 - 129     | 1   | 20        |
| o-Xylene                    | ND            |                  | 40.0        | 38.88      |               | ug/L |   | 97   | 75 - 127     | 2   | 20        |
| m,p-Xylene                  | ND            |                  | 80.0        | 77.99      |               | ug/L |   | 97   | 75 - 125     | 1   | 20        |
| p-Isopropyltoluene          | ND            |                  | 40.0        | 38.81      |               | ug/L |   | 97   | 75 - 125     | 5   | 20        |
| sec-Butylbenzene            | ND            |                  | 40.0        | 38.57      |               | ug/L |   | 96   | 75 - 129     | 6   | 20        |
| Styrene                     | ND            |                  | 40.0        | 38.97      |               | ug/L |   | 97   | 28 - 166     | 3   | 20        |
| trans-1,2-Dichloroethene    | ND            |                  | 40.0        | 37.53      |               | ug/L |   | 94   | 73 - 133     | 2   | 20        |
| trans-1,3-Dichloropropene   | ND            |                  | 40.0        | 40.49      |               | ug/L |   | 101  | 75 - 125     | 3   | 20        |
| tert-Butylbenzene           | ND            |                  | 40.0        | 37.95      |               | ug/L |   | 95   | 75 - 129     | 5   | 20        |
| Tetrachloroethene           | ND            |                  | 40.0        | 39.56      |               | ug/L |   | 99   | 58 - 124     | 1   | 20        |
| Toluene                     | ND            |                  | 40.0        | 39.17      |               | ug/L |   | 98   | 75 - 125     | 3   | 20        |
| Trichloroethene             | 110           | F1               | 40.0        | 133.4      | F1            | ug/L |   | 48   | 75 - 125     | 0   | 20        |
| Trichlorofluoromethane      | ND            | F2               | 40.0        | 41.72      | F2            | ug/L |   | 104  | 68 - 134     | 23  | 20        |
| Vinyl acetate               | ND            |                  | 40.0        | 44.51      |               | ug/L |   | 111  | 65 - 137     | 3   | 20        |
| Vinyl chloride              | ND            | F2               | 40.0        | 42.06      | F2            | ug/L |   | 105  | 52 - 142     | 25  | 20        |

| Surrogate                    | MSD %Recovery | MSD Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 102           |               | 80 - 128 |
| 4-Bromofluorobenzene (Surr)  | 100           |               | 68 - 120 |
| Dibromofluoromethane         | 103           |               | 80 - 127 |
| Toluene-d8 (Surr)            | 100           |               | 80 - 120 |

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-134494/7

Matrix: Water

Analysis Batch: 134494

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB Result | MB Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|------|-----|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 1,1,1-Trichloroethane                 | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 1,1,2-Trichloroethane                 | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 1,1-Dichloroethane                    | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 1,1-Dichloroethene                    | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 1,1-Dichloropropene                   | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 1,2,3-Trichlorobenzene                | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 1,2,3-Trichloropropane                | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 1,2,4-Trichlorobenzene                | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 1,2,4-Trimethylbenzene                | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND        |              | 1.0  |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 1,2-Dibromoethane                     | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 1,2-Dichlorobenzene                   | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 1,2-Dichloroethane                    | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 1,2-Dichloropropane                   | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 1,3,5-Trimethylbenzene                | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 1,3-Dichlorobenzene                   | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 1,3-Dichloropropane                   | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 1,4-Dichlorobenzene                   | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 2,2-Dichloropropane                   | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 2-Butanone                            | ND        |              | 5.0  |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 2-Chlorotoluene                       | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 2-Hexanone                            | ND        |              | 6.0  |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 4-Chlorotoluene                       | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| 4-Methyl-2-pentanone                  | ND        |              | 5.0  |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Acetone                               | ND        |              | 8.0  |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Benzene                               | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Bromobenzene                          | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Bromochloromethane                    | ND        |              | 1.0  |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Bromodichloromethane                  | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Bromoform                             | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Bromomethane                          | ND        |              | 1.0  |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| cis-1,2-Dichloroethene                | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| cis-1,3-Dichloropropene               | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Carbon disulfide                      | ND        |              | 1.0  |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Carbon tetrachloride                  | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Chlorobenzene                         | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Chloroethane                          | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Chloroform                            | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Chloromethane                         | ND        |              | 1.0  |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Dibromochloromethane                  | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Dibromomethane                        | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Dichlorodifluoromethane               | ND        |              | 1.0  |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Ethylbenzene                          | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Isopropylbenzene                      | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Methylene Chloride                    | ND        |              | 1.0  |     | ug/L |   |          | 03/09/21 10:24 | 1       |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-134494/7

Matrix: Water

Analysis Batch: 134494

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB Result | MB Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|------|-----|------|---|----------|----------------|---------|
| Methyl-t-Butyl Ether (MTBE) | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Naphthalene                 | ND        |              | 1.0  |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| n-Butylbenzene              | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| N-Propylbenzene             | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| o-Xylene                    | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| m,p-Xylene                  | ND        |              | 1.0  |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| p-Isopropyltoluene          | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| sec-Butylbenzene            | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Styrene                     | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| trans-1,2-Dichloroethene    | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| trans-1,3-Dichloropropene   | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| tert-Butylbenzene           | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Tetrachloroethene           | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Toluene                     | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Trichloroethene             | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Trichlorofluoromethane      | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Vinyl acetate               | ND        |              | 5.0  |     | ug/L |   |          | 03/09/21 10:24 | 1       |
| Vinyl chloride              | ND        |              | 0.50 |     | ug/L |   |          | 03/09/21 10:24 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 98           |              | 80 - 128 |          | 03/09/21 10:24 | 1       |
| 4-Bromofluorobenzene (Surr)  | 95           |              | 68 - 120 |          | 03/09/21 10:24 | 1       |
| Dibromofluoromethane         | 97           |              | 80 - 127 |          | 03/09/21 10:24 | 1       |
| Toluene-d8 (Surr)            | 99           |              | 80 - 120 |          | 03/09/21 10:24 | 1       |

Lab Sample ID: LCS 570-134494/4

Matrix: Water

Analysis Batch: 134494

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,1,1,2-Tetrachloroethane             | 10.0        | 10.35      |               | ug/L |   | 104  | 80 - 126     |
| 1,1,1-Trichloroethane                 | 10.0        | 10.24      |               | ug/L |   | 102  | 80 - 125     |
| 1,1,2,2-Tetrachloroethane             | 10.0        | 10.13      |               | ug/L |   | 101  | 80 - 120     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0        | 9.068      |               | ug/L |   | 91   | 51 - 140     |
| 1,1,2-Trichloroethane                 | 10.0        | 10.63      |               | ug/L |   | 106  | 80 - 120     |
| 1,1-Dichloroethane                    | 10.0        | 10.31      |               | ug/L |   | 103  | 77 - 120     |
| 1,1-Dichloroethene                    | 10.0        | 10.05      |               | ug/L |   | 101  | 74 - 128     |
| 1,1-Dichloropropene                   | 10.0        | 10.39      |               | ug/L |   | 104  | 79 - 125     |
| 1,2,3-Trichlorobenzene                | 10.0        | 11.10      |               | ug/L |   | 111  | 80 - 121     |
| 1,2,3-Trichloropropane                | 10.0        | 10.42      |               | ug/L |   | 104  | 80 - 120     |
| 1,2,4-Trichlorobenzene                | 10.0        | 10.87      |               | ug/L |   | 109  | 80 - 120     |
| 1,2,4-Trimethylbenzene                | 10.0        | 10.96      |               | ug/L |   | 110  | 80 - 122     |
| 1,2-Dibromo-3-Chloropropane           | 10.0        | 9.516      |               | ug/L |   | 95   | 67 - 120     |
| 1,2-Dibromoethane                     | 10.0        | 10.67      |               | ug/L |   | 107  | 80 - 120     |
| 1,2-Dichlorobenzene                   | 10.0        | 10.64      |               | ug/L |   | 106  | 80 - 120     |
| 1,2-Dichloroethane                    | 10.0        | 10.47      |               | ug/L |   | 105  | 80 - 123     |
| 1,2-Dichloropropane                   | 10.0        | 10.51      |               | ug/L |   | 105  | 80 - 120     |
| 1,3,5-Trimethylbenzene                | 10.0        | 11.09      |               | ug/L |   | 111  | 80 - 121     |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-134494/4

Matrix: Water

Analysis Batch: 134494

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,3-Dichlorobenzene         | 10.0        | 10.42      |               | ug/L |   | 104  | 80 - 120     |
| 1,3-Dichloropropane         | 10.0        | 10.58      |               | ug/L |   | 106  | 80 - 120     |
| 1,4-Dichlorobenzene         | 10.0        | 10.65      |               | ug/L |   | 107  | 80 - 120     |
| 2,2-Dichloropropane         | 10.0        | 10.84      |               | ug/L |   | 108  | 77 - 139     |
| 2-Butanone                  | 10.0        | 10.15      |               | ug/L |   | 102  | 50 - 127     |
| 2-Chlorotoluene             | 10.0        | 10.64      |               | ug/L |   | 106  | 80 - 120     |
| 2-Hexanone                  | 10.0        | 10.04      |               | ug/L |   | 100  | 66 - 129     |
| 4-Chlorotoluene             | 10.0        | 10.66      |               | ug/L |   | 107  | 80 - 120     |
| 4-Methyl-2-pentanone        | 10.0        | 9.613      |               | ug/L |   | 96   | 72 - 120     |
| Acetone                     | 10.0        | 9.276      |               | ug/L |   | 93   | 58 - 131     |
| Benzene                     | 10.0        | 10.48      |               | ug/L |   | 105  | 80 - 120     |
| Bromobenzene                | 10.0        | 10.57      |               | ug/L |   | 106  | 80 - 120     |
| Bromochloromethane          | 10.0        | 10.75      |               | ug/L |   | 108  | 80 - 120     |
| Bromodichloromethane        | 10.0        | 10.77      |               | ug/L |   | 108  | 80 - 126     |
| Bromoform                   | 10.0        | 10.45      |               | ug/L |   | 104  | 70 - 141     |
| Bromomethane                | 10.0        | 12.28      |               | ug/L |   | 123  | 50 - 150     |
| cis-1,2-Dichloroethene      | 10.0        | 10.78      |               | ug/L |   | 108  | 80 - 121     |
| cis-1,3-Dichloropropene     | 10.0        | 10.37      |               | ug/L |   | 104  | 80 - 120     |
| Carbon disulfide            | 10.0        | 10.03      |               | ug/L |   | 100  | 65 - 136     |
| Carbon tetrachloride        | 10.0        | 10.65      |               | ug/L |   | 107  | 75 - 142     |
| Chlorobenzene               | 10.0        | 10.62      |               | ug/L |   | 106  | 80 - 120     |
| Chloroethane                | 10.0        | 12.50      | *+ me         | ug/L |   | 125  | 74 - 123     |
| Chloroform                  | 10.0        | 10.48      |               | ug/L |   | 105  | 80 - 120     |
| Chloromethane               | 10.0        | 11.86      |               | ug/L |   | 119  | 54 - 140     |
| Dibromochloromethane        | 10.0        | 10.46      |               | ug/L |   | 105  | 80 - 128     |
| Dibromomethane              | 10.0        | 10.32      |               | ug/L |   | 103  | 80 - 120     |
| Dichlorodifluoromethane     | 10.0        | 13.03      |               | ug/L |   | 130  | 63 - 135     |
| Ethylbenzene                | 10.0        | 10.79      |               | ug/L |   | 108  | 80 - 120     |
| Isopropylbenzene            | 10.0        | 10.82      |               | ug/L |   | 108  | 80 - 121     |
| Methylene Chloride          | 10.0        | 9.593      |               | ug/L |   | 96   | 71 - 125     |
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 9.563      |               | ug/L |   | 96   | 70 - 121     |
| Naphthalene                 | 10.0        | 10.77      |               | ug/L |   | 108  | 80 - 125     |
| n-Butylbenzene              | 10.0        | 11.02      |               | ug/L |   | 110  | 80 - 124     |
| N-Propylbenzene             | 10.0        | 10.98      |               | ug/L |   | 110  | 80 - 121     |
| o-Xylene                    | 10.0        | 10.83      |               | ug/L |   | 108  | 80 - 120     |
| m,p-Xylene                  | 20.0        | 21.97      |               | ug/L |   | 110  | 80 - 120     |
| p-Isopropyltoluene          | 10.0        | 10.95      |               | ug/L |   | 110  | 80 - 121     |
| sec-Butylbenzene            | 10.0        | 10.93      |               | ug/L |   | 109  | 80 - 120     |
| Styrene                     | 10.0        | 10.97      |               | ug/L |   | 110  | 80 - 120     |
| trans-1,2-Dichloroethene    | 10.0        | 9.974      |               | ug/L |   | 100  | 74 - 121     |
| trans-1,3-Dichloropropene   | 10.0        | 10.95      |               | ug/L |   | 110  | 80 - 123     |
| tert-Butylbenzene           | 10.0        | 10.91      |               | ug/L |   | 109  | 80 - 120     |
| Tetrachloroethene           | 10.0        | 10.77      |               | ug/L |   | 108  | 80 - 126     |
| Toluene                     | 10.0        | 10.48      |               | ug/L |   | 105  | 80 - 120     |
| Trichloroethene             | 10.0        | 10.79      |               | ug/L |   | 108  | 80 - 120     |
| Trichlorofluoromethane      | 10.0        | 11.39      |               | ug/L |   | 114  | 74 - 137     |
| Vinyl acetate               | 10.0        | 12.67      |               | ug/L |   | 127  | 50 - 150     |
| Vinyl chloride              | 10.0        | 11.34      |               | ug/L |   | 113  | 72 - 126     |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-134494/4

Matrix: Water

Analysis Batch: 134494

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Surrogate                    | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|------------------------------|------------------|------------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 100              |                  | 80 - 128 |
| 4-Bromofluorobenzene (Surr)  | 100              |                  | 68 - 120 |
| Dibromofluoromethane         | 101              |                  | 80 - 127 |
| Toluene-d8 (Surr)            | 101              |                  | 80 - 120 |

Lab Sample ID: LCSD 570-134494/5

Matrix: Water

Analysis Batch: 134494

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|---------------------------------------|----------------|----------------|-------------------|------|---|------|-----------------|-----|--------------|
| 1,1,1,2-Tetrachloroethane             | 10.0           | 9.888          |                   | ug/L |   | 99   | 80 - 126        | 5   | 20           |
| 1,1,1-Trichloroethane                 | 10.0           | 9.743          |                   | ug/L |   | 97   | 80 - 125        | 5   | 20           |
| 1,1,2,2-Tetrachloroethane             | 10.0           | 9.290          |                   | ug/L |   | 93   | 80 - 120        | 9   | 20           |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0           | 8.491          |                   | ug/L |   | 85   | 51 - 140        | 7   | 20           |
| 1,1,2-Trichloroethane                 | 10.0           | 9.769          |                   | ug/L |   | 98   | 80 - 120        | 8   | 20           |
| 1,1-Dichloroethane                    | 10.0           | 9.384          |                   | ug/L |   | 94   | 77 - 120        | 9   | 20           |
| 1,1-Dichloroethene                    | 10.0           | 9.270          |                   | ug/L |   | 93   | 74 - 128        | 8   | 20           |
| 1,1-Dichloropropene                   | 10.0           | 9.768          |                   | ug/L |   | 98   | 79 - 125        | 6   | 20           |
| 1,2,3-Trichlorobenzene                | 10.0           | 9.878          |                   | ug/L |   | 99   | 80 - 121        | 12  | 20           |
| 1,2,3-Trichloropropane                | 10.0           | 9.642          |                   | ug/L |   | 96   | 80 - 120        | 8   | 20           |
| 1,2,4-Trichlorobenzene                | 10.0           | 9.596          |                   | ug/L |   | 96   | 80 - 120        | 12  | 20           |
| 1,2,4-Trimethylbenzene                | 10.0           | 9.524          |                   | ug/L |   | 95   | 80 - 122        | 14  | 20           |
| 1,2-Dibromo-3-Chloropropane           | 10.0           | 8.530          |                   | ug/L |   | 85   | 67 - 120        | 11  | 20           |
| 1,2-Dibromoethane                     | 10.0           | 9.852          |                   | ug/L |   | 99   | 80 - 120        | 8   | 20           |
| 1,2-Dichlorobenzene                   | 10.0           | 9.360          |                   | ug/L |   | 94   | 80 - 120        | 13  | 20           |
| 1,2-Dichloroethane                    | 10.0           | 9.794          |                   | ug/L |   | 98   | 80 - 123        | 7   | 20           |
| 1,2-Dichloropropane                   | 10.0           | 9.828          |                   | ug/L |   | 98   | 80 - 120        | 7   | 20           |
| 1,3,5-Trimethylbenzene                | 10.0           | 9.884          |                   | ug/L |   | 99   | 80 - 121        | 12  | 20           |
| 1,3-Dichlorobenzene                   | 10.0           | 9.020          |                   | ug/L |   | 90   | 80 - 120        | 14  | 20           |
| 1,3-Dichloropropane                   | 10.0           | 9.813          |                   | ug/L |   | 98   | 80 - 120        | 7   | 20           |
| 1,4-Dichlorobenzene                   | 10.0           | 9.331          |                   | ug/L |   | 93   | 80 - 120        | 13  | 20           |
| 2,2-Dichloropropane                   | 10.0           | 9.984          |                   | ug/L |   | 100  | 77 - 139        | 8   | 20           |
| 2-Butanone                            | 10.0           | 10.95          |                   | ug/L |   | 109  | 50 - 127        | 8   | 26           |
| 2-Chlorotoluene                       | 10.0           | 9.484          |                   | ug/L |   | 95   | 80 - 120        | 12  | 20           |
| 2-Hexanone                            | 10.0           | 9.189          |                   | ug/L |   | 92   | 66 - 129        | 9   | 21           |
| 4-Chlorotoluene                       | 10.0           | 9.352          |                   | ug/L |   | 94   | 80 - 120        | 13  | 20           |
| 4-Methyl-2-pentanone                  | 10.0           | 9.768          |                   | ug/L |   | 98   | 72 - 120        | 2   | 20           |
| Acetone                               | 10.0           | 9.373          |                   | ug/L |   | 94   | 58 - 131        | 1   | 30           |
| Benzene                               | 10.0           | 9.820          |                   | ug/L |   | 98   | 80 - 120        | 7   | 20           |
| Bromobenzene                          | 10.0           | 9.702          |                   | ug/L |   | 97   | 80 - 120        | 9   | 20           |
| Bromochloromethane                    | 10.0           | 10.05          |                   | ug/L |   | 101  | 80 - 120        | 7   | 20           |
| Bromodichloromethane                  | 10.0           | 10.14          |                   | ug/L |   | 101  | 80 - 126        | 6   | 20           |
| Bromoform                             | 10.0           | 9.155          |                   | ug/L |   | 92   | 70 - 141        | 13  | 20           |
| Bromomethane                          | 10.0           | 11.38          |                   | ug/L |   | 114  | 50 - 150        | 8   | 22           |
| cis-1,2-Dichloroethene                | 10.0           | 10.13          |                   | ug/L |   | 101  | 80 - 121        | 6   | 20           |
| cis-1,3-Dichloropropene               | 10.0           | 9.874          |                   | ug/L |   | 99   | 80 - 120        | 5   | 20           |
| Carbon disulfide                      | 10.0           | 9.315          |                   | ug/L |   | 93   | 65 - 136        | 7   | 20           |
| Carbon tetrachloride                  | 10.0           | 9.990          |                   | ug/L |   | 100  | 75 - 142        | 6   | 20           |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-134494/5

Matrix: Water

Analysis Batch: 134494

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                     | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Chlorobenzene               | 10.0        | 9.591       |                | ug/L |   | 96   | 80 - 120     | 10  | 20        |
| Chloroethane                | 10.0        | 11.49       |                | ug/L |   | 115  | 74 - 123     | 8   | 20        |
| Chloroform                  | 10.0        | 10.02       |                | ug/L |   | 100  | 80 - 120     | 4   | 20        |
| Chloromethane               | 10.0        | 11.22       |                | ug/L |   | 112  | 54 - 140     | 6   | 20        |
| Dibromochloromethane        | 10.0        | 9.690       |                | ug/L |   | 97   | 80 - 128     | 8   | 20        |
| Dibromomethane              | 10.0        | 9.911       |                | ug/L |   | 99   | 80 - 120     | 4   | 20        |
| Dichlorodifluoromethane     | 10.0        | 12.01       |                | ug/L |   | 120  | 63 - 135     | 8   | 20        |
| Ethylbenzene                | 10.0        | 9.573       |                | ug/L |   | 96   | 80 - 120     | 12  | 20        |
| Isopropylbenzene            | 10.0        | 9.637       |                | ug/L |   | 96   | 80 - 121     | 12  | 20        |
| Methylene Chloride          | 10.0        | 9.205       |                | ug/L |   | 92   | 71 - 125     | 4   | 20        |
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 9.160       |                | ug/L |   | 92   | 70 - 121     | 4   | 20        |
| Naphthalene                 | 10.0        | 9.793       |                | ug/L |   | 98   | 80 - 125     | 10  | 20        |
| n-Butylbenzene              | 10.0        | 9.510       |                | ug/L |   | 95   | 80 - 124     | 15  | 20        |
| N-Propylbenzene             | 10.0        | 9.853       |                | ug/L |   | 99   | 80 - 121     | 11  | 20        |
| o-Xylene                    | 10.0        | 9.753       |                | ug/L |   | 98   | 80 - 120     | 10  | 20        |
| m,p-Xylene                  | 20.0        | 19.58       |                | ug/L |   | 98   | 80 - 120     | 11  | 20        |
| p-Isopropyltoluene          | 10.0        | 9.458       |                | ug/L |   | 95   | 80 - 121     | 15  | 20        |
| sec-Butylbenzene            | 10.0        | 9.297       |                | ug/L |   | 93   | 80 - 120     | 16  | 20        |
| Styrene                     | 10.0        | 9.794       |                | ug/L |   | 98   | 80 - 120     | 11  | 20        |
| trans-1,2-Dichloroethene    | 10.0        | 9.350       |                | ug/L |   | 94   | 74 - 121     | 6   | 20        |
| trans-1,3-Dichloropropene   | 10.0        | 10.08       |                | ug/L |   | 101  | 80 - 123     | 8   | 20        |
| tert-Butylbenzene           | 10.0        | 9.012       |                | ug/L |   | 90   | 80 - 120     | 19  | 20        |
| Tetrachloroethene           | 10.0        | 9.750       |                | ug/L |   | 98   | 80 - 126     | 10  | 20        |
| Toluene                     | 10.0        | 9.700       |                | ug/L |   | 97   | 80 - 120     | 8   | 20        |
| Trichloroethene             | 10.0        | 9.864       |                | ug/L |   | 99   | 80 - 120     | 9   | 20        |
| Trichlorofluoromethane      | 10.0        | 10.61       |                | ug/L |   | 106  | 74 - 137     | 7   | 20        |
| Vinyl acetate               | 10.0        | 11.20       |                | ug/L |   | 112  | 50 - 150     | 12  | 28        |
| Vinyl chloride              | 10.0        | 10.58       |                | ug/L |   | 106  | 72 - 126     | 7   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 103            |                | 80 - 128 |
| 4-Bromofluorobenzene (Surr)  | 103            |                | 68 - 120 |
| Dibromofluoromethane         | 101            |                | 80 - 127 |
| Toluene-d8 (Surr)            | 100            |                | 80 - 120 |

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 570-133225/1-A

Matrix: Water

Analysis Batch: 133272

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 133225

| Analyte          | MB Result    | MB Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|--------------|----------|-----|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND           |              | 0.50     |     | ug/L |   | 03/03/21 08:29 | 03/03/21 22:47 | 1       |
| Isotope Dilution | MB %Recovery | MB Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 62           |              | 15 - 150 |     |      |   | 03/03/21 08:29 | 03/03/21 22:47 | 1       |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Lab Sample ID: MB 570-133225/1-A

Matrix: Water

Analysis Batch: 133272

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 133225

| Surrogate       | MB | MB | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------|----|----|----------|----------------|----------------|---------|
| Nitrobenzene-d5 | 96 |    | 46 - 128 | 03/03/21 08:29 | 03/03/21 22:47 | 1       |

Lab Sample ID: LCS 570-133225/2-A

Matrix: Water

Analysis Batch: 133272

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 133225

| Analyte          | Spike Added | LCS Result    | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------|-------------|---------------|---------------|------|---|------|--------------|
| 1,4-Dioxane      | 20.0        | 16.46         |               | ug/L |   | 82   | 57 - 136     |
| Isotope Dilution | %Recovery   | LCS Qualifier | Limits        |      |   |      |              |
| 1,4-Dioxane-d8   | 50          |               | 15 - 150      |      |   |      |              |
| Surrogate        | %Recovery   | LCS Qualifier | Limits        |      |   |      |              |
| Nitrobenzene-d5  | 75          |               | 46 - 128      |      |   |      |              |

Lab Sample ID: LCSD 570-133225/3-A

Matrix: Water

Analysis Batch: 133272

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 133225

| Analyte          | Spike Added | LCSD Result    | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|------------------|-------------|----------------|----------------|------|---|------|--------------|-----|-----------|
| 1,4-Dioxane      | 20.0        | 15.50          |                | ug/L |   | 77   | 57 - 136     | 6   | 20        |
| Isotope Dilution | %Recovery   | LCSD Qualifier | Limits         |      |   |      |              |     |           |
| 1,4-Dioxane-d8   | 71          |                | 15 - 150       |      |   |      |              |     |           |
| Surrogate        | %Recovery   | LCSD Qualifier | Limits         |      |   |      |              |     |           |
| Nitrobenzene-d5  | 79          |                | 46 - 128       |      |   |      |              |     |           |

Lab Sample ID: 570-52259-9 MS

Matrix: Water

Analysis Batch: 133272

Client Sample ID: HEW-02

Prep Type: Total/NA

Prep Batch: 133225

| Analyte          | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,4-Dioxane      | 0.74          |                  | 20.0        | 16.65     |              | ug/L |   | 80   | 45 - 139     |
| Isotope Dilution | %Recovery     | MS Qualifier     | Limits      |           |              |      |   |      |              |
| 1,4-Dioxane-d8   | 61            |                  | 15 - 150    |           |              |      |   |      |              |
| Surrogate        | %Recovery     | MS Qualifier     | Limits      |           |              |      |   |      |              |
| Nitrobenzene-d5  | 80            |                  | 46 - 128    |           |              |      |   |      |              |

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Lab Sample ID: 570-52259-9 MSD

Matrix: Water

Analysis Batch: 133272

Client Sample ID: HEW-02

Prep Type: Total/NA

Prep Batch: 133225

| Analyte          | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| 1,4-Dioxane      | 0.74          |                  | 20.0        | 16.49      |               | ug/L | - | 79   | 45 - 139     | 1   | 17        |
| MSD MSD          |               |                  |             |            |               |      |   |      |              |     |           |
| Isotope Dilution | %Recovery     | Qualifier        | Limits      |            |               |      |   |      |              |     |           |
| 1,4-Dioxane-d8   | 48            |                  | 15 - 150    |            |               |      |   |      |              |     |           |
| MSD MSD          |               |                  |             |            |               |      |   |      |              |     |           |
| Surrogate        | %Recovery     | Qualifier        | Limits      |            |               |      |   |      |              |     |           |
| Nitrobenzene-d5  | 70            |                  | 46 - 128    |            |               |      |   |      |              |     |           |



# Marginal Exceedance (ME) Summary

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LCS 570-134494/4

Matrix: Water

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | %Rec | %Rec. Limits | ME %Rec. Limits | Marginal Exceedance Status |
|---------------------------------------|-------------|------------|---------------|------|------|--------------|-----------------|----------------------------|
| 1,1,1,2-Tetrachloroethane             | 10.0        | 10.35      |               | ug/L | 104  | 80 - 126     | 65 - 154        |                            |
| 1,1,1-Trichloroethane                 | 10.0        | 10.24      |               | ug/L | 102  | 80 - 125     | 66 - 137        |                            |
| 1,1,2,2-Tetrachloroethane             | 10.0        | 10.13      |               | ug/L | 101  | 80 - 120     | 64 - 135        |                            |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0        | 9.068      |               | ug/L | 91   | 51 - 140     | 38 - 132        |                            |
| 1,1,2-Trichloroethane                 | 10.0        | 10.63      |               | ug/L | 106  | 80 - 120     | 73 - 127        |                            |
| 1,1-Dichloroethane                    | 10.0        | 10.31      |               | ug/L | 103  | 77 - 120     | 69 - 127        |                            |
| 1,1-Dichloroethene                    | 10.0        | 10.05      |               | ug/L | 101  | 74 - 128     | 64 - 128        |                            |
| 1,1-Dichloropropene                   | 10.0        | 10.39      |               | ug/L | 104  | 79 - 125     | 69 - 127        |                            |
| 1,2,3-Trichlorobenzene                | 10.0        | 11.10      |               | ug/L | 111  | 80 - 121     | 73 - 133        |                            |
| 1,2,3-Trichloropropane                | 10.0        | 10.42      |               | ug/L | 104  | 80 - 120     | 55 - 142        |                            |
| 1,2,4-Trichlorobenzene                | 10.0        | 10.87      |               | ug/L | 109  | 80 - 120     | 73 - 130        |                            |
| 1,2,4-Trimethylbenzene                | 10.0        | 10.96      |               | ug/L | 110  | 80 - 122     | 70 - 133        |                            |
| 1,2-Dibromo-3-Chloropropane           | 10.0        | 9.516      |               | ug/L | 95   | 67 - 120     | 70 - 127        |                            |
| 1,2-Dibromoethane                     | 10.0        | 10.67      |               | ug/L | 107  | 80 - 120     | 73 - 127        |                            |
| 1,2-Dichlorobenzene                   | 10.0        | 10.64      |               | ug/L | 106  | 80 - 120     | 72 - 130        |                            |
| 1,2-Dichloroethane                    | 10.0        | 10.47      |               | ug/L | 105  | 80 - 123     | 60 - 148        |                            |
| 1,2-Dichloropropane                   | 10.0        | 10.51      |               | ug/L | 105  | 80 - 120     | 73 - 127        |                            |
| 1,3,5-Trimethylbenzene                | 10.0        | 11.09      |               | ug/L | 111  | 80 - 121     | 68 - 142        |                            |
| 1,3-Dichlorobenzene                   | 10.0        | 10.42      |               | ug/L | 104  | 80 - 120     | 72 - 130        |                            |
| 1,3-Dichloropropane                   | 10.0        | 10.58      |               | ug/L | 106  | 80 - 120     | 73 - 130        |                            |
| 1,4-Dichlorobenzene                   | 10.0        | 10.65      |               | ug/L | 107  | 80 - 120     | 67 - 131        |                            |
| 2,2-Dichloropropane                   | 10.0        | 10.84      |               | ug/L | 108  | 77 - 139     | 69 - 142        |                            |
| 2-Butanone                            | 10.0        | 10.15      |               | ug/L | 102  | 50 - 127     | 15 - 150        |                            |
| 2-Chlorotoluene                       | 10.0        | 10.64      |               | ug/L | 106  | 80 - 120     | 73 - 127        |                            |
| 2-Hexanone                            | 10.0        | 10.04      |               | ug/L | 100  | 66 - 129     | 45 - 139        |                            |
| 4-Chlorotoluene                       | 10.0        | 10.66      |               | ug/L | 107  | 80 - 120     | 71 - 127        |                            |
| 4-Methyl-2-pentanone                  | 10.0        | 9.613      |               | ug/L | 96   | 72 - 120     | 59 - 129        |                            |
| Acetone                               | 10.0        | 9.276      |               | ug/L | 93   | 58 - 131     | 44 - 146        |                            |
| Benzene                               | 10.0        | 10.48      |               | ug/L | 105  | 80 - 120     | 73 - 127        |                            |
| Bromobenzene                          | 10.0        | 10.57      |               | ug/L | 106  | 80 - 120     | 73 - 131        |                            |
| Bromochloromethane                    | 10.0        | 10.75      |               | ug/L | 108  | 80 - 120     | 68 - 133        |                            |
| Bromodichloromethane                  | 10.0        | 10.77      |               | ug/L | 108  | 80 - 126     | 66 - 152        |                            |
| Bromoform                             | 10.0        | 10.45      |               | ug/L | 104  | 70 - 141     | 24 - 200        |                            |
| Bromomethane                          | 10.0        | 12.28      |               | ug/L | 123  | 50 - 150     | 34 - 180        |                            |
| cis-1,2-Dichloroethene                | 10.0        | 10.78      |               | ug/L | 108  | 80 - 121     | 68 - 130        |                            |
| cis-1,3-Dichloropropene               | 10.0        | 10.37      |               | ug/L | 104  | 80 - 120     | 73 - 129        |                            |
| Carbon disulfide                      | 10.0        | 10.03      |               | ug/L | 100  | 65 - 136     | 56 - 135        |                            |
| Carbon tetrachloride                  | 10.0        | 10.65      |               | ug/L | 107  | 75 - 142     | 56 - 158        |                            |
| Chlorobenzene                         | 10.0        | 10.62      |               | ug/L | 106  | 80 - 120     | 73 - 127        |                            |
| Chloroethane                          | 10.0        | 12.50      | *+ me         | ug/L | 125  | 74 - 123     | 62 - 150        | ME                         |
| Chloroform                            | 10.0        | 10.48      |               | ug/L | 105  | 80 - 120     | 73 - 127        |                            |
| Chloromethane                         | 10.0        | 11.86      |               | ug/L | 119  | 54 - 140     | 14 - 180        |                            |
| Dibromochloromethane                  | 10.0        | 10.46      |               | ug/L | 105  | 80 - 128     | 48 - 166        |                            |
| Dibromomethane                        | 10.0        | 10.32      |               | ug/L | 103  | 80 - 120     | 73 - 128        |                            |
| Dichlorodifluoromethane               | 10.0        | 13.03      |               | ug/L | 130  | 63 - 135     | 46 - 152        |                            |
| Ethylbenzene                          | 10.0        | 10.79      |               | ug/L | 108  | 80 - 120     | 73 - 127        |                            |
| Isopropylbenzene                      | 10.0        | 10.82      |               | ug/L | 108  | 80 - 121     | 73 - 131        |                            |
| Methylene Chloride                    | 10.0        | 9.593      |               | ug/L | 96   | 71 - 125     | 62 - 128        |                            |
| Methyl-t-Butyl Ether (MTBE)           | 10.0        | 9.563      |               | ug/L | 96   | 70 - 121     | 64 - 128        |                            |

Eurofins Calscience LLC

# Marginal Exceedance (ME) Summary

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-134494/4

Matrix: Water

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | %Rec | %Rec. Limits | ME %Rec. Limits | Marginal Exceedance Status |
|---------------------------|-------------|------------|---------------|------|------|--------------|-----------------|----------------------------|
| Naphthalene               | 10.0        | 10.77      |               | ug/L | 108  | 80 - 125     | 68 - 128        |                            |
| n-Butylbenzene            | 10.0        | 11.02      |               | ug/L | 110  | 80 - 124     | 68 - 132        |                            |
| N-Propylbenzene           | 10.0        | 10.98      |               | ug/L | 110  | 80 - 121     | 73 - 129        |                            |
| o-Xylene                  | 10.0        | 10.83      |               | ug/L | 108  | 80 - 120     | 73 - 129        |                            |
| m,p-Xylene                | 20.0        | 21.97      |               | ug/L | 110  | 80 - 120     | 73 - 129        |                            |
| p-Isopropyltoluene        | 10.0        | 10.95      |               | ug/L | 110  | 80 - 121     | 69 - 135        |                            |
| sec-Butylbenzene          | 10.0        | 10.93      |               | ug/L | 109  | 80 - 120     | 67 - 131        |                            |
| Styrene                   | 10.0        | 10.97      |               | ug/L | 110  | 80 - 120     | 73 - 128        |                            |
| trans-1,2-Dichloroethene  | 10.0        | 9.974      |               | ug/L | 100  | 74 - 121     | 58 - 132        |                            |
| trans-1,3-Dichloropropene | 10.0        | 10.95      |               | ug/L | 110  | 80 - 123     | 68 - 150        |                            |
| tert-Butylbenzene         | 10.0        | 10.91      |               | ug/L | 109  | 80 - 120     | 63 - 137        |                            |
| Tetrachloroethene         | 10.0        | 10.77      |               | ug/L | 108  | 80 - 126     | 72 - 136        |                            |
| Toluene                   | 10.0        | 10.48      |               | ug/L | 105  | 80 - 120     | 73 - 127        |                            |
| Trichloroethene           | 10.0        | 10.79      |               | ug/L | 108  | 80 - 120     | 73 - 130        |                            |
| Trichlorofluoromethane    | 10.0        | 11.39      |               | ug/L | 114  | 74 - 137     | 47 - 185        |                            |
| Vinyl acetate             | 10.0        | 12.67      |               | ug/L | 127  | 50 - 150     | 64 - 156        |                            |
| Vinyl chloride            | 10.0        | 11.34      |               | ug/L | 113  | 72 - 126     | 65 - 139        |                            |

### Summary

| Number of Analytes Reported | Number of Marginal Exceedances Allowed | Number of Marginal Exceedances Found |
|-----------------------------|----------------------------------------|--------------------------------------|
| 66                          | 3                                      | 1                                    |

ME = Marginal Exceedance

# QC Association Summary

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## GC/MS VOA

### Analysis Batch: 134104

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 570-52259-1       | TB-022521              | Total/NA  | Water  | 8260B  |            |
| 570-52259-2       | LAX-01                 | Total/NA  | Water  | 8260B  |            |
| 570-52259-3       | LAX-03                 | Total/NA  | Water  | 8260B  |            |
| 570-52259-4       | UAX-02                 | Total/NA  | Water  | 8260B  |            |
| 570-52259-5       | HEW-04                 | Total/NA  | Water  | 8260B  |            |
| 570-52259-6       | HEW-0400               | Total/NA  | Water  | 8260B  |            |
| 570-52259-8       | UAX-03                 | Total/NA  | Water  | 8260B  |            |
| 570-52259-9       | HEW-02                 | Total/NA  | Water  | 8260B  |            |
| 570-52259-10      | HEW-05                 | Total/NA  | Water  | 8260B  |            |
| 570-52259-11      | UAX-01                 | Total/NA  | Water  | 8260B  |            |
| 570-52259-12      | LAX-02                 | Total/NA  | Water  | 8260B  |            |
| 570-52259-13      | HEW-01                 | Total/NA  | Water  | 8260B  |            |
| 570-52259-14      | HEW-03                 | Total/NA  | Water  | 8260B  |            |
| MB 570-134104/7   | Method Blank           | Total/NA  | Water  | 8260B  |            |
| LCS 570-134104/4  | Lab Control Sample     | Total/NA  | Water  | 8260B  |            |
| LCSD 570-134104/5 | Lab Control Sample Dup | Total/NA  | Water  | 8260B  |            |
| 570-52259-9 MS    | HEW-02                 | Total/NA  | Water  | 8260B  |            |
| 570-52259-9 MSD   | HEW-02                 | Total/NA  | Water  | 8260B  |            |

### Analysis Batch: 134494

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 570-52259-7       | RB-022521              | Total/NA  | Water  | 8260B  |            |
| MB 570-134494/7   | Method Blank           | Total/NA  | Water  | 8260B  |            |
| LCS 570-134494/4  | Lab Control Sample     | Total/NA  | Water  | 8260B  |            |
| LCSD 570-134494/5 | Lab Control Sample Dup | Total/NA  | Water  | 8260B  |            |

## GC/MS Semi VOA

### Prep Batch: 133225

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 570-52259-2         | LAX-01                 | Total/NA  | Water  | 3510C  |            |
| 570-52259-3         | LAX-03                 | Total/NA  | Water  | 3510C  |            |
| 570-52259-4         | UAX-02                 | Total/NA  | Water  | 3510C  |            |
| 570-52259-5         | HEW-04                 | Total/NA  | Water  | 3510C  |            |
| 570-52259-6         | HEW-0400               | Total/NA  | Water  | 3510C  |            |
| 570-52259-7         | RB-022521              | Total/NA  | Water  | 3510C  |            |
| 570-52259-8         | UAX-03                 | Total/NA  | Water  | 3510C  |            |
| 570-52259-9         | HEW-02                 | Total/NA  | Water  | 3510C  |            |
| 570-52259-10        | HEW-05                 | Total/NA  | Water  | 3510C  |            |
| 570-52259-11        | UAX-01                 | Total/NA  | Water  | 3510C  |            |
| 570-52259-12        | LAX-02                 | Total/NA  | Water  | 3510C  |            |
| 570-52259-13        | HEW-01                 | Total/NA  | Water  | 3510C  |            |
| 570-52259-14        | HEW-03                 | Total/NA  | Water  | 3510C  |            |
| MB 570-133225/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |
| LCS 570-133225/2-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 570-133225/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |
| 570-52259-9 MS      | HEW-02                 | Total/NA  | Water  | 3510C  |            |
| 570-52259-9 MSD     | HEW-02                 | Total/NA  | Water  | 3510C  |            |

# QC Association Summary

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

## GC/MS Semi VOA

### Analysis Batch: 133272

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method       | Prep Batch |
|---------------------|------------------------|-----------|--------|--------------|------------|
| 570-52259-2         | LAX-01                 | Total/NA  | Water  | 8270C SIM ID | 133225     |
| 570-52259-3         | LAX-03                 | Total/NA  | Water  | 8270C SIM ID | 133225     |
| 570-52259-4         | UAX-02                 | Total/NA  | Water  | 8270C SIM ID | 133225     |
| 570-52259-5         | HEW-04                 | Total/NA  | Water  | 8270C SIM ID | 133225     |
| 570-52259-6         | HEW-0400               | Total/NA  | Water  | 8270C SIM ID | 133225     |
| 570-52259-7         | RB-022521              | Total/NA  | Water  | 8270C SIM ID | 133225     |
| 570-52259-8         | UAX-03                 | Total/NA  | Water  | 8270C SIM ID | 133225     |
| 570-52259-9         | HEW-02                 | Total/NA  | Water  | 8270C SIM ID | 133225     |
| 570-52259-10        | HEW-05                 | Total/NA  | Water  | 8270C SIM ID | 133225     |
| 570-52259-11        | UAX-01                 | Total/NA  | Water  | 8270C SIM ID | 133225     |
| 570-52259-12        | LAX-02                 | Total/NA  | Water  | 8270C SIM ID | 133225     |
| 570-52259-13        | HEW-01                 | Total/NA  | Water  | 8270C SIM ID | 133225     |
| 570-52259-14        | HEW-03                 | Total/NA  | Water  | 8270C SIM ID | 133225     |
| MB 570-133225/1-A   | Method Blank           | Total/NA  | Water  | 8270C SIM ID | 133225     |
| LCS 570-133225/2-A  | Lab Control Sample     | Total/NA  | Water  | 8270C SIM ID | 133225     |
| LCSD 570-133225/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8270C SIM ID | 133225     |
| 570-52259-9 MS      | HEW-02                 | Total/NA  | Water  | 8270C SIM ID | 133225     |
| 570-52259-9 MSD     | HEW-02                 | Total/NA  | Water  | 8270C SIM ID | 133225     |

# Lab Chronicle

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

**Client Sample ID: TB-022521**

**Lab Sample ID: 570-52259-1**

**Date Collected: 02/25/21 10:00**

**Matrix: Water**

**Date Received: 02/26/21 11:44**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 134104       | 03/06/21 12:10       | UJHB    | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: LAX-01**

**Lab Sample ID: 570-52259-2**

**Date Collected: 02/25/21 10:25**

**Matrix: Water**

**Date Received: 02/26/21 11:44**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 134104       | 03/06/21 16:26       | UJHB    | ECL 2 |
| Instrument ID: GCMSVV  |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 133225       | 03/03/21 08:29       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 133272       | 03/04/21 00:14       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: LAX-03**

**Lab Sample ID: 570-52259-3**

**Date Collected: 02/25/21 11:45**

**Matrix: Water**

**Date Received: 02/26/21 11:44**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 134104       | 03/06/21 17:17       | UJHB    | ECL 2 |
| Instrument ID: GCMSVV  |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 133225       | 03/03/21 08:29       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 133272       | 03/04/21 00:29       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UAX-02**

**Lab Sample ID: 570-52259-4**

**Date Collected: 02/25/21 12:17**

**Matrix: Water**

**Date Received: 02/26/21 11:44**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 134104       | 03/06/21 16:52       | UJHB    | ECL 2 |
| Instrument ID: GCMSVV  |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 133225       | 03/03/21 08:29       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 133272       | 03/04/21 00:44       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: HEW-04**

**Lab Sample ID: 570-52259-5**

**Date Collected: 02/25/21 12:43**

**Matrix: Water**

**Date Received: 02/26/21 11:44**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 4          | 20 mL          | 20 mL        | 134104       | 03/06/21 13:01       | UJHB    | ECL 2 |
| Instrument ID: GCMSVV  |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 133225       | 03/03/21 08:29       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 133272       | 03/04/21 00:58       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

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# Lab Chronicle

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

**Client Sample ID: HEW-0400**

**Lab Sample ID: 570-52259-6**

**Date Collected: 02/25/21 13:13**

**Matrix: Water**

**Date Received: 02/26/21 11:44**

| Prep Type | Batch Type | Batch Method           | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA  | Analysis   | 8260B                  |     | 4          | 20 mL          | 20 mL        | 134104       | 03/06/21 13:27       | UJHB    | ECL 2 |
|           |            | Instrument ID: GCMSVV  |     |            |                |              |              |                      |         |       |
| Total/NA  | Prep       | 3510C                  |     |            | 100.0 mL       | 10 mL        | 133225       | 03/03/21 08:29       | PQS1    | ECL 1 |
| Total/NA  | Analysis   | 8270C SIM ID           |     | 1          |                |              | 133272       | 03/04/21 01:13       | AJ2Q    | ECL 1 |
|           |            | Instrument ID: GCMSDDD |     |            |                |              |              |                      |         |       |

**Client Sample ID: RB-022521**

**Lab Sample ID: 570-52259-7**

**Date Collected: 02/25/21 11:55**

**Matrix: Water**

**Date Received: 02/26/21 11:44**

| Prep Type | Batch Type | Batch Method           | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA  | Analysis   | 8260B                  |     | 1          | 20 mL          | 20 mL        | 134494       | 03/09/21 11:16       | UJHB    | ECL 2 |
|           |            | Instrument ID: GCMSVV  |     |            |                |              |              |                      |         |       |
| Total/NA  | Prep       | 3510C                  |     |            | 100.0 mL       | 10 mL        | 133225       | 03/03/21 08:29       | PQS1    | ECL 1 |
| Total/NA  | Analysis   | 8270C SIM ID           |     | 1          |                |              | 133272       | 03/04/21 01:28       | AJ2Q    | ECL 1 |
|           |            | Instrument ID: GCMSDDD |     |            |                |              |              |                      |         |       |

**Client Sample ID: UAX-03**

**Lab Sample ID: 570-52259-8**

**Date Collected: 02/25/21 13:05**

**Matrix: Water**

**Date Received: 02/26/21 11:44**

| Prep Type | Batch Type | Batch Method           | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA  | Analysis   | 8260B                  |     | 1          | 20 mL          | 20 mL        | 134104       | 03/06/21 17:43       | UJHB    | ECL 2 |
|           |            | Instrument ID: GCMSVV  |     |            |                |              |              |                      |         |       |
| Total/NA  | Prep       | 3510C                  |     |            | 100.0 mL       | 10 mL        | 133225       | 03/03/21 08:29       | PQS1    | ECL 1 |
| Total/NA  | Analysis   | 8270C SIM ID           |     | 1          |                |              | 133272       | 03/04/21 01:42       | AJ2Q    | ECL 1 |
|           |            | Instrument ID: GCMSDDD |     |            |                |              |              |                      |         |       |

**Client Sample ID: HEW-02**

**Lab Sample ID: 570-52259-9**

**Date Collected: 02/25/21 13:29**

**Matrix: Water**

**Date Received: 02/26/21 11:44**

| Prep Type | Batch Type | Batch Method           | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA  | Analysis   | 8260B                  |     | 4          | 20 mL          | 20 mL        | 134104       | 03/06/21 12:36       | UJHB    | ECL 2 |
|           |            | Instrument ID: GCMSVV  |     |            |                |              |              |                      |         |       |
| Total/NA  | Prep       | 3510C                  |     |            | 100.0 mL       | 10 mL        | 133225       | 03/03/21 08:29       | PQS1    | ECL 1 |
| Total/NA  | Analysis   | 8270C SIM ID           |     | 1          |                |              | 133272       | 03/04/21 00:00       | AJ2Q    | ECL 1 |
|           |            | Instrument ID: GCMSDDD |     |            |                |              |              |                      |         |       |

**Client Sample ID: HEW-05**

**Lab Sample ID: 570-52259-10**

**Date Collected: 02/25/21 13:48**

**Matrix: Water**

**Date Received: 02/26/21 11:44**

| Prep Type | Batch Type | Batch Method          | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------|------------|-----------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA  | Analysis   | 8260B                 |     | 4          | 20 mL          | 20 mL        | 134104       | 03/06/21 19:26       | UJHB    | ECL 2 |
|           |            | Instrument ID: GCMSVV |     |            |                |              |              |                      |         |       |

Eurofins Calscience LLC

# Lab Chronicle

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

**Client Sample ID: HEW-05**

**Lab Sample ID: 570-52259-10**

**Date Collected: 02/25/21 13:48**

**Matrix: Water**

**Date Received: 02/26/21 11:44**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 133225       | 03/03/21 08:29       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 133272       | 03/04/21 01:57       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UAX-01**

**Lab Sample ID: 570-52259-11**

**Date Collected: 02/25/21 14:30**

**Matrix: Water**

**Date Received: 02/26/21 11:44**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 134104       | 03/06/21 18:09       | UJHB    | ECL 2 |
| Instrument ID: GCMSVV  |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 133225       | 03/03/21 08:29       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 133272       | 03/04/21 02:12       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: LAX-02**

**Lab Sample ID: 570-52259-12**

**Date Collected: 02/26/21 08:30**

**Matrix: Water**

**Date Received: 02/26/21 11:44**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 134104       | 03/06/21 18:34       | UJHB    | ECL 2 |
| Instrument ID: GCMSVV  |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 133225       | 03/03/21 08:29       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 133272       | 03/04/21 02:26       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: HEW-01**

**Lab Sample ID: 570-52259-13**

**Date Collected: 02/26/21 08:52**

**Matrix: Water**

**Date Received: 02/26/21 11:44**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 20         | 20 mL          | 20 mL        | 134104       | 03/06/21 20:17       | UJHB    | ECL 2 |
| Instrument ID: GCMSVV  |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 133225       | 03/03/21 08:29       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 133272       | 03/04/21 02:41       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: HEW-03**

**Lab Sample ID: 570-52259-14**

**Date Collected: 02/26/21 09:12**

**Matrix: Water**

**Date Received: 02/26/21 11:44**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 4          | 20 mL          | 20 mL        | 134104       | 03/06/21 19:51       | UJHB    | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

# Lab Chronicle

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

**Client Sample ID: HEW-03**

**Date Collected: 02/26/21 09:12**

**Date Received: 02/26/21 11:44**

**Lab Sample ID: 570-52259-14**

**Matrix: Water**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 133225       | 03/03/21 08:29       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 133272       | 03/04/21 02:55       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

## Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494



## Accreditation/Certification Summary

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

### Laboratory: Eurofins Calscience LLC

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

| Authority  | Program                                 | Identification Number | Expiration Date |
|------------|-----------------------------------------|-----------------------|-----------------|
| California | Los Angeles County Sanitation Districts | 10109                 | 09-30-21        |
| California | SCAQMD LAP                              | 17LA0919              | 11-30-21        |
| California | State                                   | 2944                  | 09-30-21        |
| Guam       | State                                   | 20-003R               | 10-31-20 *      |
| Nevada     | State                                   | CA00111               | 07-31-21        |
| Oregon     | NELAP                                   | CA300001              | 01-30-22        |
| USDA       | US Federal Programs                     | P330-20-00034         | 02-10-23        |
| Washington | State                                   | C916-18               | 10-11-21        |

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Calscience LLC

## Method Summary

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

| Method       | Method Description                                            | Protocol | Laboratory |
|--------------|---------------------------------------------------------------|----------|------------|
| 8260B        | Volatile Organic Compounds (GC/MS)                            | SW846    | ECL 2      |
| 8270C SIM ID | Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) | SW846    | ECL 1      |
| 3510C        | Liquid-Liquid Extraction (Separatory Funnel)                  | SW846    | ECL 1      |
| 5030C        | Purge and Trap                                                | SW846    | ECL 2      |

### Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

# Sample Summary

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Full Scale/Bldg 684

Job ID: 570-52259-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 570-52259-1   | TB-022521        | Water  | 02/25/21 10:00 | 02/26/21 11:44 |          |
| 570-52259-2   | LAX-01           | Water  | 02/25/21 10:25 | 02/26/21 11:44 |          |
| 570-52259-3   | LAX-03           | Water  | 02/25/21 11:45 | 02/26/21 11:44 |          |
| 570-52259-4   | UAX-02           | Water  | 02/25/21 12:17 | 02/26/21 11:44 |          |
| 570-52259-5   | HEW-04           | Water  | 02/25/21 12:43 | 02/26/21 11:44 |          |
| 570-52259-6   | HEW-0400         | Water  | 02/25/21 13:13 | 02/26/21 11:44 |          |
| 570-52259-7   | RB-022521        | Water  | 02/25/21 11:55 | 02/26/21 11:44 |          |
| 570-52259-8   | UAX-03           | Water  | 02/25/21 13:05 | 02/26/21 11:44 |          |
| 570-52259-9   | HEW-02           | Water  | 02/25/21 13:29 | 02/26/21 11:44 |          |
| 570-52259-10  | HEW-05           | Water  | 02/25/21 13:48 | 02/26/21 11:44 |          |
| 570-52259-11  | UAX-01           | Water  | 02/25/21 14:30 | 02/26/21 11:44 |          |
| 570-52259-12  | LAX-02           | Water  | 02/26/21 08:30 | 02/26/21 11:44 |          |
| 570-52259-13  | HEW-01           | Water  | 02/26/21 08:52 | 02/26/21 11:44 |          |
| 570-52259-14  | HEW-03           | Water  | 02/26/21 09:12 | 02/26/21 11:44 |          |



PROJECT Building 684 - Raytheon  
TASK NO 764 10

Project Manager Steve Netto  
QA Manager Andrew Donnelly  
Phone 858-455-6500



570-52259 Chain of Custody

Date 2/25/21  
Page 1 of 12

| LAB ID | Project<br>BCI Fullerton<br>764 10 | Sampled By<br><u>A. J. Adams</u> | SAMPLE COLLECTION |      | MATRIX             | PRESERVATION | CONTAINERS | REQUESTED | CONCENTRATION | SPECIAL HANDLING | REMARKS |
|--------|------------------------------------|----------------------------------|-------------------|------|--------------------|--------------|------------|-----------|---------------|------------------|---------|
|        |                                    |                                  | Date              | Time |                    |              |            |           |               |                  |         |
| 1      |                                    |                                  | 2/25/21           | 1000 | Groundwater        |              |            |           |               |                  |         |
| 2      |                                    |                                  | 2/25/21           | 1025 | Lab prepared water |              |            |           |               |                  |         |
| 3      |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 4      |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 5      |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 6      |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 7      |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 8      |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 9      |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 10     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 11     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 12     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 13     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 14     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 15     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 16     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 17     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 18     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 19     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 20     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 21     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 22     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 23     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 24     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 25     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 26     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 27     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 28     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 29     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 30     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 31     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 32     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 33     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 34     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 35     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 36     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 37     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 38     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 39     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 40     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 41     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 42     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 43     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 44     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 45     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 46     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 47     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 48     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 49     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 50     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 51     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 52     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 53     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 54     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 55     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 56     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 57     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 58     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 59     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 60     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 61     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 62     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 63     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 64     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 65     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 66     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 67     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 68     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 69     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 70     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 71     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 72     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 73     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 74     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 75     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 76     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 77     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 78     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 79     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 80     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 81     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 82     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 83     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 84     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 85     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 86     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 87     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 88     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 89     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 90     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 91     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 92     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 93     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 94     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 95     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 96     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 97     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 98     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 99     |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |
| 100    |                                    |                                  |                   |      |                    |              |            |           |               |                  |         |

Total number of containers per analysis:

| Comments Report "J" Flags                                                                                                            | Geotracker ID             | T0605900143         | Log Code              | HARG                |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------|-----------------------|---------------------|
| Field Point ID = QCTB for Trip Blanks ("TB-"), QCRB for Equipment Rinsate Blanks (RB-), all other samples Field Point ID = Sample ID | Relinquished By / Company | Date / Time         | Received By / Company | Date / Time         |
|                                                                                                                                      | <u>Am J. Adams</u>        | <u>2/25/21 1144</u> | <u>Steve Netto</u>    | <u>2/26/21 1124</u> |
|                                                                                                                                      | Relinquished By / Company | Date / Time         | Received By / Company | Date / Time         |
|                                                                                                                                      |                           |                     |                       |                     |

|                          |                            |
|--------------------------|----------------------------|
| <input type="checkbox"/> | No of containers correct   |
| <input type="checkbox"/> | Received in good condition |
| <input type="checkbox"/> | Custody seals secure       |
| <input type="checkbox"/> | Conforms to COC document   |

Send Results to  
**Steve Netto**  
9171 Towne Centre Dr  
Suite 375  
San Diego, CA 92122  
Ph 858-455-6500  
snetto@hargis.com

Temperature on receipt

3/9/21 JTB

PROJECT Building 684 - Raytheon  
TASK NO 764 10

Project Manager Steve Netto  
QA Manager Andrew Donnelly  
Phone 858-455-6500

[illegible]

Total number of containers per analysis:

Comments Report "J" Flags

Geotracker ID T0605900143, Log Code HARG

Field Point ID = QCTB for Trip Blanks ("TB-"), QCRB for Equipment Rinsate Blanks (RB-), all other samples Field Point ID = Sample ID

| Relinquished By / Company | Date / Time    | Received By / Company | Date / Time    |
|---------------------------|----------------|-----------------------|----------------|
| Ann Tran / H+A            | 2/26/21 / 1144 | Deby                  | 2/26/21 / 1144 |
| Relinquished By / Company | Date / Time    | Received By / Company | Date / Time    |

Temperature on receipt

**Send Results to  
Steve Netto  
171 Towne Centre Dr.  
Suite 375  
San Diego, CA 92122  
Ph 858-455-6500  
snetto@harqis.com**

Date 2/25/21  
Page 2 of 2

**0**

[illegible]

Total No of Containers -

## Login Sample Receipt Checklist

Client: Hargis + Associates, Inc.

Job Number: 570-52259-1

Login Number: 52259

List Source: Eurofins Calscience

List Number: 1

Creator: Ramos, Maribel

| Question                                                                                 | Answer | Comment |
|------------------------------------------------------------------------------------------|--------|---------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.      | 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 $<6\text{mm}$ (1/4"). | True   |         |
| Multiphasic samples are not present.                                                     | True   |         |
| Samples do not require splitting or compositing.                                         | True   |         |
| Residual Chlorine Checked.                                                               | N/A    |         |

## ANALYTICAL REPORT

Eurofins Calscience LLC  
7440 Lincoln Way  
Garden Grove, CA 92841  
Tel: (714)895-5494

Laboratory Job ID: 570-61385-1

Client Project/Site: Bldg 684 Raytheon / 764.10

**For:**

Hargis + Associates, Inc.  
La Jolla Gateway  
9171 Towne Centre Drive  
Suite 375  
San Diego, California 92122

Attn: Steve Netto

*Virendra R Patel*

Authorized for release by:  
6/22/2021 3:18:09 PM

Virendra Patel, Project Manager I  
(714)895-5494  
[Virendra.Patel@eurofinset.com](mailto:Virendra.Patel@eurofinset.com)

### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



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## Definitions/Glossary

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

### Qualifiers

#### GC/MS VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| *+        | LCS and/or LCSD is outside acceptance limits, high biased.                                                     |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| me        | LCS Recovery is within Marginal Exceedance (ME) control limit range ( $\pm 4$ SD from the mean).               |

### Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| $\alpha$       | 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                                                                                       |

# Case Narrative

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

**Job ID: 570-61385-1**

**Laboratory: Eurofins Calscience LLC**

## Narrative

### Job Narrative 570-61385-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 6/9/2021 5:00 PM. 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 was 3.2° C.

#### GC/MS VOA

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-158479.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-158542.

Method 8260B: The following analyte(s) recovered outside control limits for the LCSD associated with analytical batch 570-158542: Dichlorodifluoromethane. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

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

#### GC/MS Semi VOA

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

#### Organic Prep

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

#### VOA Prep

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

# Detection Summary

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Client Sample ID: TB-06092021

Lab Sample ID: 570-61385-1

No Detections.

## Client Sample ID: LAX-01

Lab Sample ID: 570-61385-2

No Detections.

## Client Sample ID: UAX-01

Lab Sample ID: 570-61385-3

| Analyte            | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method       | Prep Type |
|--------------------|--------|-----------|------|------|------|---------|---|--------------|-----------|
| 1,1-Dichloroethene | 1.3    |           | 0.50 | 0.39 | ug/L | 1       |   | 8260B        | Total/NA  |
| Trichloroethene    | 2.4    |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B        | Total/NA  |
| 1,4-Dioxane        | 0.57   |           | 0.50 | 0.34 | ug/L | 1       |   | 8270C SIM ID | Total/NA  |

## Client Sample ID: HEW-01

Lab Sample ID: 570-61385-4

| Analyte           | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method       | Prep Type |
|-------------------|--------|-----------|------|------|------|---------|---|--------------|-----------|
| Tetrachloroethene | 10     |           | 10   | 5.8  | ug/L | 20      |   | 8260B        | Total/NA  |
| Trichloroethene   | 720    |           | 10   | 5.8  | ug/L | 20      |   | 8260B        | Total/NA  |
| 1,4-Dioxane       | 1.9    |           | 0.50 | 0.34 | ug/L | 1       |   | 8270C SIM ID | Total/NA  |

## Client Sample ID: HEW-0100

Lab Sample ID: 570-61385-5

| Analyte           | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method       | Prep Type |
|-------------------|--------|-----------|------|------|------|---------|---|--------------|-----------|
| Tetrachloroethene | 9.6    | J         | 10   | 5.8  | ug/L | 20      |   | 8260B        | Total/NA  |
| Trichloroethene   | 700    |           | 10   | 5.8  | ug/L | 20      |   | 8260B        | Total/NA  |
| 1,4-Dioxane       | 1.9    |           | 0.50 | 0.34 | ug/L | 1       |   | 8270C SIM ID | Total/NA  |

## Client Sample ID: RB-06092021

Lab Sample ID: 570-61385-6

No Detections.

## Client Sample ID: LAX-03

Lab Sample ID: 570-61385-7

| Analyte         | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|-----------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| Trichloroethene | 0.35   | J         | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |

## Client Sample ID: HEW-04

Lab Sample ID: 570-61385-8

| Analyte           | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method       | Prep Type |
|-------------------|--------|-----------|------|------|------|---------|---|--------------|-----------|
| Tetrachloroethene | 1.3    | J         | 2.0  | 1.2  | ug/L | 4       |   | 8260B        | Total/NA  |
| Trichloroethene   | 91     |           | 2.0  | 1.2  | ug/L | 4       |   | 8260B        | Total/NA  |
| 1,4-Dioxane       | 7.2    |           | 0.50 | 0.34 | ug/L | 1       |   | 8270C SIM ID | Total/NA  |

## Client Sample ID: UAX-03

Lab Sample ID: 570-61385-9

| Analyte            | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|--------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| 1,1-Dichloroethene | 0.53   |           | 0.50 | 0.39 | ug/L | 1       |   | 8260B  | Total/NA  |
| Trichloroethene    | 9.5    |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |

## Client Sample ID: LAX-02

Lab Sample ID: 570-61385-10

No Detections.

This Detection Summary does not include radiochemical test results.

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: TB-06092021

Date Collected: 06/09/21 07:30

Date Received: 06/09/21 17:00

Lab Sample ID: 570-61385-1

Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 06/21/21 13:44 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/21/21 13:44 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 06/21/21 13:44 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 06/21/21 13:44 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 06/21/21 13:44 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 06/21/21 13:44 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 06/21/21 13:44 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 06/21/21 13:44 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 06/21/21 13:44 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 06/21/21 13:44 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 06/21/21 13:44 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 06/21/21 13:44 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 06/21/21 13:44 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 06/21/21 13:44 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 06/21/21 13:44 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 06/21/21 13:44 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 06/21/21 13:44 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 06/21/21 13:44 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 06/21/21 13:44 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 06/21/21 13:44 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 06/21/21 13:44 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 06/21/21 13:44 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 06/21/21 13:44 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 06/21/21 13:44 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 06/21/21 13:44 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 06/21/21 13:44 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 06/21/21 13:44 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 06/21/21 13:44 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/21/21 13:44 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 06/21/21 13:44 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 06/21/21 13:44 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 06/21/21 13:44 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 06/21/21 13:44 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 06/21/21 13:44 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 06/21/21 13:44 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 06/21/21 13:44 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 06/21/21 13:44 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/21/21 13:44 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 06/21/21 13:44 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 06/21/21 13:44 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 06/21/21 13:44 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 06/21/21 13:44 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/21/21 13:44 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 06/21/21 13:44 | 1       |
| Dichlorodifluoromethane               | ND     | +         | 1.0  | 0.68  | ug/L |   |          | 06/21/21 13:44 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 06/21/21 13:44 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 06/21/21 13:44 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 06/21/21 13:44 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 06/21/21 13:44 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: TB-06092021

Date Collected: 06/09/21 07:30

Date Received: 06/09/21 17:00

Lab Sample ID: 570-61385-1

Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 06/21/21 13:44 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 06/21/21 13:44 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 06/21/21 13:44 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 06/21/21 13:44 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 06/21/21 13:44 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 06/21/21 13:44 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 06/21/21 13:44 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 06/21/21 13:44 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 06/21/21 13:44 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 06/21/21 13:44 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 06/21/21 13:44 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 06/21/21 13:44 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 06/21/21 13:44 | 1       |
| Trichloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 06/21/21 13:44 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 06/21/21 13:44 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 06/21/21 13:44 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.40 | ug/L |   |          | 06/21/21 13:44 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 98        |           | 68 - 135 |          | 06/21/21 13:44 | 1       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 71 - 120 |          | 06/21/21 13:44 | 1       |
| Dibromofluoromethane         | 102       |           | 80 - 120 |          | 06/21/21 13:44 | 1       |
| Toluene-d8 (Surr)            | 104       |           | 80 - 120 |          | 06/21/21 13:44 | 1       |

Client Sample ID: LAX-01

Date Collected: 06/09/21 10:15

Date Received: 06/09/21 17:00

Lab Sample ID: 570-61385-2

Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 06/21/21 20:10 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/21/21 20:10 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 06/21/21 20:10 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 06/21/21 20:10 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 06/21/21 20:10 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 06/21/21 20:10 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 06/21/21 20:10 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 06/21/21 20:10 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 06/21/21 20:10 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 06/21/21 20:10 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 06/21/21 20:10 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 06/21/21 20:10 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 06/21/21 20:10 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 06/21/21 20:10 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 06/21/21 20:10 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 06/21/21 20:10 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 06/21/21 20:10 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 06/21/21 20:10 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 06/21/21 20:10 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 06/21/21 20:10 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 06/21/21 20:10 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 06/21/21 20:10 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: LAX-01  
Date Collected: 06/09/21 10:15  
Date Received: 06/09/21 17:00

Lab Sample ID: 570-61385-2  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  | 3.0  | ug/L |   |          | 06/21/21 20:10 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 06/21/21 20:10 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 06/21/21 20:10 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 06/21/21 20:10 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 06/21/21 20:10 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 06/21/21 20:10 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 06/21/21 20:10 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 06/21/21 20:10 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.28 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Dichlorodifluoromethane     | ND     | +         | 1.0  | 0.68 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 | 0.21 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Naphthalene                 | ND     |           | 1.0  | 0.32 | ug/L |   |          | 06/21/21 20:10 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 06/21/21 20:10 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 06/21/21 20:10 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 06/21/21 20:10 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 06/21/21 20:10 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 06/21/21 20:10 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 06/21/21 20:10 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 06/21/21 20:10 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 06/21/21 20:10 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Trichloroethene             | ND     |           | 0.50 | 0.29 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 06/21/21 20:10 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 06/21/21 20:10 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.40 | ug/L |   |          | 06/21/21 20:10 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 101       |           | 68 - 135 |          | 06/21/21 20:10 | 1       |
| 4-Bromofluorobenzene (Surr)  | 96        |           | 71 - 120 |          | 06/21/21 20:10 | 1       |
| Dibromofluoromethane         | 106       |           | 80 - 120 |          | 06/21/21 20:10 | 1       |
| Toluene-d8 (Surr)            | 107       |           | 80 - 120 |          | 06/21/21 20:10 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: UAX-01  
Date Collected: 06/09/21 11:55  
Date Received: 06/09/21 17:00

Lab Sample ID: 570-61385-3  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 06/19/21 18:11 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/19/21 18:11 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 06/19/21 18:11 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 06/19/21 18:11 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 06/19/21 18:11 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 06/19/21 18:11 | 1       |
| 1,1-Dichloroethene                    | 1.3    |           | 0.50 | 0.39  | ug/L |   |          | 06/19/21 18:11 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 06/19/21 18:11 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 06/19/21 18:11 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 06/19/21 18:11 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 06/19/21 18:11 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 06/19/21 18:11 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 06/19/21 18:11 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 06/19/21 18:11 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 06/19/21 18:11 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 06/19/21 18:11 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 06/19/21 18:11 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 06/19/21 18:11 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 06/19/21 18:11 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 06/19/21 18:11 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 06/19/21 18:11 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 06/19/21 18:11 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 06/19/21 18:11 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 06/19/21 18:11 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 06/19/21 18:11 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 06/19/21 18:11 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 06/19/21 18:11 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 06/19/21 18:11 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/19/21 18:11 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 06/19/21 18:11 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 06/19/21 18:11 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 06/19/21 18:11 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 06/19/21 18:11 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 06/19/21 18:11 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 06/19/21 18:11 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 06/19/21 18:11 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 06/19/21 18:11 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/19/21 18:11 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 06/19/21 18:11 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 06/19/21 18:11 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 06/19/21 18:11 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 06/19/21 18:11 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/19/21 18:11 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 06/19/21 18:11 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 06/19/21 18:11 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 06/19/21 18:11 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 06/19/21 18:11 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 06/19/21 18:11 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 06/19/21 18:11 | 1       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UAX-01

Date Collected: 06/09/21 11:55

Date Received: 06/09/21 17:00

Lab Sample ID: 570-61385-3

Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 06/19/21 18:11 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 06/19/21 18:11 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 06/19/21 18:11 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 06/19/21 18:11 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 06/19/21 18:11 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 06/19/21 18:11 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 06/19/21 18:11 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 06/19/21 18:11 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 06/19/21 18:11 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 06/19/21 18:11 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 06/19/21 18:11 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 06/19/21 18:11 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 06/19/21 18:11 | 1       |
| Trichloroethene           | 2.4    |           | 0.50 | 0.29 | ug/L |   |          | 06/19/21 18:11 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 06/19/21 18:11 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 06/19/21 18:11 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.40 | ug/L |   |          | 06/19/21 18:11 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 68 - 135 |          | 06/19/21 18:11 | 1       |
| 4-Bromofluorobenzene (Surr)  | 94        |           | 71 - 120 |          | 06/19/21 18:11 | 1       |
| Dibromofluoromethane         | 106       |           | 80 - 120 |          | 06/19/21 18:11 | 1       |
| Toluene-d8 (Surr)            | 104       |           | 80 - 120 |          | 06/19/21 18:11 | 1       |

Client Sample ID: HEW-01

Date Collected: 06/09/21 12:20

Date Received: 06/09/21 17:00

Lab Sample ID: 570-61385-4

Matrix: Water

| Analyte                               | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 10 | 5.1 | ug/L |   |          | 06/19/21 18:38 | 20      |
| 1,1,1-Trichloroethane                 | ND     |           | 10 | 5.3 | ug/L |   |          | 06/19/21 18:38 | 20      |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 10 | 3.9 | ug/L |   |          | 06/19/21 18:38 | 20      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 10 | 5.0 | ug/L |   |          | 06/19/21 18:38 | 20      |
| 1,1,2-Trichloroethane                 | ND     |           | 10 | 1.7 | ug/L |   |          | 06/19/21 18:38 | 20      |
| 1,1-Dichloroethane                    | ND     |           | 10 | 7.1 | ug/L |   |          | 06/19/21 18:38 | 20      |
| 1,1-Dichloroethene                    | ND     |           | 10 | 7.8 | ug/L |   |          | 06/19/21 18:38 | 20      |
| 1,1-Dichloropropene                   | ND     |           | 10 | 4.8 | ug/L |   |          | 06/19/21 18:38 | 20      |
| 1,2,3-Trichlorobenzene                | ND     |           | 10 | 5.5 | ug/L |   |          | 06/19/21 18:38 | 20      |
| 1,2,3-Trichloropropane                | ND     |           | 10 | 6.4 | ug/L |   |          | 06/19/21 18:38 | 20      |
| 1,2,4-Trichlorobenzene                | ND     |           | 10 | 7.5 | ug/L |   |          | 06/19/21 18:38 | 20      |
| 1,2,4-Trimethylbenzene                | ND     |           | 10 | 5.7 | ug/L |   |          | 06/19/21 18:38 | 20      |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 20 | 13  | ug/L |   |          | 06/19/21 18:38 | 20      |
| 1,2-Dibromoethane                     | ND     |           | 10 | 2.7 | ug/L |   |          | 06/19/21 18:38 | 20      |
| 1,2-Dichlorobenzene                   | ND     |           | 10 | 4.6 | ug/L |   |          | 06/19/21 18:38 | 20      |
| 1,2-Dichloroethane                    | ND     |           | 10 | 3.0 | ug/L |   |          | 06/19/21 18:38 | 20      |
| 1,2-Dichloropropane                   | ND     |           | 10 | 4.8 | ug/L |   |          | 06/19/21 18:38 | 20      |
| 1,3,5-Trimethylbenzene                | ND     |           | 10 | 5.7 | ug/L |   |          | 06/19/21 18:38 | 20      |
| 1,3-Dichlorobenzene                   | ND     |           | 10 | 5.1 | ug/L |   |          | 06/19/21 18:38 | 20      |
| 1,3-Dichloropropane                   | ND     |           | 10 | 4.1 | ug/L |   |          | 06/19/21 18:38 | 20      |
| 1,4-Dichlorobenzene                   | ND     |           | 10 | 4.5 | ug/L |   |          | 06/19/21 18:38 | 20      |
| 2,2-Dichloropropane                   | ND     |           | 10 | 7.9 | ug/L |   |          | 06/19/21 18:38 | 20      |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HEW-01  
Date Collected: 06/09/21 12:20  
Date Received: 06/09/21 17:00

Lab Sample ID: 570-61385-4  
Matrix: Water

| Analyte                     | Result     | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|------------|-----------|-----|-----|------|---|----------|----------------|---------|
| 2-Butanone                  | ND         |           | 100 | 61  | ug/L |   |          | 06/19/21 18:38 | 20      |
| 2-Chlorotoluene             | ND         |           | 10  | 6.2 | ug/L |   |          | 06/19/21 18:38 | 20      |
| 2-Hexanone                  | ND         |           | 120 | 86  | ug/L |   |          | 06/19/21 18:38 | 20      |
| 4-Chlorotoluene             | ND         |           | 10  | 6.7 | ug/L |   |          | 06/19/21 18:38 | 20      |
| 4-Methyl-2-pentanone        | ND         |           | 100 | 45  | ug/L |   |          | 06/19/21 18:38 | 20      |
| Acetone                     | ND         |           | 160 | 80  | ug/L |   |          | 06/19/21 18:38 | 20      |
| Benzene                     | ND         |           | 10  | 5.3 | ug/L |   |          | 06/19/21 18:38 | 20      |
| Bromobenzene                | ND         |           | 10  | 5.2 | ug/L |   |          | 06/19/21 18:38 | 20      |
| Bromochloromethane          | ND         |           | 20  | 7.0 | ug/L |   |          | 06/19/21 18:38 | 20      |
| Bromodichloromethane        | ND         |           | 10  | 4.5 | ug/L |   |          | 06/19/21 18:38 | 20      |
| Bromoform                   | ND         |           | 10  | 7.8 | ug/L |   |          | 06/19/21 18:38 | 20      |
| Bromomethane                | ND         |           | 20  | 19  | ug/L |   |          | 06/19/21 18:38 | 20      |
| cis-1,2-Dichloroethene      | ND         |           | 10  | 6.0 | ug/L |   |          | 06/19/21 18:38 | 20      |
| cis-1,3-Dichloropropene     | ND         |           | 10  | 3.8 | ug/L |   |          | 06/19/21 18:38 | 20      |
| Carbon disulfide            | ND         |           | 20  | 4.9 | ug/L |   |          | 06/19/21 18:38 | 20      |
| Carbon tetrachloride        | ND         |           | 10  | 5.4 | ug/L |   |          | 06/19/21 18:38 | 20      |
| Chlorobenzene               | ND         |           | 10  | 4.8 | ug/L |   |          | 06/19/21 18:38 | 20      |
| Chloroethane                | ND         |           | 10  | 8.8 | ug/L |   |          | 06/19/21 18:38 | 20      |
| Chloroform                  | ND         |           | 10  | 5.7 | ug/L |   |          | 06/19/21 18:38 | 20      |
| Chloromethane               | ND         |           | 20  | 5.9 | ug/L |   |          | 06/19/21 18:38 | 20      |
| Dibromochloromethane        | ND         |           | 10  | 5.4 | ug/L |   |          | 06/19/21 18:38 | 20      |
| Dibromomethane              | ND         |           | 10  | 4.6 | ug/L |   |          | 06/19/21 18:38 | 20      |
| Dichlorodifluoromethane     | ND         |           | 20  | 14  | ug/L |   |          | 06/19/21 18:38 | 20      |
| Ethylbenzene                | ND         |           | 10  | 7.1 | ug/L |   |          | 06/19/21 18:38 | 20      |
| Isopropylbenzene            | ND         |           | 10  | 7.7 | ug/L |   |          | 06/19/21 18:38 | 20      |
| Methylene Chloride          | ND         |           | 20  | 9.6 | ug/L |   |          | 06/19/21 18:38 | 20      |
| Methyl-t-Butyl Ether (MTBE) | ND         |           | 10  | 4.1 | ug/L |   |          | 06/19/21 18:38 | 20      |
| Naphthalene                 | ND         |           | 20  | 6.4 | ug/L |   |          | 06/19/21 18:38 | 20      |
| n-Butylbenzene              | ND         |           | 10  | 5.9 | ug/L |   |          | 06/19/21 18:38 | 20      |
| N-Propylbenzene             | ND         |           | 10  | 7.8 | ug/L |   |          | 06/19/21 18:38 | 20      |
| o-Xylene                    | ND         |           | 10  | 7.0 | ug/L |   |          | 06/19/21 18:38 | 20      |
| m,p-Xylene                  | ND         |           | 20  | 16  | ug/L |   |          | 06/19/21 18:38 | 20      |
| p-Isopropyltoluene          | ND         |           | 10  | 5.5 | ug/L |   |          | 06/19/21 18:38 | 20      |
| sec-Butylbenzene            | ND         |           | 10  | 6.8 | ug/L |   |          | 06/19/21 18:38 | 20      |
| Styrene                     | ND         |           | 10  | 5.5 | ug/L |   |          | 06/19/21 18:38 | 20      |
| trans-1,2-Dichloroethene    | ND         |           | 10  | 7.2 | ug/L |   |          | 06/19/21 18:38 | 20      |
| trans-1,3-Dichloropropene   | ND         |           | 10  | 3.5 | ug/L |   |          | 06/19/21 18:38 | 20      |
| tert-Butylbenzene           | ND         |           | 10  | 6.8 | ug/L |   |          | 06/19/21 18:38 | 20      |
| <b>Tetrachloroethene</b>    | <b>10</b>  |           | 10  | 5.8 | ug/L |   |          | 06/19/21 18:38 | 20      |
| Toluene                     | ND         |           | 10  | 6.6 | ug/L |   |          | 06/19/21 18:38 | 20      |
| <b>Trichloroethene</b>      | <b>720</b> |           | 10  | 5.8 | ug/L |   |          | 06/19/21 18:38 | 20      |
| Trichlorofluoromethane      | ND         |           | 10  | 5.9 | ug/L |   |          | 06/19/21 18:38 | 20      |
| Vinyl acetate               | ND         |           | 100 | 63  | ug/L |   |          | 06/19/21 18:38 | 20      |
| Vinyl chloride              | ND         |           | 10  | 8.0 | ug/L |   |          | 06/19/21 18:38 | 20      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 68 - 135 |          | 06/19/21 18:38 | 20      |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 71 - 120 |          | 06/19/21 18:38 | 20      |
| Dibromofluoromethane         | 106       |           | 80 - 120 |          | 06/19/21 18:38 | 20      |
| Toluene-d8 (Surr)            | 102       |           | 80 - 120 |          | 06/19/21 18:38 | 20      |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: HEW-0100  
Date Collected: 06/09/21 13:00  
Date Received: 06/09/21 17:00

Lab Sample ID: 570-61385-5  
Matrix: Water

| Analyte                               | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 10  | 5.1 | ug/L |   |          | 06/19/21 19:05 | 20      |
| 1,1,1-Trichloroethane                 | ND     |           | 10  | 5.3 | ug/L |   |          | 06/19/21 19:05 | 20      |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 10  | 3.9 | ug/L |   |          | 06/19/21 19:05 | 20      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 10  | 5.0 | ug/L |   |          | 06/19/21 19:05 | 20      |
| 1,1,2-Trichloroethane                 | ND     |           | 10  | 1.7 | ug/L |   |          | 06/19/21 19:05 | 20      |
| 1,1-Dichloroethane                    | ND     |           | 10  | 7.1 | ug/L |   |          | 06/19/21 19:05 | 20      |
| 1,1-Dichloroethene                    | ND     |           | 10  | 7.8 | ug/L |   |          | 06/19/21 19:05 | 20      |
| 1,1-Dichloropropene                   | ND     |           | 10  | 4.8 | ug/L |   |          | 06/19/21 19:05 | 20      |
| 1,2,3-Trichlorobenzene                | ND     |           | 10  | 5.5 | ug/L |   |          | 06/19/21 19:05 | 20      |
| 1,2,3-Trichloropropane                | ND     |           | 10  | 6.4 | ug/L |   |          | 06/19/21 19:05 | 20      |
| 1,2,4-Trichlorobenzene                | ND     |           | 10  | 7.5 | ug/L |   |          | 06/19/21 19:05 | 20      |
| 1,2,4-Trimethylbenzene                | ND     |           | 10  | 5.7 | ug/L |   |          | 06/19/21 19:05 | 20      |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 20  | 13  | ug/L |   |          | 06/19/21 19:05 | 20      |
| 1,2-Dibromoethane                     | ND     |           | 10  | 2.7 | ug/L |   |          | 06/19/21 19:05 | 20      |
| 1,2-Dichlorobenzene                   | ND     |           | 10  | 4.6 | ug/L |   |          | 06/19/21 19:05 | 20      |
| 1,2-Dichloroethane                    | ND     |           | 10  | 3.0 | ug/L |   |          | 06/19/21 19:05 | 20      |
| 1,2-Dichloropropane                   | ND     |           | 10  | 4.8 | ug/L |   |          | 06/19/21 19:05 | 20      |
| 1,3,5-Trimethylbenzene                | ND     |           | 10  | 5.7 | ug/L |   |          | 06/19/21 19:05 | 20      |
| 1,3-Dichlorobenzene                   | ND     |           | 10  | 5.1 | ug/L |   |          | 06/19/21 19:05 | 20      |
| 1,3-Dichloropropane                   | ND     |           | 10  | 4.1 | ug/L |   |          | 06/19/21 19:05 | 20      |
| 1,4-Dichlorobenzene                   | ND     |           | 10  | 4.5 | ug/L |   |          | 06/19/21 19:05 | 20      |
| 2,2-Dichloropropane                   | ND     |           | 10  | 7.9 | ug/L |   |          | 06/19/21 19:05 | 20      |
| 2-Butanone                            | ND     |           | 100 | 61  | ug/L |   |          | 06/19/21 19:05 | 20      |
| 2-Chlorotoluene                       | ND     |           | 10  | 6.2 | ug/L |   |          | 06/19/21 19:05 | 20      |
| 2-Hexanone                            | ND     |           | 120 | 86  | ug/L |   |          | 06/19/21 19:05 | 20      |
| 4-Chlorotoluene                       | ND     |           | 10  | 6.7 | ug/L |   |          | 06/19/21 19:05 | 20      |
| 4-Methyl-2-pentanone                  | ND     |           | 100 | 45  | ug/L |   |          | 06/19/21 19:05 | 20      |
| Acetone                               | ND     |           | 160 | 80  | ug/L |   |          | 06/19/21 19:05 | 20      |
| Benzene                               | ND     |           | 10  | 5.3 | ug/L |   |          | 06/19/21 19:05 | 20      |
| Bromobenzene                          | ND     |           | 10  | 5.2 | ug/L |   |          | 06/19/21 19:05 | 20      |
| Bromochloromethane                    | ND     |           | 20  | 7.0 | ug/L |   |          | 06/19/21 19:05 | 20      |
| Bromodichloromethane                  | ND     |           | 10  | 4.5 | ug/L |   |          | 06/19/21 19:05 | 20      |
| Bromoform                             | ND     |           | 10  | 7.8 | ug/L |   |          | 06/19/21 19:05 | 20      |
| Bromomethane                          | ND     |           | 20  | 19  | ug/L |   |          | 06/19/21 19:05 | 20      |
| cis-1,2-Dichloroethene                | ND     |           | 10  | 6.0 | ug/L |   |          | 06/19/21 19:05 | 20      |
| cis-1,3-Dichloropropane               | ND     |           | 10  | 3.8 | ug/L |   |          | 06/19/21 19:05 | 20      |
| Carbon disulfide                      | ND     |           | 20  | 4.9 | ug/L |   |          | 06/19/21 19:05 | 20      |
| Carbon tetrachloride                  | ND     |           | 10  | 5.4 | ug/L |   |          | 06/19/21 19:05 | 20      |
| Chlorobenzene                         | ND     |           | 10  | 4.8 | ug/L |   |          | 06/19/21 19:05 | 20      |
| Chloroethane                          | ND     |           | 10  | 8.8 | ug/L |   |          | 06/19/21 19:05 | 20      |
| Chloroform                            | ND     |           | 10  | 5.7 | ug/L |   |          | 06/19/21 19:05 | 20      |
| Chloromethane                         | ND     |           | 20  | 5.9 | ug/L |   |          | 06/19/21 19:05 | 20      |
| Dibromochloromethane                  | ND     |           | 10  | 5.4 | ug/L |   |          | 06/19/21 19:05 | 20      |
| Dibromomethane                        | ND     |           | 10  | 4.6 | ug/L |   |          | 06/19/21 19:05 | 20      |
| Dichlorodifluoromethane               | ND     |           | 20  | 14  | ug/L |   |          | 06/19/21 19:05 | 20      |
| Ethylbenzene                          | ND     |           | 10  | 7.1 | ug/L |   |          | 06/19/21 19:05 | 20      |
| Isopropylbenzene                      | ND     |           | 10  | 7.7 | ug/L |   |          | 06/19/21 19:05 | 20      |
| Methylene Chloride                    | ND     |           | 20  | 9.6 | ug/L |   |          | 06/19/21 19:05 | 20      |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 10  | 4.1 | ug/L |   |          | 06/19/21 19:05 | 20      |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HEW-0100  
Date Collected: 06/09/21 13:00  
Date Received: 06/09/21 17:00

Lab Sample ID: 570-61385-5  
Matrix: Water

| Analyte                   | Result     | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|-----|------|---|----------|----------------|---------|
| Naphthalene               | ND         |           | 20  | 6.4 | ug/L |   |          | 06/19/21 19:05 | 20      |
| n-Butylbenzene            | ND         |           | 10  | 5.9 | ug/L |   |          | 06/19/21 19:05 | 20      |
| N-Propylbenzene           | ND         |           | 10  | 7.8 | ug/L |   |          | 06/19/21 19:05 | 20      |
| o-Xylene                  | ND         |           | 10  | 7.0 | ug/L |   |          | 06/19/21 19:05 | 20      |
| m,p-Xylene                | ND         |           | 20  | 16  | ug/L |   |          | 06/19/21 19:05 | 20      |
| p-Isopropyltoluene        | ND         |           | 10  | 5.5 | ug/L |   |          | 06/19/21 19:05 | 20      |
| sec-Butylbenzene          | ND         |           | 10  | 6.8 | ug/L |   |          | 06/19/21 19:05 | 20      |
| Styrene                   | ND         |           | 10  | 5.5 | ug/L |   |          | 06/19/21 19:05 | 20      |
| trans-1,2-Dichloroethene  | ND         |           | 10  | 7.2 | ug/L |   |          | 06/19/21 19:05 | 20      |
| trans-1,3-Dichloropropene | ND         |           | 10  | 3.5 | ug/L |   |          | 06/19/21 19:05 | 20      |
| tert-Butylbenzene         | ND         |           | 10  | 6.8 | ug/L |   |          | 06/19/21 19:05 | 20      |
| <b>Tetrachloroethene</b>  | <b>9.6</b> | <b>J</b>  | 10  | 5.8 | ug/L |   |          | 06/19/21 19:05 | 20      |
| Toluene                   | ND         |           | 10  | 6.6 | ug/L |   |          | 06/19/21 19:05 | 20      |
| <b>Trichloroethene</b>    | <b>700</b> |           | 10  | 5.8 | ug/L |   |          | 06/19/21 19:05 | 20      |
| Trichlorofluoromethane    | ND         |           | 10  | 5.9 | ug/L |   |          | 06/19/21 19:05 | 20      |
| Vinyl acetate             | ND         |           | 100 | 63  | ug/L |   |          | 06/19/21 19:05 | 20      |
| Vinyl chloride            | ND         |           | 10  | 8.0 | ug/L |   |          | 06/19/21 19:05 | 20      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 68 - 135 |          | 06/19/21 19:05 | 20      |
| 4-Bromofluorobenzene (Surr)  | 91        |           | 71 - 120 |          | 06/19/21 19:05 | 20      |
| Dibromofluoromethane         | 104       |           | 80 - 120 |          | 06/19/21 19:05 | 20      |
| Toluene-d8 (Surr)            | 103       |           | 80 - 120 |          | 06/19/21 19:05 | 20      |

Client Sample ID: RB-06092021  
Date Collected: 06/09/21 13:25  
Date Received: 06/09/21 17:00

Lab Sample ID: 570-61385-6  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 06/19/21 19:32 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/19/21 19:32 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 06/19/21 19:32 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 06/19/21 19:32 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 06/19/21 19:32 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 06/19/21 19:32 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 06/19/21 19:32 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 06/19/21 19:32 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 06/19/21 19:32 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 06/19/21 19:32 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 06/19/21 19:32 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 06/19/21 19:32 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 06/19/21 19:32 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 06/19/21 19:32 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 06/19/21 19:32 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 06/19/21 19:32 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 06/19/21 19:32 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 06/19/21 19:32 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 06/19/21 19:32 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 06/19/21 19:32 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 06/19/21 19:32 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 06/19/21 19:32 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: RB-06092021

Date Collected: 06/09/21 13:25

Date Received: 06/09/21 17:00

Lab Sample ID: 570-61385-6

Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  | 3.0  | ug/L |   |          | 06/19/21 19:32 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 06/19/21 19:32 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 06/19/21 19:32 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 06/19/21 19:32 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 06/19/21 19:32 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 06/19/21 19:32 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 06/19/21 19:32 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 06/19/21 19:32 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.28 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  | 0.68 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 | 0.21 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Naphthalene                 | ND     |           | 1.0  | 0.32 | ug/L |   |          | 06/19/21 19:32 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 06/19/21 19:32 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 06/19/21 19:32 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 06/19/21 19:32 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 06/19/21 19:32 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 06/19/21 19:32 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 06/19/21 19:32 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 06/19/21 19:32 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 06/19/21 19:32 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Trichloroethene             | ND     |           | 0.50 | 0.29 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 06/19/21 19:32 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 06/19/21 19:32 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.40 | ug/L |   |          | 06/19/21 19:32 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 100       |           | 68 - 135 |          | 06/19/21 19:32 | 1       |
| 4-Bromofluorobenzene (Surr)  | 90        |           | 71 - 120 |          | 06/19/21 19:32 | 1       |
| Dibromofluoromethane         | 104       |           | 80 - 120 |          | 06/19/21 19:32 | 1       |
| Toluene-d8 (Surr)            | 106       |           | 80 - 120 |          | 06/19/21 19:32 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: LAX-03  
Date Collected: 06/09/21 13:05  
Date Received: 06/09/21 17:00

Lab Sample ID: 570-61385-7  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 06/19/21 19:59 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/19/21 19:59 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 06/19/21 19:59 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 06/19/21 19:59 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 06/19/21 19:59 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 06/19/21 19:59 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 06/19/21 19:59 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 06/19/21 19:59 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 06/19/21 19:59 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 06/19/21 19:59 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 06/19/21 19:59 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 06/19/21 19:59 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 06/19/21 19:59 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 06/19/21 19:59 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 06/19/21 19:59 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 06/19/21 19:59 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 06/19/21 19:59 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 06/19/21 19:59 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 06/19/21 19:59 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 06/19/21 19:59 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 06/19/21 19:59 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 06/19/21 19:59 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 06/19/21 19:59 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 06/19/21 19:59 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 06/19/21 19:59 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 06/19/21 19:59 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 06/19/21 19:59 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 06/19/21 19:59 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/19/21 19:59 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 06/19/21 19:59 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 06/19/21 19:59 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 06/19/21 19:59 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 06/19/21 19:59 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 06/19/21 19:59 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 06/19/21 19:59 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 06/19/21 19:59 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 06/19/21 19:59 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/19/21 19:59 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 06/19/21 19:59 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 06/19/21 19:59 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 06/19/21 19:59 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 06/19/21 19:59 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/19/21 19:59 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 06/19/21 19:59 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 06/19/21 19:59 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 06/19/21 19:59 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 06/19/21 19:59 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 06/19/21 19:59 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 06/19/21 19:59 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: LAX-03  
Date Collected: 06/09/21 13:05  
Date Received: 06/09/21 17:00

Lab Sample ID: 570-61385-7  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 06/19/21 19:59 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 06/19/21 19:59 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 06/19/21 19:59 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 06/19/21 19:59 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 06/19/21 19:59 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 06/19/21 19:59 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 06/19/21 19:59 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 06/19/21 19:59 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 06/19/21 19:59 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 06/19/21 19:59 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 06/19/21 19:59 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 06/19/21 19:59 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 06/19/21 19:59 | 1       |
| Trichloroethene           | 0.35   | J         | 0.50 | 0.29 | ug/L |   |          | 06/19/21 19:59 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 06/19/21 19:59 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 06/19/21 19:59 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.40 | ug/L |   |          | 06/19/21 19:59 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 68 - 135 |          | 06/19/21 19:59 | 1       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 71 - 120 |          | 06/19/21 19:59 | 1       |
| Dibromofluoromethane         | 106       |           | 80 - 120 |          | 06/19/21 19:59 | 1       |
| Toluene-d8 (Surr)            | 105       |           | 80 - 120 |          | 06/19/21 19:59 | 1       |

Client Sample ID: HEW-04  
Date Collected: 06/09/21 14:50  
Date Received: 06/09/21 17:00

Lab Sample ID: 570-61385-8  
Matrix: Water

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 2.0 | 1.0  | ug/L |   |          | 06/19/21 20:26 | 4       |
| 1,1,1-Trichloroethane                 | ND     |           | 2.0 | 1.1  | ug/L |   |          | 06/19/21 20:26 | 4       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 2.0 | 0.78 | ug/L |   |          | 06/19/21 20:26 | 4       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 2.0 | 1.0  | ug/L |   |          | 06/19/21 20:26 | 4       |
| 1,1,2-Trichloroethane                 | ND     |           | 2.0 | 0.34 | ug/L |   |          | 06/19/21 20:26 | 4       |
| 1,1-Dichloroethane                    | ND     |           | 2.0 | 1.4  | ug/L |   |          | 06/19/21 20:26 | 4       |
| 1,1-Dichloroethene                    | ND     |           | 2.0 | 1.6  | ug/L |   |          | 06/19/21 20:26 | 4       |
| 1,1-Dichloropropene                   | ND     |           | 2.0 | 0.97 | ug/L |   |          | 06/19/21 20:26 | 4       |
| 1,2,3-Trichlorobenzene                | ND     |           | 2.0 | 1.1  | ug/L |   |          | 06/19/21 20:26 | 4       |
| 1,2,3-Trichloropropane                | ND     |           | 2.0 | 1.3  | ug/L |   |          | 06/19/21 20:26 | 4       |
| 1,2,4-Trichlorobenzene                | ND     |           | 2.0 | 1.5  | ug/L |   |          | 06/19/21 20:26 | 4       |
| 1,2,4-Trimethylbenzene                | ND     |           | 2.0 | 1.1  | ug/L |   |          | 06/19/21 20:26 | 4       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 4.0 | 2.6  | ug/L |   |          | 06/19/21 20:26 | 4       |
| 1,2-Dibromoethane                     | ND     |           | 2.0 | 0.55 | ug/L |   |          | 06/19/21 20:26 | 4       |
| 1,2-Dichlorobenzene                   | ND     |           | 2.0 | 0.92 | ug/L |   |          | 06/19/21 20:26 | 4       |
| 1,2-Dichloroethane                    | ND     |           | 2.0 | 0.60 | ug/L |   |          | 06/19/21 20:26 | 4       |
| 1,2-Dichloropropane                   | ND     |           | 2.0 | 0.96 | ug/L |   |          | 06/19/21 20:26 | 4       |
| 1,3,5-Trimethylbenzene                | ND     |           | 2.0 | 1.1  | ug/L |   |          | 06/19/21 20:26 | 4       |
| 1,3-Dichlorobenzene                   | ND     |           | 2.0 | 1.0  | ug/L |   |          | 06/19/21 20:26 | 4       |
| 1,3-Dichloropropane                   | ND     |           | 2.0 | 0.82 | ug/L |   |          | 06/19/21 20:26 | 4       |
| 1,4-Dichlorobenzene                   | ND     |           | 2.0 | 0.90 | ug/L |   |          | 06/19/21 20:26 | 4       |
| 2,2-Dichloropropane                   | ND     |           | 2.0 | 1.6  | ug/L |   |          | 06/19/21 20:26 | 4       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HEW-04  
Date Collected: 06/09/21 14:50  
Date Received: 06/09/21 17:00

Lab Sample ID: 570-61385-8  
Matrix: Water

| Analyte                     | Result     | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND         |           | 20  | 12   | ug/L |   |          | 06/19/21 20:26 | 4       |
| 2-Chlorotoluene             | ND         |           | 2.0 | 1.2  | ug/L |   |          | 06/19/21 20:26 | 4       |
| 2-Hexanone                  | ND         |           | 24  | 17   | ug/L |   |          | 06/19/21 20:26 | 4       |
| 4-Chlorotoluene             | ND         |           | 2.0 | 1.3  | ug/L |   |          | 06/19/21 20:26 | 4       |
| 4-Methyl-2-pentanone        | ND         |           | 20  | 9.0  | ug/L |   |          | 06/19/21 20:26 | 4       |
| Acetone                     | ND         |           | 32  | 16   | ug/L |   |          | 06/19/21 20:26 | 4       |
| Benzene                     | ND         |           | 2.0 | 1.1  | ug/L |   |          | 06/19/21 20:26 | 4       |
| Bromobenzene                | ND         |           | 2.0 | 1.0  | ug/L |   |          | 06/19/21 20:26 | 4       |
| Bromochloromethane          | ND         |           | 4.0 | 1.4  | ug/L |   |          | 06/19/21 20:26 | 4       |
| Bromodichloromethane        | ND         |           | 2.0 | 0.89 | ug/L |   |          | 06/19/21 20:26 | 4       |
| Bromoform                   | ND         |           | 2.0 | 1.6  | ug/L |   |          | 06/19/21 20:26 | 4       |
| Bromomethane                | ND         |           | 4.0 | 3.7  | ug/L |   |          | 06/19/21 20:26 | 4       |
| cis-1,2-Dichloroethene      | ND         |           | 2.0 | 1.2  | ug/L |   |          | 06/19/21 20:26 | 4       |
| cis-1,3-Dichloropropene     | ND         |           | 2.0 | 0.77 | ug/L |   |          | 06/19/21 20:26 | 4       |
| Carbon disulfide            | ND         |           | 4.0 | 0.98 | ug/L |   |          | 06/19/21 20:26 | 4       |
| Carbon tetrachloride        | ND         |           | 2.0 | 1.1  | ug/L |   |          | 06/19/21 20:26 | 4       |
| Chlorobenzene               | ND         |           | 2.0 | 0.95 | ug/L |   |          | 06/19/21 20:26 | 4       |
| Chloroethane                | ND         |           | 2.0 | 1.8  | ug/L |   |          | 06/19/21 20:26 | 4       |
| Chloroform                  | ND         |           | 2.0 | 1.1  | ug/L |   |          | 06/19/21 20:26 | 4       |
| Chloromethane               | ND         |           | 4.0 | 1.2  | ug/L |   |          | 06/19/21 20:26 | 4       |
| Dibromochloromethane        | ND         |           | 2.0 | 1.1  | ug/L |   |          | 06/19/21 20:26 | 4       |
| Dibromomethane              | ND         |           | 2.0 | 0.92 | ug/L |   |          | 06/19/21 20:26 | 4       |
| Dichlorodifluoromethane     | ND         |           | 4.0 | 2.7  | ug/L |   |          | 06/19/21 20:26 | 4       |
| Ethylbenzene                | ND         |           | 2.0 | 1.4  | ug/L |   |          | 06/19/21 20:26 | 4       |
| Isopropylbenzene            | ND         |           | 2.0 | 1.5  | ug/L |   |          | 06/19/21 20:26 | 4       |
| Methylene Chloride          | ND         |           | 4.0 | 1.9  | ug/L |   |          | 06/19/21 20:26 | 4       |
| Methyl-t-Butyl Ether (MTBE) | ND         |           | 2.0 | 0.82 | ug/L |   |          | 06/19/21 20:26 | 4       |
| Naphthalene                 | ND         |           | 4.0 | 1.3  | ug/L |   |          | 06/19/21 20:26 | 4       |
| n-Butylbenzene              | ND         |           | 2.0 | 1.2  | ug/L |   |          | 06/19/21 20:26 | 4       |
| N-Propylbenzene             | ND         |           | 2.0 | 1.6  | ug/L |   |          | 06/19/21 20:26 | 4       |
| o-Xylene                    | ND         |           | 2.0 | 1.4  | ug/L |   |          | 06/19/21 20:26 | 4       |
| m,p-Xylene                  | ND         |           | 4.0 | 3.1  | ug/L |   |          | 06/19/21 20:26 | 4       |
| p-Isopropyltoluene          | ND         |           | 2.0 | 1.1  | ug/L |   |          | 06/19/21 20:26 | 4       |
| sec-Butylbenzene            | ND         |           | 2.0 | 1.4  | ug/L |   |          | 06/19/21 20:26 | 4       |
| Styrene                     | ND         |           | 2.0 | 1.1  | ug/L |   |          | 06/19/21 20:26 | 4       |
| trans-1,2-Dichloroethene    | ND         |           | 2.0 | 1.4  | ug/L |   |          | 06/19/21 20:26 | 4       |
| trans-1,3-Dichloropropene   | ND         |           | 2.0 | 0.69 | ug/L |   |          | 06/19/21 20:26 | 4       |
| tert-Butylbenzene           | ND         |           | 2.0 | 1.4  | ug/L |   |          | 06/19/21 20:26 | 4       |
| <b>Tetrachloroethene</b>    | <b>1.3</b> | <b>J</b>  | 2.0 | 1.2  | ug/L |   |          | 06/19/21 20:26 | 4       |
| Toluene                     | ND         |           | 2.0 | 1.3  | ug/L |   |          | 06/19/21 20:26 | 4       |
| <b>Trichloroethene</b>      | <b>91</b>  |           | 2.0 | 1.2  | ug/L |   |          | 06/19/21 20:26 | 4       |
| Trichlorofluoromethane      | ND         |           | 2.0 | 1.2  | ug/L |   |          | 06/19/21 20:26 | 4       |
| Vinyl acetate               | ND         |           | 20  | 13   | ug/L |   |          | 06/19/21 20:26 | 4       |
| Vinyl chloride              | ND         |           | 2.0 | 1.6  | ug/L |   |          | 06/19/21 20:26 | 4       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 68 - 135 |          | 06/19/21 20:26 | 4       |
| 4-Bromofluorobenzene (Surr)  | 89        |           | 71 - 120 |          | 06/19/21 20:26 | 4       |
| Dibromofluoromethane         | 106       |           | 80 - 120 |          | 06/19/21 20:26 | 4       |
| Toluene-d8 (Surr)            | 107       |           | 80 - 120 |          | 06/19/21 20:26 | 4       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: UAX-03  
Date Collected: 06/09/21 15:25  
Date Received: 06/09/21 17:00

Lab Sample ID: 570-61385-9  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 06/19/21 20:53 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/19/21 20:53 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 06/19/21 20:53 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 06/19/21 20:53 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 06/19/21 20:53 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 06/19/21 20:53 | 1       |
| 1,1-Dichloroethene                    | 0.53   |           | 0.50 | 0.39  | ug/L |   |          | 06/19/21 20:53 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 06/19/21 20:53 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 06/19/21 20:53 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 06/19/21 20:53 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 06/19/21 20:53 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 06/19/21 20:53 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 06/19/21 20:53 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 06/19/21 20:53 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 06/19/21 20:53 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 06/19/21 20:53 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 06/19/21 20:53 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 06/19/21 20:53 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 06/19/21 20:53 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 06/19/21 20:53 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 06/19/21 20:53 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 06/19/21 20:53 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 06/19/21 20:53 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 06/19/21 20:53 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 06/19/21 20:53 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 06/19/21 20:53 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 06/19/21 20:53 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 06/19/21 20:53 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/19/21 20:53 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 06/19/21 20:53 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 06/19/21 20:53 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 06/19/21 20:53 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 06/19/21 20:53 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 06/19/21 20:53 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 06/19/21 20:53 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 06/19/21 20:53 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 06/19/21 20:53 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/19/21 20:53 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 06/19/21 20:53 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 06/19/21 20:53 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 06/19/21 20:53 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 06/19/21 20:53 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/19/21 20:53 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 06/19/21 20:53 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 06/19/21 20:53 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 06/19/21 20:53 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 06/19/21 20:53 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 06/19/21 20:53 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 06/19/21 20:53 | 1       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UAX-03  
Date Collected: 06/09/21 15:25  
Date Received: 06/09/21 17:00

Lab Sample ID: 570-61385-9  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 06/19/21 20:53 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 06/19/21 20:53 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 06/19/21 20:53 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 06/19/21 20:53 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 06/19/21 20:53 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 06/19/21 20:53 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 06/19/21 20:53 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 06/19/21 20:53 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 06/19/21 20:53 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 06/19/21 20:53 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 06/19/21 20:53 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 06/19/21 20:53 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 06/19/21 20:53 | 1       |
| Trichloroethene           | 9.5    |           | 0.50 | 0.29 | ug/L |   |          | 06/19/21 20:53 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 06/19/21 20:53 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 06/19/21 20:53 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.40 | ug/L |   |          | 06/19/21 20:53 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 109       |           | 68 - 135 |          | 06/19/21 20:53 | 1       |
| 4-Bromofluorobenzene (Surr)  | 91        |           | 71 - 120 |          | 06/19/21 20:53 | 1       |
| Dibromofluoromethane         | 107       |           | 80 - 120 |          | 06/19/21 20:53 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 120 |          | 06/19/21 20:53 | 1       |

Client Sample ID: LAX-02  
Date Collected: 06/09/21 14:25  
Date Received: 06/09/21 17:00

Lab Sample ID: 570-61385-10  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 06/19/21 21:20 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/19/21 21:20 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 06/19/21 21:20 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 06/19/21 21:20 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 06/19/21 21:20 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 06/19/21 21:20 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 06/19/21 21:20 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 06/19/21 21:20 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 06/19/21 21:20 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 06/19/21 21:20 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 06/19/21 21:20 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 06/19/21 21:20 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 06/19/21 21:20 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 06/19/21 21:20 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 06/19/21 21:20 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 06/19/21 21:20 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 06/19/21 21:20 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 06/19/21 21:20 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 06/19/21 21:20 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 06/19/21 21:20 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 06/19/21 21:20 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 06/19/21 21:20 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: LAX-02  
Date Collected: 06/09/21 14:25  
Date Received: 06/09/21 17:00

Lab Sample ID: 570-61385-10  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  | 3.0  | ug/L |   |          | 06/19/21 21:20 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 06/19/21 21:20 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 06/19/21 21:20 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 06/19/21 21:20 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 06/19/21 21:20 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 06/19/21 21:20 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 06/19/21 21:20 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 06/19/21 21:20 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.28 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  | 0.68 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 | 0.21 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Naphthalene                 | ND     |           | 1.0  | 0.32 | ug/L |   |          | 06/19/21 21:20 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 06/19/21 21:20 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 06/19/21 21:20 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 06/19/21 21:20 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 06/19/21 21:20 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 06/19/21 21:20 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 06/19/21 21:20 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 06/19/21 21:20 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 06/19/21 21:20 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Trichloroethene             | ND     |           | 0.50 | 0.29 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 06/19/21 21:20 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 06/19/21 21:20 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.40 | ug/L |   |          | 06/19/21 21:20 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 108       |           | 68 - 135 |          | 06/19/21 21:20 | 1       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 71 - 120 |          | 06/19/21 21:20 | 1       |
| Dibromofluoromethane         | 108       |           | 80 - 120 |          | 06/19/21 21:20 | 1       |
| Toluene-d8 (Surr)            | 106       |           | 80 - 120 |          | 06/19/21 21:20 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

**Client Sample ID: LAX-01**  
**Date Collected: 06/09/21 10:15**  
**Date Received: 06/09/21 17:00**

**Lab Sample ID: 570-61385-2**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |           | 0.50     | 0.34 | ug/L |   | 06/11/21 07:44 | 06/15/21 06:23 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 43        |           | 15 - 150 |      |      |   | 06/11/21 07:44 | 06/15/21 06:23 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 121       |           | 46 - 128 |      |      |   | 06/11/21 07:44 | 06/15/21 06:23 | 1       |

**Client Sample ID: UAX-01**  
**Date Collected: 06/09/21 11:55**  
**Date Received: 06/09/21 17:00**

**Lab Sample ID: 570-61385-3**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 0.57      |           | 0.50     | 0.34 | ug/L |   | 06/11/21 07:44 | 06/17/21 00:25 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 39        |           | 15 - 150 |      |      |   | 06/11/21 07:44 | 06/17/21 00:25 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 117       |           | 46 - 128 |      |      |   | 06/11/21 07:44 | 06/17/21 00:25 | 1       |

**Client Sample ID: HEW-01**  
**Date Collected: 06/09/21 12:20**  
**Date Received: 06/09/21 17:00**

**Lab Sample ID: 570-61385-4**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 1.9       |           | 0.50     | 0.34 | ug/L |   | 06/11/21 07:44 | 06/17/21 00:40 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 36        |           | 15 - 150 |      |      |   | 06/11/21 07:44 | 06/17/21 00:40 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 122       |           | 46 - 128 |      |      |   | 06/11/21 07:44 | 06/17/21 00:40 | 1       |

**Client Sample ID: HEW-0100**  
**Date Collected: 06/09/21 13:00**  
**Date Received: 06/09/21 17:00**

**Lab Sample ID: 570-61385-5**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 1.9       |           | 0.50     | 0.34 | ug/L |   | 06/11/21 07:44 | 06/17/21 00:55 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 39        |           | 15 - 150 |      |      |   | 06/11/21 07:44 | 06/17/21 00:55 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 122       |           | 46 - 128 |      |      |   | 06/11/21 07:44 | 06/17/21 00:55 | 1       |

**Client Sample ID: LAX-03**  
**Date Collected: 06/09/21 13:05**  
**Date Received: 06/09/21 17:00**

**Lab Sample ID: 570-61385-7**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |           | 0.50     | 0.34 | ug/L |   | 06/11/21 07:44 | 06/17/21 01:10 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 33        |           | 15 - 150 |      |      |   | 06/11/21 07:44 | 06/17/21 01:10 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 122       |           | 46 - 128 |      |      |   | 06/11/21 07:44 | 06/17/21 01:10 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

**Client Sample ID: HEW-04**  
**Date Collected: 06/09/21 14:50**  
**Date Received: 06/09/21 17:00**

**Lab Sample ID: 570-61385-8**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 7.2       |           | 0.50     | 0.34 | ug/L |   | 06/11/21 07:44 | 06/17/21 01:24 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 37        |           | 15 - 150 |      |      |   | 06/11/21 07:44 | 06/17/21 01:24 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 125       |           | 46 - 128 |      |      |   | 06/11/21 07:44 | 06/17/21 01:24 | 1       |

**Client Sample ID: UAX-03**  
**Date Collected: 06/09/21 15:25**  
**Date Received: 06/09/21 17:00**

**Lab Sample ID: 570-61385-9**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |           | 0.50     | 0.34 | ug/L |   | 06/11/21 07:44 | 06/17/21 01:39 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 32        |           | 15 - 150 |      |      |   | 06/11/21 07:44 | 06/17/21 01:39 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 122       |           | 46 - 128 |      |      |   | 06/11/21 07:44 | 06/17/21 01:39 | 1       |

**Client Sample ID: LAX-02**  
**Date Collected: 06/09/21 14:25**  
**Date Received: 06/09/21 17:00**

**Lab Sample ID: 570-61385-10**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |           | 0.50     | 0.34 | ug/L |   | 06/11/21 07:44 | 06/17/21 01:54 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 46        |           | 15 - 150 |      |      |   | 06/11/21 07:44 | 06/17/21 01:54 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 114       |           | 46 - 128 |      |      |   | 06/11/21 07:44 | 06/17/21 01:54 | 1       |

# Surrogate Summary

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID     | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                 |                  |                 |
|-------------------|------------------------|------------------------------------------------|-----------------|------------------|-----------------|
|                   |                        | DCA<br>(68-135)                                | BFB<br>(71-120) | DBFM<br>(80-120) | TOL<br>(80-120) |
| 570-61385-1       | TB-06092021            | 98                                             | 92              | 102              | 104             |
| 570-61385-2       | LAX-01                 | 101                                            | 96              | 106              | 107             |
| 570-61385-3       | UAX-01                 | 105                                            | 94              | 106              | 104             |
| 570-61385-4       | HEW-01                 | 106                                            | 92              | 106              | 102             |
| 570-61385-5       | HEW-0100               | 105                                            | 91              | 104              | 103             |
| 570-61385-6       | RB-06092021            | 100                                            | 90              | 104              | 106             |
| 570-61385-7       | LAX-03                 | 106                                            | 92              | 106              | 105             |
| 570-61385-8       | HEW-04                 | 106                                            | 89              | 106              | 107             |
| 570-61385-9       | UAX-03                 | 109                                            | 91              | 107              | 102             |
| 570-61385-10      | LAX-02                 | 108                                            | 92              | 108              | 106             |
| LCS 570-158479/3  | Lab Control Sample     | 98                                             | 100             | 100              | 103             |
| LCS 570-158542/4  | Lab Control Sample     | 103                                            | 101             | 101              | 101             |
| LCSD 570-158479/4 | Lab Control Sample Dup | 98                                             | 101             | 100              | 102             |
| LCSD 570-158542/5 | Lab Control Sample Dup | 106                                            | 102             | 107              | 102             |
| MB 570-158479/7   | Method Blank           | 103                                            | 94              | 103              | 104             |
| MB 570-158542/8   | Method Blank           | 106                                            | 98              | 106              | 107             |

**Surrogate Legend**

DCA = 1,2-Dichloroethane-d4 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
DBFM = Dibromofluoromethane  
TOL = Toluene-d8 (Surr)

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID       | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |  |  |  |
|---------------------|------------------------|------------------------------------------------|--|--|--|
|                     |                        | NBZ<br>(46-128)                                |  |  |  |
| 570-61385-2         | LAX-01                 | 121                                            |  |  |  |
| 570-61385-2 MS      | LAX-01                 | 113                                            |  |  |  |
| 570-61385-2 MSD     | LAX-01                 | 119                                            |  |  |  |
| 570-61385-3         | UAX-01                 | 117                                            |  |  |  |
| 570-61385-4         | HEW-01                 | 122                                            |  |  |  |
| 570-61385-5         | HEW-0100               | 122                                            |  |  |  |
| 570-61385-7         | LAX-03                 | 122                                            |  |  |  |
| 570-61385-8         | HEW-04                 | 125                                            |  |  |  |
| 570-61385-9         | UAX-03                 | 122                                            |  |  |  |
| 570-61385-10        | LAX-02                 | 114                                            |  |  |  |
| LCS 570-156649/2-A  | Lab Control Sample     | 114                                            |  |  |  |
| LCSD 570-156649/3-A | Lab Control Sample Dup | 97                                             |  |  |  |
| MB 570-156649/1-A   | Method Blank           | 111                                            |  |  |  |

**Surrogate Legend**

NBZ = Nitrobenzene-d5

# Isotope Dilution Summary

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

**Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)**

**Matrix: Water**

**Prep Type: Total/NA**

## Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | DXE<br>(15-150) |
|---------------------|------------------------|-----------------|
| 570-61385-2         | LAX-01                 | 43              |
| 570-61385-2 MS      | LAX-01                 | 35              |
| 570-61385-2 MSD     | LAX-01                 | 38              |
| 570-61385-3         | UAX-01                 | 39              |
| 570-61385-4         | HEW-01                 | 36              |
| 570-61385-5         | HEW-0100               | 39              |
| 570-61385-7         | LAX-03                 | 33              |
| 570-61385-8         | HEW-04                 | 37              |
| 570-61385-9         | UAX-03                 | 32              |
| 570-61385-10        | LAX-02                 | 46              |
| LCS 570-156649/2-A  | Lab Control Sample     | 44              |
| LCSD 570-156649/3-A | Lab Control Sample Dup | 49              |
| MB 570-156649/1-A   | Method Blank           | 39              |

### Surrogate Legend

DXE = 1,4-Dioxane-d8

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-158479/7

Matrix: Water

Analysis Batch: 158479

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB Result | MB Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND        |              | 0.50 | 0.26  | ug/L |   |          | 06/19/21 14:07 | 1       |
| 1,1,1-Trichloroethane                 | ND        |              | 0.50 | 0.27  | ug/L |   |          | 06/19/21 14:07 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND        |              | 0.50 | 0.19  | ug/L |   |          | 06/19/21 14:07 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND        |              | 0.50 | 0.25  | ug/L |   |          | 06/19/21 14:07 | 1       |
| 1,1,2-Trichloroethane                 | ND        |              | 0.50 | 0.085 | ug/L |   |          | 06/19/21 14:07 | 1       |
| 1,1-Dichloroethane                    | ND        |              | 0.50 | 0.35  | ug/L |   |          | 06/19/21 14:07 | 1       |
| 1,1-Dichloroethene                    | ND        |              | 0.50 | 0.39  | ug/L |   |          | 06/19/21 14:07 | 1       |
| 1,1-Dichloropropene                   | ND        |              | 0.50 | 0.24  | ug/L |   |          | 06/19/21 14:07 | 1       |
| 1,2,3-Trichlorobenzene                | ND        |              | 0.50 | 0.28  | ug/L |   |          | 06/19/21 14:07 | 1       |
| 1,2,3-Trichloropropane                | ND        |              | 0.50 | 0.32  | ug/L |   |          | 06/19/21 14:07 | 1       |
| 1,2,4-Trichlorobenzene                | ND        |              | 0.50 | 0.38  | ug/L |   |          | 06/19/21 14:07 | 1       |
| 1,2,4-Trimethylbenzene                | ND        |              | 0.50 | 0.29  | ug/L |   |          | 06/19/21 14:07 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND        |              | 1.0  | 0.64  | ug/L |   |          | 06/19/21 14:07 | 1       |
| 1,2-Dibromoethane                     | ND        |              | 0.50 | 0.14  | ug/L |   |          | 06/19/21 14:07 | 1       |
| 1,2-Dichlorobenzene                   | ND        |              | 0.50 | 0.23  | ug/L |   |          | 06/19/21 14:07 | 1       |
| 1,2-Dichloroethane                    | ND        |              | 0.50 | 0.15  | ug/L |   |          | 06/19/21 14:07 | 1       |
| 1,2-Dichloropropane                   | ND        |              | 0.50 | 0.24  | ug/L |   |          | 06/19/21 14:07 | 1       |
| 1,3,5-Trimethylbenzene                | ND        |              | 0.50 | 0.28  | ug/L |   |          | 06/19/21 14:07 | 1       |
| 1,3-Dichlorobenzene                   | ND        |              | 0.50 | 0.26  | ug/L |   |          | 06/19/21 14:07 | 1       |
| 1,3-Dichloropropane                   | ND        |              | 0.50 | 0.20  | ug/L |   |          | 06/19/21 14:07 | 1       |
| 1,4-Dichlorobenzene                   | ND        |              | 0.50 | 0.22  | ug/L |   |          | 06/19/21 14:07 | 1       |
| 2,2-Dichloropropane                   | ND        |              | 0.50 | 0.40  | ug/L |   |          | 06/19/21 14:07 | 1       |
| 2-Butanone                            | ND        |              | 5.0  | 3.0   | ug/L |   |          | 06/19/21 14:07 | 1       |
| 2-Chlorotoluene                       | ND        |              | 0.50 | 0.31  | ug/L |   |          | 06/19/21 14:07 | 1       |
| 2-Hexanone                            | ND        |              | 6.0  | 4.3   | ug/L |   |          | 06/19/21 14:07 | 1       |
| 4-Chlorotoluene                       | ND        |              | 0.50 | 0.34  | ug/L |   |          | 06/19/21 14:07 | 1       |
| 4-Methyl-2-pentanone                  | ND        |              | 5.0  | 2.2   | ug/L |   |          | 06/19/21 14:07 | 1       |
| Acetone                               | ND        |              | 8.0  | 4.0   | ug/L |   |          | 06/19/21 14:07 | 1       |
| Benzene                               | ND        |              | 0.50 | 0.27  | ug/L |   |          | 06/19/21 14:07 | 1       |
| Bromobenzene                          | ND        |              | 0.50 | 0.26  | ug/L |   |          | 06/19/21 14:07 | 1       |
| Bromochloromethane                    | ND        |              | 1.0  | 0.35  | ug/L |   |          | 06/19/21 14:07 | 1       |
| Bromodichloromethane                  | ND        |              | 0.50 | 0.22  | ug/L |   |          | 06/19/21 14:07 | 1       |
| Bromoform                             | ND        |              | 0.50 | 0.39  | ug/L |   |          | 06/19/21 14:07 | 1       |
| Bromomethane                          | ND        |              | 1.0  | 0.93  | ug/L |   |          | 06/19/21 14:07 | 1       |
| cis-1,2-Dichloroethene                | ND        |              | 0.50 | 0.30  | ug/L |   |          | 06/19/21 14:07 | 1       |
| cis-1,3-Dichloropropene               | ND        |              | 0.50 | 0.19  | ug/L |   |          | 06/19/21 14:07 | 1       |
| Carbon disulfide                      | ND        |              | 1.0  | 0.24  | ug/L |   |          | 06/19/21 14:07 | 1       |
| Carbon tetrachloride                  | ND        |              | 0.50 | 0.27  | ug/L |   |          | 06/19/21 14:07 | 1       |
| Chlorobenzene                         | ND        |              | 0.50 | 0.24  | ug/L |   |          | 06/19/21 14:07 | 1       |
| Chloroethane                          | ND        |              | 0.50 | 0.44  | ug/L |   |          | 06/19/21 14:07 | 1       |
| Chloroform                            | ND        |              | 0.50 | 0.28  | ug/L |   |          | 06/19/21 14:07 | 1       |
| Chloromethane                         | ND        |              | 1.0  | 0.29  | ug/L |   |          | 06/19/21 14:07 | 1       |
| Dibromochloromethane                  | ND        |              | 0.50 | 0.27  | ug/L |   |          | 06/19/21 14:07 | 1       |
| Dibromomethane                        | ND        |              | 0.50 | 0.23  | ug/L |   |          | 06/19/21 14:07 | 1       |
| Dichlorodifluoromethane               | ND        |              | 1.0  | 0.68  | ug/L |   |          | 06/19/21 14:07 | 1       |
| Ethylbenzene                          | ND        |              | 0.50 | 0.36  | ug/L |   |          | 06/19/21 14:07 | 1       |
| Isopropylbenzene                      | ND        |              | 0.50 | 0.38  | ug/L |   |          | 06/19/21 14:07 | 1       |
| Methylene Chloride                    | ND        |              | 1.0  | 0.48  | ug/L |   |          | 06/19/21 14:07 | 1       |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-158479/7

Matrix: Water

Analysis Batch: 158479

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|------|------|------|---|----------|----------------|---------|
| Methyl-t-Butyl Ether (MTBE) | ND        |              | 0.50 | 0.21 | ug/L |   |          | 06/19/21 14:07 | 1       |
| Naphthalene                 | ND        |              | 1.0  | 0.32 | ug/L |   |          | 06/19/21 14:07 | 1       |
| n-Butylbenzene              | ND        |              | 0.50 | 0.29 | ug/L |   |          | 06/19/21 14:07 | 1       |
| N-Propylbenzene             | ND        |              | 0.50 | 0.39 | ug/L |   |          | 06/19/21 14:07 | 1       |
| o-Xylene                    | ND        |              | 0.50 | 0.35 | ug/L |   |          | 06/19/21 14:07 | 1       |
| m,p-Xylene                  | ND        |              | 1.0  | 0.78 | ug/L |   |          | 06/19/21 14:07 | 1       |
| p-Isopropyltoluene          | ND        |              | 0.50 | 0.28 | ug/L |   |          | 06/19/21 14:07 | 1       |
| sec-Butylbenzene            | ND        |              | 0.50 | 0.34 | ug/L |   |          | 06/19/21 14:07 | 1       |
| Styrene                     | ND        |              | 0.50 | 0.28 | ug/L |   |          | 06/19/21 14:07 | 1       |
| trans-1,2-Dichloroethene    | ND        |              | 0.50 | 0.36 | ug/L |   |          | 06/19/21 14:07 | 1       |
| trans-1,3-Dichloropropene   | ND        |              | 0.50 | 0.17 | ug/L |   |          | 06/19/21 14:07 | 1       |
| tert-Butylbenzene           | ND        |              | 0.50 | 0.34 | ug/L |   |          | 06/19/21 14:07 | 1       |
| Tetrachloroethene           | ND        |              | 0.50 | 0.29 | ug/L |   |          | 06/19/21 14:07 | 1       |
| Toluene                     | ND        |              | 0.50 | 0.33 | ug/L |   |          | 06/19/21 14:07 | 1       |
| Trichloroethene             | ND        |              | 0.50 | 0.29 | ug/L |   |          | 06/19/21 14:07 | 1       |
| Trichlorofluoromethane      | ND        |              | 0.50 | 0.30 | ug/L |   |          | 06/19/21 14:07 | 1       |
| Vinyl acetate               | ND        |              | 5.0  | 3.1  | ug/L |   |          | 06/19/21 14:07 | 1       |
| Vinyl chloride              | ND        |              | 0.50 | 0.40 | ug/L |   |          | 06/19/21 14:07 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 103          |              | 68 - 135 |          | 06/19/21 14:07 | 1       |
| 4-Bromofluorobenzene (Surr)  | 94           |              | 71 - 120 |          | 06/19/21 14:07 | 1       |
| Dibromofluoromethane         | 103          |              | 80 - 120 |          | 06/19/21 14:07 | 1       |
| Toluene-d8 (Surr)            | 104          |              | 80 - 120 |          | 06/19/21 14:07 | 1       |

Lab Sample ID: LCS 570-158479/3

Matrix: Water

Analysis Batch: 158479

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,1,1,2-Tetrachloroethane             | 10.0        | 10.42      |               | ug/L |   | 104  | 76 - 143     |
| 1,1,1-Trichloroethane                 | 10.0        | 9.629      |               | ug/L |   | 96   | 75 - 128     |
| 1,1,2,2-Tetrachloroethane             | 10.0        | 10.20      |               | ug/L |   | 102  | 73 - 126     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0        | 8.856      |               | ug/L |   | 89   | 50 - 120     |
| 1,1,2-Trichloroethane                 | 10.0        | 10.56      |               | ug/L |   | 106  | 80 - 120     |
| 1,1-Dichloroethane                    | 10.0        | 9.467      |               | ug/L |   | 95   | 76 - 120     |
| 1,1-Dichloroethene                    | 10.0        | 9.384      |               | ug/L |   | 94   | 72 - 120     |
| 1,1-Dichloropropene                   | 10.0        | 9.048      |               | ug/L |   | 90   | 76 - 120     |
| 1,2,3-Trichlorobenzene                | 10.0        | 9.595      |               | ug/L |   | 96   | 80 - 125     |
| 1,2,3-Trichloropropane                | 10.0        | 8.962      |               | ug/L |   | 90   | 66 - 131     |
| 1,2,4-Trichlorobenzene                | 10.0        | 9.316      |               | ug/L |   | 93   | 80 - 123     |
| 1,2,4-Trimethylbenzene                | 10.0        | 9.755      |               | ug/L |   | 98   | 78 - 125     |
| 1,2-Dibromo-3-Chloropropane           | 10.0        | 8.400      |               | ug/L |   | 84   | 77 - 120     |
| 1,2-Dibromoethane                     | 10.0        | 10.25      |               | ug/L |   | 103  | 80 - 120     |
| 1,2-Dichlorobenzene                   | 10.0        | 9.963      |               | ug/L |   | 100  | 79 - 123     |
| 1,2-Dichloroethane                    | 10.0        | 10.76      |               | ug/L |   | 108  | 71 - 137     |
| 1,2-Dichloropropane                   | 10.0        | 10.08      |               | ug/L |   | 101  | 80 - 120     |
| 1,3,5-Trimethylbenzene                | 10.0        | 10.50      |               | ug/L |   | 105  | 77 - 133     |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-158479/3

Matrix: Water

Analysis Batch: 158479

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,3-Dichlorobenzene         | 10.0        | 9.852      |               | ug/L |   | 99   | 79 - 123     |
| 1,3-Dichloropropane         | 10.0        | 10.27      |               | ug/L |   | 103  | 80 - 123     |
| 1,4-Dichlorobenzene         | 10.0        | 9.651      |               | ug/L |   | 97   | 75 - 123     |
| 2,2-Dichloropropane         | 10.0        | 8.871      |               | ug/L |   | 89   | 78 - 133     |
| 2-Butanone                  | 10.0        | 9.484      |               | ug/L |   | 95   | 32 - 133     |
| 2-Chlorotoluene             | 10.0        | 10.03      |               | ug/L |   | 100  | 80 - 120     |
| 2-Hexanone                  | 10.0        | 8.994      |               | ug/L |   | 90   | 57 - 127     |
| 4-Chlorotoluene             | 10.0        | 9.751      |               | ug/L |   | 98   | 78 - 120     |
| 4-Methyl-2-pentanone        | 10.0        | 9.547      |               | ug/L |   | 95   | 68 - 120     |
| Acetone                     | 10.0        | 9.445      |               | ug/L |   | 94   | 57 - 133     |
| Benzene                     | 10.0        | 9.746      |               | ug/L |   | 97   | 80 - 120     |
| Bromobenzene                | 10.0        | 10.38      |               | ug/L |   | 104  | 80 - 124     |
| Bromochloromethane          | 10.0        | 10.04      |               | ug/L |   | 100  | 76 - 125     |
| Bromodichloromethane        | 10.0        | 10.56      |               | ug/L |   | 106  | 77 - 141     |
| Bromoform                   | 10.0        | 9.990      |               | ug/L |   | 100  | 46 - 178     |
| Bromomethane                | 10.0        | 8.914      |               | ug/L |   | 89   | 52 - 162     |
| cis-1,2-Dichloroethene      | 10.0        | 9.639      |               | ug/L |   | 96   | 76 - 122     |
| cis-1,3-Dichloropropene     | 10.0        | 9.512      |               | ug/L |   | 95   | 80 - 122     |
| Carbon disulfide            | 10.0        | 8.162      |               | ug/L |   | 82   | 66 - 125     |
| Carbon tetrachloride        | 10.0        | 9.982      |               | ug/L |   | 100  | 69 - 145     |
| Chlorobenzene               | 10.0        | 10.32      |               | ug/L |   | 103  | 80 - 120     |
| Chloroethane                | 10.0        | 10.04      |               | ug/L |   | 100  | 73 - 139     |
| Chloroform                  | 10.0        | 9.710      |               | ug/L |   | 97   | 80 - 120     |
| Chloromethane               | 10.0        | 10.08      |               | ug/L |   | 101  | 35 - 159     |
| Dibromochloromethane        | 10.0        | 10.57      |               | ug/L |   | 106  | 63 - 151     |
| Dibromomethane              | 10.0        | 10.02      |               | ug/L |   | 100  | 80 - 121     |
| Dichlorodifluoromethane     | 10.0        | 9.547      |               | ug/L |   | 95   | 59 - 139     |
| Ethylbenzene                | 10.0        | 10.28      |               | ug/L |   | 103  | 80 - 120     |
| Isopropylbenzene            | 10.0        | 10.32      |               | ug/L |   | 103  | 80 - 124     |
| Methylene Chloride          | 10.0        | 8.718      |               | ug/L |   | 87   | 70 - 120     |
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 9.638      |               | ug/L |   | 96   | 72 - 120     |
| Naphthalene                 | 10.0        | 9.727      |               | ug/L |   | 97   | 75 - 120     |
| n-Butylbenzene              | 10.0        | 9.565      |               | ug/L |   | 96   | 76 - 124     |
| N-Propylbenzene             | 10.0        | 10.38      |               | ug/L |   | 104  | 80 - 122     |
| o-Xylene                    | 10.0        | 10.19      |               | ug/L |   | 102  | 80 - 122     |
| m,p-Xylene                  | 20.0        | 20.69      |               | ug/L |   | 103  | 80 - 122     |
| p-Isopropyltoluene          | 10.0        | 9.712      |               | ug/L |   | 97   | 77 - 127     |
| sec-Butylbenzene            | 10.0        | 9.723      |               | ug/L |   | 97   | 75 - 123     |
| Styrene                     | 10.0        | 10.36      |               | ug/L |   | 104  | 80 - 121     |
| trans-1,2-Dichloroethene    | 10.0        | 9.655      |               | ug/L |   | 97   | 67 - 123     |
| trans-1,3-Dichloropropene   | 10.0        | 9.735      |               | ug/L |   | 97   | 78 - 140     |
| tert-Butylbenzene           | 10.0        | 9.662      |               | ug/L |   | 97   | 72 - 128     |
| Tetrachloroethene           | 10.0        | 10.14      |               | ug/L |   | 101  | 80 - 128     |
| Toluene                     | 10.0        | 10.03      |               | ug/L |   | 100  | 80 - 120     |
| Trichloroethene             | 10.0        | 10.03      |               | ug/L |   | 100  | 80 - 123     |
| Trichlorofluoromethane      | 10.0        | 10.21      |               | ug/L |   | 102  | 64 - 168     |
| Vinyl acetate               | 10.0        | 10.34      |               | ug/L |   | 103  | 75 - 144     |
| Vinyl chloride              | 10.0        | 10.20      |               | ug/L |   | 102  | 74 - 130     |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-158479/3

Matrix: Water

Analysis Batch: 158479

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

|                              | LCS       | LCS       |          |
|------------------------------|-----------|-----------|----------|
| Surrogate                    | %Recovery | Qualifier | Limits   |
| 1,2-Dichloroethane-d4 (Surr) | 98        |           | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 100       |           | 71 - 120 |
| Dibromofluoromethane         | 100       |           | 80 - 120 |
| Toluene-d8 (Surr)            | 103       |           | 80 - 120 |

Lab Sample ID: LCSD 570-158479/4

Matrix: Water

Analysis Batch: 158479

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane             | 10.0        | 10.37       |                | ug/L |   | 104  | 76 - 143     | 1   | 20        |
| 1,1,1-Trichloroethane                 | 10.0        | 9.240       |                | ug/L |   | 92   | 75 - 128     | 4   | 20        |
| 1,1,2,2-Tetrachloroethane             | 10.0        | 9.971       |                | ug/L |   | 100  | 73 - 126     | 2   | 21        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0        | 8.595       |                | ug/L |   | 86   | 50 - 120     | 3   | 20        |
| 1,1,2-Trichloroethane                 | 10.0        | 10.53       |                | ug/L |   | 105  | 80 - 120     | 0   | 20        |
| 1,1-Dichloroethane                    | 10.0        | 9.184       |                | ug/L |   | 92   | 76 - 120     | 3   | 20        |
| 1,1-Dichloroethene                    | 10.0        | 9.154       |                | ug/L |   | 92   | 72 - 120     | 2   | 20        |
| 1,1-Dichloropropene                   | 10.0        | 8.647       |                | ug/L |   | 86   | 76 - 120     | 5   | 20        |
| 1,2,3-Trichlorobenzene                | 10.0        | 9.379       |                | ug/L |   | 94   | 80 - 125     | 2   | 22        |
| 1,2,3-Trichloropropane                | 10.0        | 9.246       |                | ug/L |   | 92   | 66 - 131     | 3   | 20        |
| 1,2,4-Trichlorobenzene                | 10.0        | 8.676       |                | ug/L |   | 87   | 80 - 123     | 7   | 20        |
| 1,2,4-Trimethylbenzene                | 10.0        | 9.388       |                | ug/L |   | 94   | 78 - 125     | 4   | 22        |
| 1,2-Dibromo-3-Chloropropane           | 10.0        | 7.952       |                | ug/L |   | 80   | 77 - 120     | 5   | 21        |
| 1,2-Dibromoethane                     | 10.0        | 10.57       |                | ug/L |   | 106  | 80 - 120     | 3   | 20        |
| 1,2-Dichlorobenzene                   | 10.0        | 9.857       |                | ug/L |   | 99   | 79 - 123     | 1   | 20        |
| 1,2-Dichloroethane                    | 10.0        | 10.50       |                | ug/L |   | 105  | 71 - 137     | 2   | 20        |
| 1,2-Dichloropropane                   | 10.0        | 9.549       |                | ug/L |   | 95   | 80 - 120     | 5   | 20        |
| 1,3,5-Trimethylbenzene                | 10.0        | 10.15       |                | ug/L |   | 102  | 77 - 133     | 3   | 20        |
| 1,3-Dichlorobenzene                   | 10.0        | 9.598       |                | ug/L |   | 96   | 79 - 123     | 3   | 20        |
| 1,3-Dichloropropane                   | 10.0        | 9.805       |                | ug/L |   | 98   | 80 - 123     | 5   | 20        |
| 1,4-Dichlorobenzene                   | 10.0        | 9.371       |                | ug/L |   | 94   | 75 - 123     | 3   | 22        |
| 2,2-Dichloropropane                   | 10.0        | 8.490       |                | ug/L |   | 85   | 78 - 133     | 4   | 20        |
| 2-Butanone                            | 10.0        | 9.682       |                | ug/L |   | 97   | 32 - 133     | 2   | 26        |
| 2-Chlorotoluene                       | 10.0        | 9.669       |                | ug/L |   | 97   | 80 - 120     | 4   | 20        |
| 2-Hexanone                            | 10.0        | 7.672       |                | ug/L |   | 77   | 57 - 127     | 16  | 21        |
| 4-Chlorotoluene                       | 10.0        | 9.359       |                | ug/L |   | 94   | 78 - 120     | 4   | 21        |
| 4-Methyl-2-pentanone                  | 10.0        | 9.704       |                | ug/L |   | 97   | 68 - 120     | 2   | 20        |
| Acetone                               | 10.0        | 9.481       |                | ug/L |   | 95   | 57 - 133     | 0   | 28        |
| Benzene                               | 10.0        | 9.294       |                | ug/L |   | 93   | 80 - 120     | 5   | 20        |
| Bromobenzene                          | 10.0        | 10.36       |                | ug/L |   | 104  | 80 - 124     | 0   | 20        |
| Bromochloromethane                    | 10.0        | 9.883       |                | ug/L |   | 99   | 76 - 125     | 2   | 20        |
| Bromodichloromethane                  | 10.0        | 10.28       |                | ug/L |   | 103  | 77 - 141     | 3   | 20        |
| Bromoform                             | 10.0        | 9.908       |                | ug/L |   | 99   | 46 - 178     | 1   | 23        |
| Bromomethane                          | 10.0        | 8.811       |                | ug/L |   | 88   | 52 - 162     | 1   | 20        |
| cis-1,2-Dichloroethene                | 10.0        | 9.461       |                | ug/L |   | 95   | 76 - 122     | 2   | 20        |
| cis-1,3-Dichloropropene               | 10.0        | 9.121       |                | ug/L |   | 91   | 80 - 122     | 4   | 20        |
| Carbon disulfide                      | 10.0        | 7.871       |                | ug/L |   | 79   | 66 - 125     | 4   | 20        |
| Carbon tetrachloride                  | 10.0        | 9.485       |                | ug/L |   | 95   | 69 - 145     | 5   | 20        |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-158479/4

Matrix: Water

Analysis Batch: 158479

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                     | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Chlorobenzene               | 10.0        | 9.992       |                | ug/L |   | 100  | 80 - 120     | 3   | 20        |
| Chloroethane                | 10.0        | 9.919       |                | ug/L |   | 99   | 73 - 139     | 1   | 20        |
| Chloroform                  | 10.0        | 9.403       |                | ug/L |   | 94   | 80 - 120     | 3   | 20        |
| Chloromethane               | 10.0        | 10.00       |                | ug/L |   | 100  | 35 - 159     | 1   | 20        |
| Dibromochloromethane        | 10.0        | 10.60       |                | ug/L |   | 106  | 63 - 151     | 0   | 20        |
| Dibromomethane              | 10.0        | 9.742       |                | ug/L |   | 97   | 80 - 121     | 3   | 20        |
| Dichlorodifluoromethane     | 10.0        | 9.006       |                | ug/L |   | 90   | 59 - 139     | 6   | 20        |
| Ethylbenzene                | 10.0        | 9.944       |                | ug/L |   | 99   | 80 - 120     | 3   | 20        |
| Isopropylbenzene            | 10.0        | 9.982       |                | ug/L |   | 100  | 80 - 124     | 3   | 20        |
| Methylene Chloride          | 10.0        | 8.615       |                | ug/L |   | 86   | 70 - 120     | 1   | 20        |
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 9.704       |                | ug/L |   | 97   | 72 - 120     | 1   | 20        |
| Naphthalene                 | 10.0        | 9.613       |                | ug/L |   | 96   | 75 - 120     | 1   | 22        |
| n-Butylbenzene              | 10.0        | 9.113       |                | ug/L |   | 91   | 76 - 124     | 5   | 23        |
| N-Propylbenzene             | 10.0        | 10.13       |                | ug/L |   | 101  | 80 - 122     | 2   | 20        |
| o-Xylene                    | 10.0        | 9.920       |                | ug/L |   | 99   | 80 - 122     | 3   | 20        |
| m,p-Xylene                  | 20.0        | 19.81       |                | ug/L |   | 99   | 80 - 122     | 4   | 20        |
| p-Isopropyltoluene          | 10.0        | 9.389       |                | ug/L |   | 94   | 77 - 127     | 3   | 21        |
| sec-Butylbenzene            | 10.0        | 9.336       |                | ug/L |   | 93   | 75 - 123     | 4   | 21        |
| Styrene                     | 10.0        | 10.13       |                | ug/L |   | 101  | 80 - 121     | 2   | 20        |
| trans-1,2-Dichloroethene    | 10.0        | 8.859       |                | ug/L |   | 89   | 67 - 123     | 9   | 20        |
| trans-1,3-Dichloropropene   | 10.0        | 9.596       |                | ug/L |   | 96   | 78 - 140     | 1   | 20        |
| tert-Butylbenzene           | 10.0        | 9.458       |                | ug/L |   | 95   | 72 - 128     | 2   | 22        |
| Tetrachloroethene           | 10.0        | 9.757       |                | ug/L |   | 98   | 80 - 128     | 4   | 20        |
| Toluene                     | 10.0        | 9.589       |                | ug/L |   | 96   | 80 - 120     | 4   | 20        |
| Trichloroethene             | 10.0        | 9.514       |                | ug/L |   | 95   | 80 - 123     | 5   | 20        |
| Trichlorofluoromethane      | 10.0        | 9.706       |                | ug/L |   | 97   | 64 - 168     | 5   | 20        |
| Vinyl acetate               | 10.0        | 10.14       |                | ug/L |   | 101  | 75 - 144     | 2   | 25        |
| Vinyl chloride              | 10.0        | 9.929       |                | ug/L |   | 99   | 74 - 130     | 3   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 98             |                | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 101            |                | 71 - 120 |
| Dibromofluoromethane         | 100            |                | 80 - 120 |
| Toluene-d8 (Surr)            | 102            |                | 80 - 120 |

Lab Sample ID: MB 570-158542/8

Matrix: Water

Analysis Batch: 158542

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB Result | MB Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND        |              | 0.50 | 0.26  | ug/L |   |          | 06/21/21 12:53 | 1       |
| 1,1,1-Trichloroethane                 | ND        |              | 0.50 | 0.27  | ug/L |   |          | 06/21/21 12:53 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND        |              | 0.50 | 0.19  | ug/L |   |          | 06/21/21 12:53 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND        |              | 0.50 | 0.25  | ug/L |   |          | 06/21/21 12:53 | 1       |
| 1,1,2-Trichloroethane                 | ND        |              | 0.50 | 0.085 | ug/L |   |          | 06/21/21 12:53 | 1       |
| 1,1-Dichloroethane                    | ND        |              | 0.50 | 0.35  | ug/L |   |          | 06/21/21 12:53 | 1       |
| 1,1-Dichloroethene                    | ND        |              | 0.50 | 0.39  | ug/L |   |          | 06/21/21 12:53 | 1       |
| 1,1-Dichloropropene                   | ND        |              | 0.50 | 0.24  | ug/L |   |          | 06/21/21 12:53 | 1       |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-158542/8

Matrix: Water

Analysis Batch: 158542

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|------|------|------|---|----------|----------------|---------|
| 1,2,3-Trichlorobenzene      | ND        |              | 0.50 | 0.28 | ug/L |   |          | 06/21/21 12:53 | 1       |
| 1,2,3-Trichloropropane      | ND        |              | 0.50 | 0.32 | ug/L |   |          | 06/21/21 12:53 | 1       |
| 1,2,4-Trichlorobenzene      | ND        |              | 0.50 | 0.38 | ug/L |   |          | 06/21/21 12:53 | 1       |
| 1,2,4-Trimethylbenzene      | ND        |              | 0.50 | 0.29 | ug/L |   |          | 06/21/21 12:53 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND        |              | 1.0  | 0.64 | ug/L |   |          | 06/21/21 12:53 | 1       |
| 1,2-Dibromoethane           | ND        |              | 0.50 | 0.14 | ug/L |   |          | 06/21/21 12:53 | 1       |
| 1,2-Dichlorobenzene         | ND        |              | 0.50 | 0.23 | ug/L |   |          | 06/21/21 12:53 | 1       |
| 1,2-Dichloroethane          | ND        |              | 0.50 | 0.15 | ug/L |   |          | 06/21/21 12:53 | 1       |
| 1,2-Dichloropropane         | ND        |              | 0.50 | 0.24 | ug/L |   |          | 06/21/21 12:53 | 1       |
| 1,3,5-Trimethylbenzene      | ND        |              | 0.50 | 0.28 | ug/L |   |          | 06/21/21 12:53 | 1       |
| 1,3-Dichlorobenzene         | ND        |              | 0.50 | 0.26 | ug/L |   |          | 06/21/21 12:53 | 1       |
| 1,3-Dichloropropane         | ND        |              | 0.50 | 0.20 | ug/L |   |          | 06/21/21 12:53 | 1       |
| 1,4-Dichlorobenzene         | ND        |              | 0.50 | 0.22 | ug/L |   |          | 06/21/21 12:53 | 1       |
| 2,2-Dichloropropane         | ND        |              | 0.50 | 0.40 | ug/L |   |          | 06/21/21 12:53 | 1       |
| 2-Butanone                  | ND        |              | 5.0  | 3.0  | ug/L |   |          | 06/21/21 12:53 | 1       |
| 2-Chlorotoluene             | ND        |              | 0.50 | 0.31 | ug/L |   |          | 06/21/21 12:53 | 1       |
| 2-Hexanone                  | ND        |              | 6.0  | 4.3  | ug/L |   |          | 06/21/21 12:53 | 1       |
| 4-Chlorotoluene             | ND        |              | 0.50 | 0.34 | ug/L |   |          | 06/21/21 12:53 | 1       |
| 4-Methyl-2-pentanone        | ND        |              | 5.0  | 2.2  | ug/L |   |          | 06/21/21 12:53 | 1       |
| Acetone                     | ND        |              | 8.0  | 4.0  | ug/L |   |          | 06/21/21 12:53 | 1       |
| Benzene                     | ND        |              | 0.50 | 0.27 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Bromobenzene                | ND        |              | 0.50 | 0.26 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Bromochloromethane          | ND        |              | 1.0  | 0.35 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Bromodichloromethane        | ND        |              | 0.50 | 0.22 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Bromoform                   | ND        |              | 0.50 | 0.39 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Bromomethane                | ND        |              | 1.0  | 0.93 | ug/L |   |          | 06/21/21 12:53 | 1       |
| cis-1,2-Dichloroethene      | ND        |              | 0.50 | 0.30 | ug/L |   |          | 06/21/21 12:53 | 1       |
| cis-1,3-Dichloropropene     | ND        |              | 0.50 | 0.19 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Carbon disulfide            | ND        |              | 1.0  | 0.24 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Carbon tetrachloride        | ND        |              | 0.50 | 0.27 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Chlorobenzene               | ND        |              | 0.50 | 0.24 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Chloroethane                | ND        |              | 0.50 | 0.44 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Chloroform                  | ND        |              | 0.50 | 0.28 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Chloromethane               | ND        |              | 1.0  | 0.29 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Dibromochloromethane        | ND        |              | 0.50 | 0.27 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Dibromomethane              | ND        |              | 0.50 | 0.23 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Dichlorodifluoromethane     | ND        |              | 1.0  | 0.68 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Ethylbenzene                | ND        |              | 0.50 | 0.36 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Isopropylbenzene            | ND        |              | 0.50 | 0.38 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Methylene Chloride          | ND        |              | 1.0  | 0.48 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND        |              | 0.50 | 0.21 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Naphthalene                 | ND        |              | 1.0  | 0.32 | ug/L |   |          | 06/21/21 12:53 | 1       |
| n-Butylbenzene              | ND        |              | 0.50 | 0.29 | ug/L |   |          | 06/21/21 12:53 | 1       |
| N-Propylbenzene             | ND        |              | 0.50 | 0.39 | ug/L |   |          | 06/21/21 12:53 | 1       |
| o-Xylene                    | ND        |              | 0.50 | 0.35 | ug/L |   |          | 06/21/21 12:53 | 1       |
| m,p-Xylene                  | ND        |              | 1.0  | 0.78 | ug/L |   |          | 06/21/21 12:53 | 1       |
| p-Isopropyltoluene          | ND        |              | 0.50 | 0.28 | ug/L |   |          | 06/21/21 12:53 | 1       |
| sec-Butylbenzene            | ND        |              | 0.50 | 0.34 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Styrene                     | ND        |              | 0.50 | 0.28 | ug/L |   |          | 06/21/21 12:53 | 1       |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-158542/8

Matrix: Water

Analysis Batch: 158542

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                   | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|------|------|------|---|----------|----------------|---------|
| trans-1,2-Dichloroethene  | ND        |              | 0.50 | 0.36 | ug/L |   |          | 06/21/21 12:53 | 1       |
| trans-1,3-Dichloropropene | ND        |              | 0.50 | 0.17 | ug/L |   |          | 06/21/21 12:53 | 1       |
| tert-Butylbenzene         | ND        |              | 0.50 | 0.34 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Tetrachloroethene         | ND        |              | 0.50 | 0.29 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Toluene                   | ND        |              | 0.50 | 0.33 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Trichloroethene           | ND        |              | 0.50 | 0.29 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Trichlorofluoromethane    | ND        |              | 0.50 | 0.30 | ug/L |   |          | 06/21/21 12:53 | 1       |
| Vinyl acetate             | ND        |              | 5.0  | 3.1  | ug/L |   |          | 06/21/21 12:53 | 1       |
| Vinyl chloride            | ND        |              | 0.50 | 0.40 | ug/L |   |          | 06/21/21 12:53 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 106          |              | 68 - 135 |          | 06/21/21 12:53 | 1       |
| 4-Bromofluorobenzene (Surr)  | 98           |              | 71 - 120 |          | 06/21/21 12:53 | 1       |
| Dibromofluoromethane         | 106          |              | 80 - 120 |          | 06/21/21 12:53 | 1       |
| Toluene-d8 (Surr)            | 107          |              | 80 - 120 |          | 06/21/21 12:53 | 1       |

Lab Sample ID: LCS 570-158542/4

Matrix: Water

Analysis Batch: 158542

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,1,1,2-Tetrachloroethane             | 10.0        | 9.927      |               | ug/L |   | 99   | 76 - 143     |
| 1,1,1-Trichloroethane                 | 10.0        | 10.04      |               | ug/L |   | 100  | 75 - 128     |
| 1,1,2,2-Tetrachloroethane             | 10.0        | 9.575      |               | ug/L |   | 96   | 73 - 126     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0        | 10.51      |               | ug/L |   | 105  | 50 - 120     |
| 1,1,2-Trichloroethane                 | 10.0        | 9.426      |               | ug/L |   | 94   | 80 - 120     |
| 1,1-Dichloroethane                    | 10.0        | 9.559      |               | ug/L |   | 96   | 76 - 120     |
| 1,1-Dichloroethene                    | 10.0        | 10.37      |               | ug/L |   | 104  | 72 - 120     |
| 1,1-Dichloropropene                   | 10.0        | 9.219      |               | ug/L |   | 92   | 76 - 120     |
| 1,2,3-Trichlorobenzene                | 10.0        | 10.13      |               | ug/L |   | 101  | 80 - 125     |
| 1,2,3-Trichloropropane                | 10.0        | 9.985      |               | ug/L |   | 100  | 66 - 131     |
| 1,2,4-Trichlorobenzene                | 10.0        | 10.19      |               | ug/L |   | 102  | 80 - 123     |
| 1,2,4-Trimethylbenzene                | 10.0        | 9.522      |               | ug/L |   | 95   | 78 - 125     |
| 1,2-Dibromo-3-Chloropropane           | 10.0        | 10.43      |               | ug/L |   | 104  | 77 - 120     |
| 1,2-Dibromoethane                     | 10.0        | 9.282      |               | ug/L |   | 93   | 80 - 120     |
| 1,2-Dichlorobenzene                   | 10.0        | 9.966      |               | ug/L |   | 100  | 79 - 123     |
| 1,2-Dichloroethane                    | 10.0        | 10.15      |               | ug/L |   | 102  | 71 - 137     |
| 1,2-Dichloropropane                   | 10.0        | 9.051      |               | ug/L |   | 91   | 80 - 120     |
| 1,3,5-Trimethylbenzene                | 10.0        | 10.08      |               | ug/L |   | 101  | 77 - 133     |
| 1,3-Dichlorobenzene                   | 10.0        | 9.877      |               | ug/L |   | 99   | 79 - 123     |
| 1,3-Dichloropropane                   | 10.0        | 9.576      |               | ug/L |   | 96   | 80 - 123     |
| 1,4-Dichlorobenzene                   | 10.0        | 9.552      |               | ug/L |   | 96   | 75 - 123     |
| 2,2-Dichloropropane                   | 10.0        | 10.89      |               | ug/L |   | 109  | 78 - 133     |
| 2-Butanone                            | 10.0        | 6.826      |               | ug/L |   | 68   | 32 - 133     |
| 2-Chlorotoluene                       | 10.0        | 9.814      |               | ug/L |   | 98   | 80 - 120     |
| 2-Hexanone                            | 10.0        | 8.798      |               | ug/L |   | 88   | 57 - 127     |
| 4-Chlorotoluene                       | 10.0        | 9.416      |               | ug/L |   | 94   | 78 - 120     |
| 4-Methyl-2-pentanone                  | 10.0        | 8.479      |               | ug/L |   | 85   | 68 - 120     |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-158542/4

Matrix: Water

Analysis Batch: 158542

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|--------------|
| Acetone                     | 10.0        | 9.537      |               | ug/L |   | 95   | 57 - 133     |
| Benzene                     | 10.0        | 9.421      |               | ug/L |   | 94   | 80 - 120     |
| Bromobenzene                | 10.0        | 10.19      |               | ug/L |   | 102  | 80 - 124     |
| Bromochloromethane          | 10.0        | 9.813      |               | ug/L |   | 98   | 76 - 125     |
| Bromodichloromethane        | 10.0        | 10.77      |               | ug/L |   | 108  | 77 - 141     |
| Bromoform                   | 10.0        | 10.62      |               | ug/L |   | 106  | 46 - 178     |
| Bromomethane                | 10.0        | 10.35      |               | ug/L |   | 104  | 52 - 162     |
| cis-1,2-Dichloroethene      | 10.0        | 9.606      |               | ug/L |   | 96   | 76 - 122     |
| cis-1,3-Dichloropropene     | 10.0        | 9.887      |               | ug/L |   | 99   | 80 - 122     |
| Carbon disulfide            | 10.0        | 8.482      |               | ug/L |   | 85   | 66 - 125     |
| Carbon tetrachloride        | 10.0        | 10.60      |               | ug/L |   | 106  | 69 - 145     |
| Chlorobenzene               | 10.0        | 9.367      |               | ug/L |   | 94   | 80 - 120     |
| Chloroethane                | 10.0        | 9.834      |               | ug/L |   | 98   | 73 - 139     |
| Chloroform                  | 10.0        | 10.11      |               | ug/L |   | 101  | 80 - 120     |
| Chloromethane               | 10.0        | 10.81      |               | ug/L |   | 108  | 35 - 159     |
| Dibromochloromethane        | 10.0        | 10.79      |               | ug/L |   | 108  | 63 - 151     |
| Dibromomethane              | 10.0        | 10.22      |               | ug/L |   | 102  | 80 - 121     |
| Dichlorodifluoromethane     | 10.0        | 13.26      |               | ug/L |   | 133  | 59 - 139     |
| Ethylbenzene                | 10.0        | 9.417      |               | ug/L |   | 94   | 80 - 120     |
| Isopropylbenzene            | 10.0        | 9.929      |               | ug/L |   | 99   | 80 - 124     |
| Methylene Chloride          | 10.0        | 9.311      |               | ug/L |   | 93   | 70 - 120     |
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 9.521      |               | ug/L |   | 95   | 72 - 120     |
| Naphthalene                 | 10.0        | 9.522      |               | ug/L |   | 95   | 75 - 120     |
| n-Butylbenzene              | 10.0        | 10.13      |               | ug/L |   | 101  | 76 - 124     |
| N-Propylbenzene             | 10.0        | 9.756      |               | ug/L |   | 98   | 80 - 122     |
| o-Xylene                    | 10.0        | 10.12      |               | ug/L |   | 101  | 80 - 122     |
| m,p-Xylene                  | 20.0        | 19.88      |               | ug/L |   | 99   | 80 - 122     |
| p-Isopropyltoluene          | 10.0        | 9.615      |               | ug/L |   | 96   | 77 - 127     |
| sec-Butylbenzene            | 10.0        | 9.349      |               | ug/L |   | 93   | 75 - 123     |
| Styrene                     | 10.0        | 9.963      |               | ug/L |   | 100  | 80 - 121     |
| trans-1,2-Dichloroethene    | 10.0        | 9.355      |               | ug/L |   | 94   | 67 - 123     |
| trans-1,3-Dichloropropene   | 10.0        | 10.15      |               | ug/L |   | 101  | 78 - 140     |
| tert-Butylbenzene           | 10.0        | 9.326      |               | ug/L |   | 93   | 72 - 128     |
| Tetrachloroethene           | 10.0        | 9.683      |               | ug/L |   | 97   | 80 - 128     |
| Toluene                     | 10.0        | 9.332      |               | ug/L |   | 93   | 80 - 120     |
| Trichloroethene             | 10.0        | 9.694      |               | ug/L |   | 97   | 80 - 123     |
| Trichlorofluoromethane      | 10.0        | 10.64      |               | ug/L |   | 106  | 64 - 168     |
| Vinyl acetate               | 10.0        | 8.932      |               | ug/L |   | 89   | 75 - 144     |
| Vinyl chloride              | 10.0        | 10.31      |               | ug/L |   | 103  | 74 - 130     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 103           |               | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 101           |               | 71 - 120 |
| Dibromofluoromethane         | 101           |               | 80 - 120 |
| Toluene-d8 (Surr)            | 101           |               | 80 - 120 |

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-158542/5

Matrix: Water

Analysis Batch: 158542

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane             | 10.0        | 10.74       |                | ug/L |   | 107  | 76 - 143     | 8   | 20        |
| 1,1,1-Trichloroethane                 | 10.0        | 10.90       |                | ug/L |   | 109  | 75 - 128     | 8   | 20        |
| 1,1,2,2-Tetrachloroethane             | 10.0        | 9.593       |                | ug/L |   | 96   | 73 - 126     | 0   | 21        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0        | 9.737       |                | ug/L |   | 97   | 50 - 120     | 8   | 20        |
| 1,1,2-Trichloroethane                 | 10.0        | 9.638       |                | ug/L |   | 96   | 80 - 120     | 2   | 20        |
| 1,1-Dichloroethane                    | 10.0        | 10.12       |                | ug/L |   | 101  | 76 - 120     | 6   | 20        |
| 1,1-Dichloroethene                    | 10.0        | 9.681       |                | ug/L |   | 97   | 72 - 120     | 7   | 20        |
| 1,1-Dichloropropene                   | 10.0        | 9.850       |                | ug/L |   | 98   | 76 - 120     | 7   | 20        |
| 1,2,3-Trichlorobenzene                | 10.0        | 10.49       |                | ug/L |   | 105  | 80 - 125     | 4   | 22        |
| 1,2,3-Trichloropropane                | 10.0        | 10.29       |                | ug/L |   | 103  | 66 - 131     | 3   | 20        |
| 1,2,4-Trichlorobenzene                | 10.0        | 10.42       |                | ug/L |   | 104  | 80 - 123     | 2   | 20        |
| 1,2,4-Trimethylbenzene                | 10.0        | 9.679       |                | ug/L |   | 97   | 78 - 125     | 2   | 22        |
| 1,2-Dibromo-3-Chloropropane           | 10.0        | 10.04       |                | ug/L |   | 100  | 77 - 120     | 4   | 21        |
| 1,2-Dibromoethane                     | 10.0        | 9.674       |                | ug/L |   | 97   | 80 - 120     | 4   | 20        |
| 1,2-Dichlorobenzene                   | 10.0        | 10.34       |                | ug/L |   | 103  | 79 - 123     | 4   | 20        |
| 1,2-Dichloroethane                    | 10.0        | 10.60       |                | ug/L |   | 106  | 71 - 137     | 4   | 20        |
| 1,2-Dichloropropane                   | 10.0        | 9.742       |                | ug/L |   | 97   | 80 - 120     | 7   | 20        |
| 1,3,5-Trimethylbenzene                | 10.0        | 10.46       |                | ug/L |   | 105  | 77 - 133     | 4   | 20        |
| 1,3-Dichlorobenzene                   | 10.0        | 10.08       |                | ug/L |   | 101  | 79 - 123     | 2   | 20        |
| 1,3-Dichloropropane                   | 10.0        | 9.870       |                | ug/L |   | 99   | 80 - 123     | 3   | 20        |
| 1,4-Dichlorobenzene                   | 10.0        | 10.08       |                | ug/L |   | 101  | 75 - 123     | 5   | 22        |
| 2,2-Dichloropropane                   | 10.0        | 11.57       |                | ug/L |   | 116  | 78 - 133     | 6   | 20        |
| 2-Butanone                            | 10.0        | 7.324       |                | ug/L |   | 73   | 32 - 133     | 7   | 26        |
| 2-Chlorotoluene                       | 10.0        | 10.68       |                | ug/L |   | 107  | 80 - 120     | 8   | 20        |
| 2-Hexanone                            | 10.0        | 7.464       |                | ug/L |   | 75   | 57 - 127     | 16  | 21        |
| 4-Chlorotoluene                       | 10.0        | 9.721       |                | ug/L |   | 97   | 78 - 120     | 3   | 21        |
| 4-Methyl-2-pentanone                  | 10.0        | 9.309       |                | ug/L |   | 93   | 68 - 120     | 9   | 20        |
| Acetone                               | 10.0        | 8.383       |                | ug/L |   | 84   | 57 - 133     | 13  | 28        |
| Benzene                               | 10.0        | 10.10       |                | ug/L |   | 101  | 80 - 120     | 7   | 20        |
| Bromobenzene                          | 10.0        | 10.41       |                | ug/L |   | 104  | 80 - 124     | 2   | 20        |
| Bromochloromethane                    | 10.0        | 9.941       |                | ug/L |   | 99   | 76 - 125     | 1   | 20        |
| Bromodichloromethane                  | 10.0        | 11.52       |                | ug/L |   | 115  | 77 - 141     | 7   | 20        |
| Bromoform                             | 10.0        | 10.64       |                | ug/L |   | 106  | 46 - 178     | 0   | 23        |
| Bromomethane                          | 10.0        | 10.74       |                | ug/L |   | 107  | 52 - 162     | 4   | 20        |
| cis-1,2-Dichloroethene                | 10.0        | 10.26       |                | ug/L |   | 103  | 76 - 122     | 7   | 20        |
| cis-1,3-Dichloropropene               | 10.0        | 10.43       |                | ug/L |   | 104  | 80 - 122     | 5   | 20        |
| Carbon disulfide                      | 10.0        | 8.896       |                | ug/L |   | 89   | 66 - 125     | 5   | 20        |
| Carbon tetrachloride                  | 10.0        | 11.28       |                | ug/L |   | 113  | 69 - 145     | 6   | 20        |
| Chlorobenzene                         | 10.0        | 9.838       |                | ug/L |   | 98   | 80 - 120     | 5   | 20        |
| Chloroethane                          | 10.0        | 10.39       |                | ug/L |   | 104  | 73 - 139     | 6   | 20        |
| Chloroform                            | 10.0        | 10.80       |                | ug/L |   | 108  | 80 - 120     | 7   | 20        |
| Chloromethane                         | 10.0        | 11.25       |                | ug/L |   | 112  | 35 - 159     | 4   | 20        |
| Dibromochloromethane                  | 10.0        | 11.31       |                | ug/L |   | 113  | 63 - 151     | 5   | 20        |
| Dibromomethane                        | 10.0        | 10.59       |                | ug/L |   | 106  | 80 - 121     | 4   | 20        |
| Dichlorodifluoromethane               | 10.0        | 14.17       | *+ me          | ug/L |   | 142  | 59 - 139     | 7   | 20        |
| Ethylbenzene                          | 10.0        | 9.944       |                | ug/L |   | 99   | 80 - 120     | 5   | 20        |
| Isopropylbenzene                      | 10.0        | 10.29       |                | ug/L |   | 103  | 80 - 124     | 4   | 20        |
| Methylene Chloride                    | 10.0        | 9.633       |                | ug/L |   | 96   | 70 - 120     | 3   | 20        |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-158542/5

Matrix: Water

Analysis Batch: 158542

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                     | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 10.40       |                | ug/L |   | 104  | 72 - 120     | 9   | 20        |
| Naphthalene                 | 10.0        | 9.401       |                | ug/L |   | 94   | 75 - 120     | 1   | 22        |
| n-Butylbenzene              | 10.0        | 10.33       |                | ug/L |   | 103  | 76 - 124     | 2   | 23        |
| N-Propylbenzene             | 10.0        | 10.15       |                | ug/L |   | 101  | 80 - 122     | 4   | 20        |
| o-Xylene                    | 10.0        | 10.24       |                | ug/L |   | 102  | 80 - 122     | 1   | 20        |
| m,p-Xylene                  | 20.0        | 20.71       |                | ug/L |   | 104  | 80 - 122     | 4   | 20        |
| p-Isopropyltoluene          | 10.0        | 10.03       |                | ug/L |   | 100  | 77 - 127     | 4   | 21        |
| sec-Butylbenzene            | 10.0        | 9.863       |                | ug/L |   | 99   | 75 - 123     | 5   | 21        |
| Styrene                     | 10.0        | 10.30       |                | ug/L |   | 103  | 80 - 121     | 3   | 20        |
| trans-1,2-Dichloroethene    | 10.0        | 10.02       |                | ug/L |   | 100  | 67 - 123     | 7   | 20        |
| trans-1,3-Dichloropropene   | 10.0        | 10.69       |                | ug/L |   | 107  | 78 - 140     | 5   | 20        |
| tert-Butylbenzene           | 10.0        | 9.802       |                | ug/L |   | 98   | 72 - 128     | 5   | 22        |
| Tetrachloroethene           | 10.0        | 10.33       |                | ug/L |   | 103  | 80 - 128     | 6   | 20        |
| Toluene                     | 10.0        | 9.884       |                | ug/L |   | 99   | 80 - 120     | 6   | 20        |
| Trichloroethene             | 10.0        | 10.95       |                | ug/L |   | 109  | 80 - 123     | 12  | 20        |
| Trichlorofluoromethane      | 10.0        | 11.61       |                | ug/L |   | 116  | 64 - 168     | 9   | 20        |
| Vinyl acetate               | 10.0        | 9.595       |                | ug/L |   | 96   | 75 - 144     | 7   | 25        |
| Vinyl chloride              | 10.0        | 10.78       |                | ug/L |   | 108  | 74 - 130     | 4   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 106            |                | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 102            |                | 71 - 120 |
| Dibromofluoromethane         | 107            |                | 80 - 120 |
| Toluene-d8 (Surr)            | 102            |                | 80 - 120 |

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 570-156649/1-A

Matrix: Water

Analysis Batch: 157202

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 156649

| Analyte          | MB Result    | MB Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|--------------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND           |              | 0.50     | 0.34 | ug/L |   | 06/11/21 07:44 | 06/15/21 05:10 | 1       |
| Isotope Dilution | MB %Recovery | MB Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 39           |              | 15 - 150 |      |      |   | 06/11/21 07:44 | 06/15/21 05:10 | 1       |
| Surrogate        | MB %Recovery | MB Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 111          |              | 46 - 128 |      |      |   | 06/11/21 07:44 | 06/15/21 05:10 | 1       |

Lab Sample ID: LCS 570-156649/2-A

Matrix: Water

Analysis Batch: 157202

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 156649

| Analyte     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------|-------------|------------|---------------|------|---|------|--------------|
| 1,4-Dioxane | 20.0        | 21.46      |               | ug/L |   | 107  | 57 - 136     |

Eurofins Calscience LLC



# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

|                                           |  |               |                  | LCS         | LCS         |                                                 |      |   |      |              |     |           |  |
|-------------------------------------------|--|---------------|------------------|-------------|-------------|-------------------------------------------------|------|---|------|--------------|-----|-----------|--|
| Isotope Dilution                          |  | %Recovery     | Qualifier        | Limits      |             |                                                 |      |   |      |              |     |           |  |
| 1,4-Dioxane-d8                            |  | 44            |                  | 15 - 150    |             |                                                 |      |   |      |              |     |           |  |
|                                           |  |               |                  | LCS         | LCS         |                                                 |      |   |      |              |     |           |  |
| Surrogate                                 |  | %Recovery     | Qualifier        | Limits      |             |                                                 |      |   |      |              |     |           |  |
| Nitrobenzene-d5                           |  | 114           |                  | 46 - 128    |             |                                                 |      |   |      |              |     |           |  |
| <b>Lab Sample ID: LCSD 570-156649/3-A</b> |  |               |                  |             |             | <b>Client Sample ID: Lab Control Sample Dup</b> |      |   |      |              |     |           |  |
| <b>Matrix: Water</b>                      |  |               |                  |             |             | <b>Prep Type: Total/NA</b>                      |      |   |      |              |     |           |  |
| <b>Analysis Batch: 157202</b>             |  |               |                  |             |             | <b>Prep Batch: 156649</b>                       |      |   |      |              |     |           |  |
| Analyte                                   |  |               |                  | Spike Added | LCSD Result | LCSD Qualifier                                  | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |  |
| 1,4-Dioxane                               |  |               |                  | 20.0        | 22.98       |                                                 | ug/L |   | 115  | 57 - 136     | 7   | 20        |  |
|                                           |  | LCSD          | LCSD             |             |             |                                                 |      |   |      |              |     |           |  |
| Isotope Dilution                          |  | %Recovery     | Qualifier        | Limits      |             |                                                 |      |   |      |              |     |           |  |
| 1,4-Dioxane-d8                            |  | 49            |                  | 15 - 150    |             |                                                 |      |   |      |              |     |           |  |
|                                           |  | LCSD          | LCSD             |             |             |                                                 |      |   |      |              |     |           |  |
| Surrogate                                 |  | %Recovery     | Qualifier        | Limits      |             |                                                 |      |   |      |              |     |           |  |
| Nitrobenzene-d5                           |  | 97            |                  | 46 - 128    |             |                                                 |      |   |      |              |     |           |  |
| <b>Lab Sample ID: 570-61385-2 MS</b>      |  |               |                  |             |             | <b>Client Sample ID: LAX-01</b>                 |      |   |      |              |     |           |  |
| <b>Matrix: Water</b>                      |  |               |                  |             |             | <b>Prep Type: Total/NA</b>                      |      |   |      |              |     |           |  |
| <b>Analysis Batch: 157202</b>             |  |               |                  |             |             | <b>Prep Batch: 156649</b>                       |      |   |      |              |     |           |  |
| Analyte                                   |  | Sample Result | Sample Qualifier | Spike Added | MS Result   | MS Qualifier                                    | Unit | D | %Rec | %Rec. Limits |     |           |  |
| 1,4-Dioxane                               |  | ND            |                  | 20.0        | 21.46       |                                                 | ug/L |   | 107  | 45 - 139     |     |           |  |
|                                           |  | MS            | MS               |             |             |                                                 |      |   |      |              |     |           |  |
| Isotope Dilution                          |  | %Recovery     | Qualifier        | Limits      |             |                                                 |      |   |      |              |     |           |  |
| 1,4-Dioxane-d8                            |  | 35            |                  | 15 - 150    |             |                                                 |      |   |      |              |     |           |  |
|                                           |  | MS            | MS               |             |             |                                                 |      |   |      |              |     |           |  |
| Surrogate                                 |  | %Recovery     | Qualifier        | Limits      |             |                                                 |      |   |      |              |     |           |  |
| Nitrobenzene-d5                           |  | 113           |                  | 46 - 128    |             |                                                 |      |   |      |              |     |           |  |
| <b>Lab Sample ID: 570-61385-2 MSD</b>     |  |               |                  |             |             | <b>Client Sample ID: LAX-01</b>                 |      |   |      |              |     |           |  |
| <b>Matrix: Water</b>                      |  |               |                  |             |             | <b>Prep Type: Total/NA</b>                      |      |   |      |              |     |           |  |
| <b>Analysis Batch: 157202</b>             |  |               |                  |             |             | <b>Prep Batch: 156649</b>                       |      |   |      |              |     |           |  |
| Analyte                                   |  | Sample Result | Sample Qualifier | Spike Added | MSD Result  | MSD Qualifier                                   | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |  |
| 1,4-Dioxane                               |  | ND            |                  | 20.0        | 22.33       |                                                 | ug/L |   | 112  | 45 - 139     | 4   | 17        |  |
|                                           |  | MSD           | MSD              |             |             |                                                 |      |   |      |              |     |           |  |
| Isotope Dilution                          |  | %Recovery     | Qualifier        | Limits      |             |                                                 |      |   |      |              |     |           |  |
| 1,4-Dioxane-d8                            |  | 38            |                  | 15 - 150    |             |                                                 |      |   |      |              |     |           |  |
|                                           |  | MSD           | MSD              |             |             |                                                 |      |   |      |              |     |           |  |
| Surrogate                                 |  | %Recovery     | Qualifier        | Limits      |             |                                                 |      |   |      |              |     |           |  |
| Nitrobenzene-d5                           |  | 119           |                  | 46 - 128    |             |                                                 |      |   |      |              |     |           |  |

# Marginal Exceedance (ME) Summary

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LCSD 570-158542/5

Matrix: Water

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike Added | LCSD Result | LCSD Qualifier | Unit | %Rec | %Rec. Limits | ME %Rec. Limits | Marginal Exceedance Status |
|---------------------------------------|-------------|-------------|----------------|------|------|--------------|-----------------|----------------------------|
| 1,1,1,2-Tetrachloroethane             | 10.0        | 10.74       |                | ug/L | 107  | 76 - 143     | 65 - 154        |                            |
| 1,1,1-Trichloroethane                 | 10.0        | 10.90       |                | ug/L | 109  | 75 - 128     | 66 - 137        |                            |
| 1,1,2,2-Tetrachloroethane             | 10.0        | 9.593       |                | ug/L | 96   | 73 - 126     | 64 - 135        |                            |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0        | 9.737       |                | ug/L | 97   | 50 - 120     | 38 - 132        |                            |
| 1,1,2-Trichloroethane                 | 10.0        | 9.638       |                | ug/L | 96   | 80 - 120     | 73 - 127        |                            |
| 1,1-Dichloroethane                    | 10.0        | 10.12       |                | ug/L | 101  | 76 - 120     | 69 - 127        |                            |
| 1,1-Dichloroethene                    | 10.0        | 9.681       |                | ug/L | 97   | 72 - 120     | 64 - 128        |                            |
| 1,1-Dichloropropene                   | 10.0        | 9.850       |                | ug/L | 98   | 76 - 120     | 69 - 127        |                            |
| 1,2,3-Trichlorobenzene                | 10.0        | 10.49       |                | ug/L | 105  | 80 - 125     | 73 - 133        |                            |
| 1,2,3-Trichloropropane                | 10.0        | 10.29       |                | ug/L | 103  | 66 - 131     | 55 - 142        |                            |
| 1,2,4-Trichlorobenzene                | 10.0        | 10.42       |                | ug/L | 104  | 80 - 123     | 73 - 130        |                            |
| 1,2,4-Trimethylbenzene                | 10.0        | 9.679       |                | ug/L | 97   | 78 - 125     | 70 - 133        |                            |
| 1,2-Dibromo-3-Chloropropane           | 10.0        | 10.04       |                | ug/L | 100  | 77 - 120     | 70 - 127        |                            |
| 1,2-Dibromoethane                     | 10.0        | 9.674       |                | ug/L | 97   | 80 - 120     | 73 - 127        |                            |
| 1,2-Dichlorobenzene                   | 10.0        | 10.34       |                | ug/L | 103  | 79 - 123     | 72 - 130        |                            |
| 1,2-Dichloroethane                    | 10.0        | 10.60       |                | ug/L | 106  | 71 - 137     | 60 - 148        |                            |
| 1,2-Dichloropropane                   | 10.0        | 9.742       |                | ug/L | 97   | 80 - 120     | 73 - 127        |                            |
| 1,3,5-Trimethylbenzene                | 10.0        | 10.46       |                | ug/L | 105  | 77 - 133     | 68 - 142        |                            |
| 1,3-Dichlorobenzene                   | 10.0        | 10.08       |                | ug/L | 101  | 79 - 123     | 72 - 130        |                            |
| 1,3-Dichloropropane                   | 10.0        | 9.870       |                | ug/L | 99   | 80 - 123     | 73 - 130        |                            |
| 1,4-Dichlorobenzene                   | 10.0        | 10.08       |                | ug/L | 101  | 75 - 123     | 67 - 131        |                            |
| 2,2-Dichloropropane                   | 10.0        | 11.57       |                | ug/L | 116  | 78 - 133     | 69 - 142        |                            |
| 2-Butanone                            | 10.0        | 7.324       |                | ug/L | 73   | 32 - 133     | 15 - 150        |                            |
| 2-Chlorotoluene                       | 10.0        | 10.68       |                | ug/L | 107  | 80 - 120     | 73 - 127        |                            |
| 2-Hexanone                            | 10.0        | 7.464       |                | ug/L | 75   | 57 - 127     | 45 - 139        |                            |
| 4-Chlorotoluene                       | 10.0        | 9.721       |                | ug/L | 97   | 78 - 120     | 71 - 127        |                            |
| 4-Methyl-2-pentanone                  | 10.0        | 9.309       |                | ug/L | 93   | 68 - 120     | 59 - 129        |                            |
| Acetone                               | 10.0        | 8.383       |                | ug/L | 84   | 57 - 133     | 44 - 146        |                            |
| Benzene                               | 10.0        | 10.10       |                | ug/L | 101  | 80 - 120     | 73 - 127        |                            |
| Bromobenzene                          | 10.0        | 10.41       |                | ug/L | 104  | 80 - 124     | 73 - 131        |                            |
| Bromochloromethane                    | 10.0        | 9.941       |                | ug/L | 99   | 76 - 125     | 68 - 133        |                            |
| Bromodichloromethane                  | 10.0        | 11.52       |                | ug/L | 115  | 77 - 141     | 66 - 152        |                            |
| Bromoform                             | 10.0        | 10.64       |                | ug/L | 106  | 46 - 178     | 24 - 200        |                            |
| Bromomethane                          | 10.0        | 10.74       |                | ug/L | 107  | 52 - 162     | 34 - 180        |                            |
| cis-1,2-Dichloroethene                | 10.0        | 10.26       |                | ug/L | 103  | 76 - 122     | 68 - 130        |                            |
| cis-1,3-Dichloropropene               | 10.0        | 10.43       |                | ug/L | 104  | 80 - 122     | 73 - 129        |                            |
| Carbon disulfide                      | 10.0        | 8.896       |                | ug/L | 89   | 66 - 125     | 56 - 135        |                            |
| Carbon tetrachloride                  | 10.0        | 11.28       |                | ug/L | 113  | 69 - 145     | 56 - 158        |                            |
| Chlorobenzene                         | 10.0        | 9.838       |                | ug/L | 98   | 80 - 120     | 73 - 127        |                            |
| Chloroethane                          | 10.0        | 10.39       |                | ug/L | 104  | 73 - 139     | 62 - 150        |                            |
| Chloroform                            | 10.0        | 10.80       |                | ug/L | 108  | 80 - 120     | 73 - 127        |                            |
| Chloromethane                         | 10.0        | 11.25       |                | ug/L | 112  | 35 - 159     | 14 - 180        |                            |
| Dibromochloromethane                  | 10.0        | 11.31       |                | ug/L | 113  | 63 - 151     | 48 - 166        |                            |
| Dibromomethane                        | 10.0        | 10.59       |                | ug/L | 106  | 80 - 121     | 73 - 128        |                            |
| Dichlorodifluoromethane               | 10.0        | 14.17       | *+ me          | ug/L | 142  | 59 - 139     | 46 - 152        | ME                         |
| Ethylbenzene                          | 10.0        | 9.944       |                | ug/L | 99   | 80 - 120     | 73 - 127        |                            |
| Isopropylbenzene                      | 10.0        | 10.29       |                | ug/L | 103  | 80 - 124     | 73 - 131        |                            |
| Methylene Chloride                    | 10.0        | 9.633       |                | ug/L | 96   | 70 - 120     | 62 - 128        |                            |
| Methyl-t-Butyl Ether (MTBE)           | 10.0        | 10.40       |                | ug/L | 104  | 72 - 120     | 64 - 128        |                            |

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# Marginal Exceedance (ME) Summary

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-158542/5

Matrix: Water

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | %Rec | %Rec. Limits | ME %Rec. Limits | Marginal Exceedance Status |
|---------------------------|-------------|-------------|----------------|------|------|--------------|-----------------|----------------------------|
| Naphthalene               | 10.0        | 9.401       |                | ug/L | 94   | 75 - 120     | 68 - 128        |                            |
| n-Butylbenzene            | 10.0        | 10.33       |                | ug/L | 103  | 76 - 124     | 68 - 132        |                            |
| N-Propylbenzene           | 10.0        | 10.15       |                | ug/L | 101  | 80 - 122     | 73 - 129        |                            |
| o-Xylene                  | 10.0        | 10.24       |                | ug/L | 102  | 80 - 122     | 73 - 129        |                            |
| m,p-Xylene                | 20.0        | 20.71       |                | ug/L | 104  | 80 - 122     | 73 - 129        |                            |
| p-Isopropyltoluene        | 10.0        | 10.03       |                | ug/L | 100  | 77 - 127     | 69 - 135        |                            |
| sec-Butylbenzene          | 10.0        | 9.863       |                | ug/L | 99   | 75 - 123     | 67 - 131        |                            |
| Styrene                   | 10.0        | 10.30       |                | ug/L | 103  | 80 - 121     | 73 - 128        |                            |
| trans-1,2-Dichloroethene  | 10.0        | 10.02       |                | ug/L | 100  | 67 - 123     | 58 - 132        |                            |
| trans-1,3-Dichloropropene | 10.0        | 10.69       |                | ug/L | 107  | 78 - 140     | 68 - 150        |                            |
| tert-Butylbenzene         | 10.0        | 9.802       |                | ug/L | 98   | 72 - 128     | 63 - 137        |                            |
| Tetrachloroethene         | 10.0        | 10.33       |                | ug/L | 103  | 80 - 128     | 72 - 136        |                            |
| Toluene                   | 10.0        | 9.884       |                | ug/L | 99   | 80 - 120     | 73 - 127        |                            |
| Trichloroethene           | 10.0        | 10.95       |                | ug/L | 109  | 80 - 123     | 73 - 130        |                            |
| Trichlorofluoromethane    | 10.0        | 11.61       |                | ug/L | 116  | 64 - 168     | 47 - 185        |                            |
| Vinyl acetate             | 10.0        | 9.595       |                | ug/L | 96   | 75 - 144     | 64 - 156        |                            |
| Vinyl chloride            | 10.0        | 10.78       |                | ug/L | 108  | 74 - 130     | 65 - 139        |                            |

### Summary

| Number of Analytes Reported | Number of Marginal Exceedances Allowed | Number of Marginal Exceedances Found |
|-----------------------------|----------------------------------------|--------------------------------------|
| 66                          | 3                                      | 1                                    |

ME = Marginal Exceedance

# QC Association Summary

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

## GC/MS VOA

### Analysis Batch: 158479

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 570-61385-3       | UAX-01                 | Total/NA  | Water  | 8260B  |            |
| 570-61385-4       | HEW-01                 | Total/NA  | Water  | 8260B  |            |
| 570-61385-5       | HEW-0100               | Total/NA  | Water  | 8260B  |            |
| 570-61385-6       | RB-06092021            | Total/NA  | Water  | 8260B  |            |
| 570-61385-7       | LAX-03                 | Total/NA  | Water  | 8260B  |            |
| 570-61385-8       | HEW-04                 | Total/NA  | Water  | 8260B  |            |
| 570-61385-9       | UAX-03                 | Total/NA  | Water  | 8260B  |            |
| 570-61385-10      | LAX-02                 | Total/NA  | Water  | 8260B  |            |
| MB 570-158479/7   | Method Blank           | Total/NA  | Water  | 8260B  |            |
| LCS 570-158479/3  | Lab Control Sample     | Total/NA  | Water  | 8260B  |            |
| LCSD 570-158479/4 | Lab Control Sample Dup | Total/NA  | Water  | 8260B  |            |

### Analysis Batch: 158542

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 570-61385-1       | TB-06092021            | Total/NA  | Water  | 8260B  |            |
| 570-61385-2       | LAX-01                 | Total/NA  | Water  | 8260B  |            |
| MB 570-158542/8   | Method Blank           | Total/NA  | Water  | 8260B  |            |
| LCS 570-158542/4  | Lab Control Sample     | Total/NA  | Water  | 8260B  |            |
| LCSD 570-158542/5 | Lab Control Sample Dup | Total/NA  | Water  | 8260B  |            |

## GC/MS Semi VOA

### Prep Batch: 156649

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 570-61385-2         | LAX-01                 | Total/NA  | Water  | 3510C  |            |
| 570-61385-3         | UAX-01                 | Total/NA  | Water  | 3510C  |            |
| 570-61385-4         | HEW-01                 | Total/NA  | Water  | 3510C  |            |
| 570-61385-5         | HEW-0100               | Total/NA  | Water  | 3510C  |            |
| 570-61385-7         | LAX-03                 | Total/NA  | Water  | 3510C  |            |
| 570-61385-8         | HEW-04                 | Total/NA  | Water  | 3510C  |            |
| 570-61385-9         | UAX-03                 | Total/NA  | Water  | 3510C  |            |
| 570-61385-10        | LAX-02                 | Total/NA  | Water  | 3510C  |            |
| MB 570-156649/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |
| LCS 570-156649/2-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 570-156649/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |
| 570-61385-2 MS      | LAX-01                 | Total/NA  | Water  | 3510C  |            |
| 570-61385-2 MSD     | LAX-01                 | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 157202

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method       | Prep Batch |
|---------------------|------------------------|-----------|--------|--------------|------------|
| 570-61385-2         | LAX-01                 | Total/NA  | Water  | 8270C SIM ID | 156649     |
| MB 570-156649/1-A   | Method Blank           | Total/NA  | Water  | 8270C SIM ID | 156649     |
| LCS 570-156649/2-A  | Lab Control Sample     | Total/NA  | Water  | 8270C SIM ID | 156649     |
| LCSD 570-156649/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8270C SIM ID | 156649     |
| 570-61385-2 MS      | LAX-01                 | Total/NA  | Water  | 8270C SIM ID | 156649     |
| 570-61385-2 MSD     | LAX-01                 | Total/NA  | Water  | 8270C SIM ID | 156649     |

### Analysis Batch: 157760

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 570-61385-3   | UAX-01           | Total/NA  | Water  | 8270C SIM ID | 156649     |
| 570-61385-4   | HEW-01           | Total/NA  | Water  | 8270C SIM ID | 156649     |

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## QC Association Summary

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

### GC/MS Semi VOA (Continued)

#### Analysis Batch: 157760 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 570-61385-5   | HEW-0100         | Total/NA  | Water  | 8270C SIM ID | 156649     |
| 570-61385-7   | LAX-03           | Total/NA  | Water  | 8270C SIM ID | 156649     |
| 570-61385-8   | HEW-04           | Total/NA  | Water  | 8270C SIM ID | 156649     |
| 570-61385-9   | UAX-03           | Total/NA  | Water  | 8270C SIM ID | 156649     |
| 570-61385-10  | LAX-02           | Total/NA  | Water  | 8270C SIM ID | 156649     |

# Lab Chronicle

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

**Client Sample ID: TB-06092021**

**Lab Sample ID: 570-61385-1**

**Date Collected: 06/09/21 07:30**

**Matrix: Water**

**Date Received: 06/09/21 17:00**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 158542       | 06/21/21 13:44       | OH1     | ECL 2 |
| Instrument ID: GCMSWW |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: LAX-01**

**Lab Sample ID: 570-61385-2**

**Date Collected: 06/09/21 10:15**

**Matrix: Water**

**Date Received: 06/09/21 17:00**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 158542       | 06/21/21 20:10       | OH1     | ECL 2 |
| Instrument ID: GCMSWW  |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 156649       | 06/11/21 07:44       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 157202       | 06/15/21 06:23       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UAX-01**

**Lab Sample ID: 570-61385-3**

**Date Collected: 06/09/21 11:55**

**Matrix: Water**

**Date Received: 06/09/21 17:00**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 158479       | 06/19/21 18:11       | N1A     | ECL 2 |
| Instrument ID: GCMSL   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 156649       | 06/11/21 07:44       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 157760       | 06/17/21 00:25       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: HEW-01**

**Lab Sample ID: 570-61385-4**

**Date Collected: 06/09/21 12:20**

**Matrix: Water**

**Date Received: 06/09/21 17:00**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 20         | 20 mL          | 20 mL        | 158479       | 06/19/21 18:38       | N1A     | ECL 2 |
| Instrument ID: GCMSL   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 156649       | 06/11/21 07:44       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 157760       | 06/17/21 00:40       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: HEW-0100**

**Lab Sample ID: 570-61385-5**

**Date Collected: 06/09/21 13:00**

**Matrix: Water**

**Date Received: 06/09/21 17:00**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 20         | 20 mL          | 20 mL        | 158479       | 06/19/21 19:05       | N1A     | ECL 2 |
| Instrument ID: GCMSL   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 156649       | 06/11/21 07:44       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 157760       | 06/17/21 00:55       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

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# Lab Chronicle

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

**Client Sample ID: RB-06092021**

**Lab Sample ID: 570-61385-6**

**Date Collected: 06/09/21 13:25**

**Matrix: Water**

**Date Received: 06/09/21 17:00**

| Prep Type            | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA             | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 158479       | 06/19/21 19:32       | N1A     | ECL 2 |
| Instrument ID: GCMSL |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: LAX-03**

**Lab Sample ID: 570-61385-7**

**Date Collected: 06/09/21 13:05**

**Matrix: Water**

**Date Received: 06/09/21 17:00**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 158479       | 06/19/21 19:59       | N1A     | ECL 2 |
| Instrument ID: GCMSL   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 156649       | 06/11/21 07:44       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 157760       | 06/17/21 01:10       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: HEW-04**

**Lab Sample ID: 570-61385-8**

**Date Collected: 06/09/21 14:50**

**Matrix: Water**

**Date Received: 06/09/21 17:00**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 4          | 20 mL          | 20 mL        | 158479       | 06/19/21 20:26       | N1A     | ECL 2 |
| Instrument ID: GCMSL   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 156649       | 06/11/21 07:44       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 157760       | 06/17/21 01:24       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UAX-03**

**Lab Sample ID: 570-61385-9**

**Date Collected: 06/09/21 15:25**

**Matrix: Water**

**Date Received: 06/09/21 17:00**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 158479       | 06/19/21 20:53       | N1A     | ECL 2 |
| Instrument ID: GCMSL   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 156649       | 06/11/21 07:44       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 157760       | 06/17/21 01:39       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: LAX-02**

**Lab Sample ID: 570-61385-10**

**Date Collected: 06/09/21 14:25**

**Matrix: Water**

**Date Received: 06/09/21 17:00**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 158479       | 06/19/21 21:20       | N1A     | ECL 2 |
| Instrument ID: GCMSL   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 156649       | 06/11/21 07:44       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 157760       | 06/17/21 01:54       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

Eurofins Calscience LLC

# Lab Chronicle

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

**Laboratory References:**

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494  
ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

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Accreditation/Certification Summary

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

Laboratory: Eurofins Calscience LLC

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Oregon    | NELAP   | CA300001              | 01-30-22        |

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## Method Summary

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

| Method       | Method Description                                            | Protocol | Laboratory |
|--------------|---------------------------------------------------------------|----------|------------|
| 8260B        | Volatile Organic Compounds (GC/MS)                            | SW846    | ECL 2      |
| 8270C SIM ID | Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) | SW846    | ECL 1      |
| 3510C        | Liquid-Liquid Extraction (Separatory Funnel)                  | SW846    | ECL 1      |
| 5030C        | Purge and Trap                                                | SW846    | ECL 2      |

### Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

# Sample Summary

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61385-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 570-61385-1   | TB-06092021      | Water  | 06/09/21 07:30 | 06/09/21 17:00 |          |
| 570-61385-2   | LAX-01           | Water  | 06/09/21 10:15 | 06/09/21 17:00 |          |
| 570-61385-3   | UAX-01           | Water  | 06/09/21 11:55 | 06/09/21 17:00 |          |
| 570-61385-4   | HEW-01           | Water  | 06/09/21 12:20 | 06/09/21 17:00 |          |
| 570-61385-5   | HEW-0100         | Water  | 06/09/21 13:00 | 06/09/21 17:00 |          |
| 570-61385-6   | RB-06092021      | Water  | 06/09/21 13:25 | 06/09/21 17:00 |          |
| 570-61385-7   | LAX-03           | Water  | 06/09/21 13:05 | 06/09/21 17:00 |          |
| 570-61385-8   | HEW-04           | Water  | 06/09/21 14:50 | 06/09/21 17:00 |          |
| 570-61385-9   | UAX-03           | Water  | 06/09/21 15:25 | 06/09/21 17:00 |          |
| 570-61385-10  | LAX-02           | Water  | 06/09/21 14:25 | 06/09/21 17:00 |          |



PROJECT Building 684 - Raytheon  
TASK NO 764 10

Project Manager Steve Netto

QA Manager Andrew Donnelly

Phone 858-455-6500

| Project | Sampled By |
|---------|------------|
|---------|------------|

| Project<br>BCI Fullerton<br>764 10 | LAB ID | SAMPLE ID     | SAMPLE COLLECTION |            |
|------------------------------------|--------|---------------|-------------------|------------|
|                                    |        |               | Date              | Time       |
|                                    | 1      | TB-06092021   | 06 09 21          | 0730       |
|                                    | 2      | LAX-01<br>↓   |                   | 1013<br>↓  |
|                                    | 3      | JAX-01<br>↓   |                   | 1155<br>↓  |
|                                    | 4      | HEW-01<br>↓   |                   | 1220<br>↓  |
|                                    | 5      | HEW-0100<br>↓ |                   | 1300<br>↓  |
|                                    | 6      | RB-06092021   |                   | 1305       |
|                                    | 7      | LAX-03<br>↓   |                   | 1305<br>↓  |
|                                    | 8      | HEW-04<br>↓   |                   | 14150<br>↓ |
|                                    | 9      | JAX-03<br>↓   |                   | 1525<br>↓  |
|                                    | 0      | LAX-02<br>↓   |                   | 1425<br>↓  |

[illegible]

Total number of containers per analysis

Comments Report "J" Flags

Geotracker ID T0605900143 Log Code HARG

Field Point ID = QCTB for Trip Blanks ( TB- ) QCRB for Equipment Rinsate Blanks (RB- ) all other samples Field Point ID = Sample ID

| Relinquished By / Company | Date / Time      | Received By / Company | Date / Time    |
|---------------------------|------------------|-----------------------|----------------|
| Stadler / H+H             | 06.09.21 / 16:07 | <i>[Signature]</i>    | 6/9/2021       |
| Relinquished By / Company | Date / Time      | Received By / Company | Date / Time    |
| <i>[Signature]</i>        | 6/12/2021        | M. Lank               | 6/9/21 / 17:00 |

|                            |  |
|----------------------------|--|
| No of containers correct   |  |
| Received in good condition |  |
| Custody seals secure       |  |
| Conforms to COC document   |  |

Send Results to  
Steve Netto

9171 Towne Centre Dr  
Suite 375

San Diego CA 92122

Ph 858-455-6500  
snetto@hargis.com

Temperature on receipt

$$\begin{array}{r} 28 \overline{) 255} \\ 56 \\ \hline \end{array}$$


570-61385 Chain of Custody

## Login Sample Receipt Checklist

Client: Hargis + Associates, Inc.

Job Number: 570-61385-1

**Login Number: 61385**

**List Source: Eurofins Calscience LLC**

**List Number: 1**

**Creator: Patel, Jayesh**

| Question                                                                                      | Answer | Comment |
|-----------------------------------------------------------------------------------------------|--------|---------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.           | 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 $<6\text{mm}$ ( $1/4''$ ). | True   |         |
| Multiphasic samples are not present.                                                          | True   |         |
| Samples do not require splitting or compositing.                                              | True   |         |
| Residual Chlorine Checked.                                                                    | N/A    |         |

## ANALYTICAL REPORT

Eurofins Calscience LLC  
7440 Lincoln Way  
Garden Grove, CA 92841  
Tel: (714)895-5494

Laboratory Job ID: 570-61641-1

Client Project/Site: Bldg 684 Raytheon / 764.10

**For:**

Hargis + Associates, Inc.  
La Jolla Gateway  
9171 Towne Centre Drive  
Suite 375  
San Diego, California 92122

Attn: Steve Netto

*Virendra R Patel*

Authorized for release by:  
6/24/2021 12:31:34 PM

Virendra Patel, Project Manager I  
(714)895-5494

[Virendra.Patel@eurofinset.com](mailto:Virendra.Patel@eurofinset.com)

### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Definitions/Glossary

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Qualifiers

### GC/MS VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| *+        | LCS and/or LCSD is outside acceptance limits, high biased.                                                     |
| *1        | LCS/LCSD RPD exceeds control limits.                                                                           |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| me        | LCS Recovery is within Marginal Exceedance (ME) control limit range ( $\pm 4$ SD from the mean).               |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| $\alpha$       | 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                                                                                       |



# Case Narrative

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

**Job ID: 570-61641-1**

**Laboratory: Eurofins Calscience LLC**

## Narrative

### Job Narrative 570-61641-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 6/11/2021 7:10 PM. 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 was 2.8° C.

#### GC/MS VOA

Method 8260B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 570-159313 recovered outside control limits for the following analytes: 2-Methyl-2-propanol and Ethanol.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-159313.

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

#### GC/MS Semi VOA

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

#### Organic Prep

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

#### VOA Prep

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

# Detection Summary

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Client Sample ID: TB-06102021

Lab Sample ID: 570-61641-1

No Detections.

## Client Sample ID: HEW-05

Lab Sample ID: 570-61641-2

| Analyte                | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method       | Prep Type |
|------------------------|--------|-----------|------|------|------|---------|---|--------------|-----------|
| 1,1-Dichloroethene     | 0.92   | J         | 1.0  | 0.78 | ug/L | 2       |   | 8260B        | Total/NA  |
| cis-1,2-Dichloroethene | 3.9    |           | 1.0  | 0.60 | ug/L | 2       |   | 8260B        | Total/NA  |
| Trichloroethene        | 56     |           | 1.0  | 0.58 | ug/L | 2       |   | 8260B        | Total/NA  |
| 1,4-Dioxane            | 1.4    |           | 0.50 | 0.34 | ug/L | 1       |   | 8270C SIM ID | Total/NA  |

## Client Sample ID: HEW-03

Lab Sample ID: 570-61641-3

| Analyte           | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method       | Prep Type |
|-------------------|--------|-----------|------|------|------|---------|---|--------------|-----------|
| Tetrachloroethene | 2.4    |           | 2.0  | 1.2  | ug/L | 4       |   | 8260B        | Total/NA  |
| Trichloroethene   | 120    |           | 2.0  | 1.2  | ug/L | 4       |   | 8260B        | Total/NA  |
| 1,4-Dioxane       | 1.4    |           | 0.50 | 0.34 | ug/L | 1       |   | 8270C SIM ID | Total/NA  |

## Client Sample ID: HEW-02

Lab Sample ID: 570-61641-4

| Analyte          | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method       | Prep Type |
|------------------|--------|-----------|------|------|------|---------|---|--------------|-----------|
| Trichloroethene  | 120    |           | 2.0  | 1.2  | ug/L | 4       |   | 8260B        | Total/NA  |
| 1,4-Dioxane - RA | 0.57   |           | 0.50 | 0.34 | ug/L | 1       |   | 8270C SIM ID | Total/NA  |

## Client Sample ID: UAX-02

Lab Sample ID: 570-61641-5

| Analyte            | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method       | Prep Type |
|--------------------|--------|-----------|------|------|------|---------|---|--------------|-----------|
| 1,1-Dichloroethene | 3.1    |           | 0.50 | 0.39 | ug/L | 1       |   | 8260B        | Total/NA  |
| Trichloroethene    | 4.6    |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B        | Total/NA  |
| 1,4-Dioxane        | 1.5    |           | 0.50 | 0.34 | ug/L | 1       |   | 8270C SIM ID | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: TB-06102021

Date Collected: 06/10/21 08:00

Date Received: 06/11/21 19:10

Lab Sample ID: 570-61641-1

Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 06/22/21 13:09 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/22/21 13:09 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 06/22/21 13:09 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 06/22/21 13:09 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 06/22/21 13:09 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 06/22/21 13:09 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 06/22/21 13:09 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 06/22/21 13:09 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 06/22/21 13:09 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 06/22/21 13:09 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 06/22/21 13:09 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 06/22/21 13:09 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 06/22/21 13:09 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 06/22/21 13:09 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 06/22/21 13:09 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 06/22/21 13:09 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 06/22/21 13:09 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 06/22/21 13:09 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 06/22/21 13:09 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 06/22/21 13:09 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 06/22/21 13:09 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 06/22/21 13:09 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 06/22/21 13:09 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 06/22/21 13:09 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 06/22/21 13:09 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 06/22/21 13:09 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 06/22/21 13:09 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 06/22/21 13:09 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/22/21 13:09 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 06/22/21 13:09 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 06/22/21 13:09 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 06/22/21 13:09 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 06/22/21 13:09 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 06/22/21 13:09 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 06/22/21 13:09 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 06/22/21 13:09 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 06/22/21 13:09 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/22/21 13:09 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 06/22/21 13:09 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 06/22/21 13:09 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 06/22/21 13:09 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 06/22/21 13:09 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/22/21 13:09 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 06/22/21 13:09 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 06/22/21 13:09 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 06/22/21 13:09 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 06/22/21 13:09 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 06/22/21 13:09 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 06/22/21 13:09 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: TB-06102021

Date Collected: 06/10/21 08:00

Date Received: 06/11/21 19:10

Lab Sample ID: 570-61641-1

Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 06/22/21 13:09 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 06/22/21 13:09 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 06/22/21 13:09 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 06/22/21 13:09 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 06/22/21 13:09 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 06/22/21 13:09 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 06/22/21 13:09 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 06/22/21 13:09 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 06/22/21 13:09 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 06/22/21 13:09 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 06/22/21 13:09 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 06/22/21 13:09 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 06/22/21 13:09 | 1       |
| Trichloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 06/22/21 13:09 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 06/22/21 13:09 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 06/22/21 13:09 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.40 | ug/L |   |          | 06/22/21 13:09 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 68 - 135 |          | 06/22/21 13:09 | 1       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 71 - 120 |          | 06/22/21 13:09 | 1       |
| Dibromofluoromethane         | 103       |           | 80 - 120 |          | 06/22/21 13:09 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 120 |          | 06/22/21 13:09 | 1       |

Client Sample ID: HEW-05

Date Collected: 06/10/21 08:25

Date Received: 06/11/21 19:10

Lab Sample ID: 570-61641-2

Matrix: Water

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.0 | 0.51 | ug/L |   |          | 06/24/21 03:18 | 2       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.0 | 0.53 | ug/L |   |          | 06/24/21 03:18 | 2       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.0 | 0.39 | ug/L |   |          | 06/24/21 03:18 | 2       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.0 | 0.50 | ug/L |   |          | 06/24/21 03:18 | 2       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | 0.17 | ug/L |   |          | 06/24/21 03:18 | 2       |
| 1,1-Dichloroethane                    | ND     |           | 1.0 | 0.71 | ug/L |   |          | 06/24/21 03:18 | 2       |
| 1,1-Dichloroethene                    | 0.92   | J         | 1.0 | 0.78 | ug/L |   |          | 06/24/21 03:18 | 2       |
| 1,1-Dichloropropene                   | ND     |           | 1.0 | 0.48 | ug/L |   |          | 06/24/21 03:18 | 2       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.0 | 0.55 | ug/L |   |          | 06/24/21 03:18 | 2       |
| 1,2,3-Trichloropropane                | ND     |           | 1.0 | 0.64 | ug/L |   |          | 06/24/21 03:18 | 2       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.0 | 0.75 | ug/L |   |          | 06/24/21 03:18 | 2       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.0 | 0.57 | ug/L |   |          | 06/24/21 03:18 | 2       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 2.0 | 1.3  | ug/L |   |          | 06/24/21 03:18 | 2       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | 0.27 | ug/L |   |          | 06/24/21 03:18 | 2       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | 0.46 | ug/L |   |          | 06/24/21 03:18 | 2       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | 0.30 | ug/L |   |          | 06/24/21 03:18 | 2       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | 0.48 | ug/L |   |          | 06/24/21 03:18 | 2       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.0 | 0.57 | ug/L |   |          | 06/24/21 03:18 | 2       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | 0.51 | ug/L |   |          | 06/24/21 03:18 | 2       |
| 1,3-Dichloropropane                   | ND     |           | 1.0 | 0.41 | ug/L |   |          | 06/24/21 03:18 | 2       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | 0.45 | ug/L |   |          | 06/24/21 03:18 | 2       |
| 2,2-Dichloropropane                   | ND     |           | 1.0 | 0.79 | ug/L |   |          | 06/24/21 03:18 | 2       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HEW-05  
Date Collected: 06/10/21 08:25  
Date Received: 06/11/21 19:10

Lab Sample ID: 570-61641-2  
Matrix: Water

| Analyte                     | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     | *+ *1     | 10  | 6.1  | ug/L |   |          | 06/24/21 03:18 | 2       |
| 2-Chlorotoluene             | ND     |           | 1.0 | 0.62 | ug/L |   |          | 06/24/21 03:18 | 2       |
| 2-Hexanone                  | ND     | *1        | 12  | 8.6  | ug/L |   |          | 06/24/21 03:18 | 2       |
| 4-Chlorotoluene             | ND     |           | 1.0 | 0.67 | ug/L |   |          | 06/24/21 03:18 | 2       |
| 4-Methyl-2-pentanone        | ND     | *1        | 10  | 4.5  | ug/L |   |          | 06/24/21 03:18 | 2       |
| Acetone                     | ND     |           | 16  | 8.0  | ug/L |   |          | 06/24/21 03:18 | 2       |
| Benzene                     | ND     |           | 1.0 | 0.53 | ug/L |   |          | 06/24/21 03:18 | 2       |
| Bromobenzene                | ND     |           | 1.0 | 0.52 | ug/L |   |          | 06/24/21 03:18 | 2       |
| Bromochloromethane          | ND     |           | 2.0 | 0.70 | ug/L |   |          | 06/24/21 03:18 | 2       |
| Bromodichloromethane        | ND     |           | 1.0 | 0.45 | ug/L |   |          | 06/24/21 03:18 | 2       |
| Bromoform                   | ND     |           | 1.0 | 0.78 | ug/L |   |          | 06/24/21 03:18 | 2       |
| Bromomethane                | ND     |           | 2.0 | 1.9  | ug/L |   |          | 06/24/21 03:18 | 2       |
| cis-1,2-Dichloroethene      | 3.9    |           | 1.0 | 0.60 | ug/L |   |          | 06/24/21 03:18 | 2       |
| cis-1,3-Dichloropropene     | ND     |           | 1.0 | 0.38 | ug/L |   |          | 06/24/21 03:18 | 2       |
| Carbon disulfide            | ND     |           | 2.0 | 0.49 | ug/L |   |          | 06/24/21 03:18 | 2       |
| Carbon tetrachloride        | ND     |           | 1.0 | 0.54 | ug/L |   |          | 06/24/21 03:18 | 2       |
| Chlorobenzene               | ND     |           | 1.0 | 0.48 | ug/L |   |          | 06/24/21 03:18 | 2       |
| Chloroethane                | ND     |           | 1.0 | 0.88 | ug/L |   |          | 06/24/21 03:18 | 2       |
| Chloroform                  | ND     |           | 1.0 | 0.57 | ug/L |   |          | 06/24/21 03:18 | 2       |
| Chloromethane               | ND     |           | 2.0 | 0.59 | ug/L |   |          | 06/24/21 03:18 | 2       |
| Dibromochloromethane        | ND     |           | 1.0 | 0.54 | ug/L |   |          | 06/24/21 03:18 | 2       |
| Dibromomethane              | ND     |           | 1.0 | 0.46 | ug/L |   |          | 06/24/21 03:18 | 2       |
| Dichlorodifluoromethane     | ND     |           | 2.0 | 1.4  | ug/L |   |          | 06/24/21 03:18 | 2       |
| Ethylbenzene                | ND     |           | 1.0 | 0.71 | ug/L |   |          | 06/24/21 03:18 | 2       |
| Isopropylbenzene            | ND     |           | 1.0 | 0.77 | ug/L |   |          | 06/24/21 03:18 | 2       |
| Methylene Chloride          | ND     |           | 2.0 | 0.96 | ug/L |   |          | 06/24/21 03:18 | 2       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 1.0 | 0.41 | ug/L |   |          | 06/24/21 03:18 | 2       |
| Naphthalene                 | ND     |           | 2.0 | 0.64 | ug/L |   |          | 06/24/21 03:18 | 2       |
| n-Butylbenzene              | ND     |           | 1.0 | 0.59 | ug/L |   |          | 06/24/21 03:18 | 2       |
| N-Propylbenzene             | ND     |           | 1.0 | 0.78 | ug/L |   |          | 06/24/21 03:18 | 2       |
| o-Xylene                    | ND     |           | 1.0 | 0.70 | ug/L |   |          | 06/24/21 03:18 | 2       |
| m,p-Xylene                  | ND     |           | 2.0 | 1.6  | ug/L |   |          | 06/24/21 03:18 | 2       |
| p-Isopropyltoluene          | ND     |           | 1.0 | 0.55 | ug/L |   |          | 06/24/21 03:18 | 2       |
| sec-Butylbenzene            | ND     |           | 1.0 | 0.68 | ug/L |   |          | 06/24/21 03:18 | 2       |
| Styrene                     | ND     |           | 1.0 | 0.55 | ug/L |   |          | 06/24/21 03:18 | 2       |
| trans-1,2-Dichloroethene    | ND     |           | 1.0 | 0.72 | ug/L |   |          | 06/24/21 03:18 | 2       |
| trans-1,3-Dichloropropene   | ND     |           | 1.0 | 0.35 | ug/L |   |          | 06/24/21 03:18 | 2       |
| tert-Butylbenzene           | ND     |           | 1.0 | 0.68 | ug/L |   |          | 06/24/21 03:18 | 2       |
| Tetrachloroethene           | ND     |           | 1.0 | 0.58 | ug/L |   |          | 06/24/21 03:18 | 2       |
| Toluene                     | ND     |           | 1.0 | 0.66 | ug/L |   |          | 06/24/21 03:18 | 2       |
| Trichloroethene             | 56     |           | 1.0 | 0.58 | ug/L |   |          | 06/24/21 03:18 | 2       |
| Trichlorofluoromethane      | ND     |           | 1.0 | 0.59 | ug/L |   |          | 06/24/21 03:18 | 2       |
| Vinyl acetate               | ND     |           | 10  | 6.3  | ug/L |   |          | 06/24/21 03:18 | 2       |
| Vinyl chloride              | ND     |           | 1.0 | 0.80 | ug/L |   |          | 06/24/21 03:18 | 2       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 97        |           | 68 - 135 |          | 06/24/21 03:18 | 2       |
| 4-Bromofluorobenzene (Surr)  | 101       |           | 71 - 120 |          | 06/24/21 03:18 | 2       |
| Dibromofluoromethane         | 97        |           | 80 - 120 |          | 06/24/21 03:18 | 2       |
| Toluene-d8 (Surr)            | 97        |           | 80 - 120 |          | 06/24/21 03:18 | 2       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: HEW-03  
Date Collected: 06/10/21 08:45  
Date Received: 06/11/21 19:10

Lab Sample ID: 570-61641-3  
Matrix: Water

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 2.0 | 1.0  | ug/L |   |          | 06/22/21 14:30 | 4       |
| 1,1,1-Trichloroethane                 | ND     |           | 2.0 | 1.1  | ug/L |   |          | 06/22/21 14:30 | 4       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 2.0 | 0.78 | ug/L |   |          | 06/22/21 14:30 | 4       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 2.0 | 1.0  | ug/L |   |          | 06/22/21 14:30 | 4       |
| 1,1,2-Trichloroethane                 | ND     |           | 2.0 | 0.34 | ug/L |   |          | 06/22/21 14:30 | 4       |
| 1,1-Dichloroethane                    | ND     |           | 2.0 | 1.4  | ug/L |   |          | 06/22/21 14:30 | 4       |
| 1,1-Dichloroethene                    | ND     |           | 2.0 | 1.6  | ug/L |   |          | 06/22/21 14:30 | 4       |
| 1,1-Dichloropropene                   | ND     |           | 2.0 | 0.97 | ug/L |   |          | 06/22/21 14:30 | 4       |
| 1,2,3-Trichlorobenzene                | ND     |           | 2.0 | 1.1  | ug/L |   |          | 06/22/21 14:30 | 4       |
| 1,2,3-Trichloropropane                | ND     |           | 2.0 | 1.3  | ug/L |   |          | 06/22/21 14:30 | 4       |
| 1,2,4-Trichlorobenzene                | ND     |           | 2.0 | 1.5  | ug/L |   |          | 06/22/21 14:30 | 4       |
| 1,2,4-Trimethylbenzene                | ND     |           | 2.0 | 1.1  | ug/L |   |          | 06/22/21 14:30 | 4       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 4.0 | 2.6  | ug/L |   |          | 06/22/21 14:30 | 4       |
| 1,2-Dibromoethane                     | ND     |           | 2.0 | 0.55 | ug/L |   |          | 06/22/21 14:30 | 4       |
| 1,2-Dichlorobenzene                   | ND     |           | 2.0 | 0.92 | ug/L |   |          | 06/22/21 14:30 | 4       |
| 1,2-Dichloroethane                    | ND     |           | 2.0 | 0.60 | ug/L |   |          | 06/22/21 14:30 | 4       |
| 1,2-Dichloropropane                   | ND     |           | 2.0 | 0.96 | ug/L |   |          | 06/22/21 14:30 | 4       |
| 1,3,5-Trimethylbenzene                | ND     |           | 2.0 | 1.1  | ug/L |   |          | 06/22/21 14:30 | 4       |
| 1,3-Dichlorobenzene                   | ND     |           | 2.0 | 1.0  | ug/L |   |          | 06/22/21 14:30 | 4       |
| 1,3-Dichloropropane                   | ND     |           | 2.0 | 0.82 | ug/L |   |          | 06/22/21 14:30 | 4       |
| 1,4-Dichlorobenzene                   | ND     |           | 2.0 | 0.90 | ug/L |   |          | 06/22/21 14:30 | 4       |
| 2,2-Dichloropropane                   | ND     |           | 2.0 | 1.6  | ug/L |   |          | 06/22/21 14:30 | 4       |
| 2-Butanone                            | ND     |           | 20  | 12   | ug/L |   |          | 06/22/21 14:30 | 4       |
| 2-Chlorotoluene                       | ND     |           | 2.0 | 1.2  | ug/L |   |          | 06/22/21 14:30 | 4       |
| 2-Hexanone                            | ND     |           | 24  | 17   | ug/L |   |          | 06/22/21 14:30 | 4       |
| 4-Chlorotoluene                       | ND     |           | 2.0 | 1.3  | ug/L |   |          | 06/22/21 14:30 | 4       |
| 4-Methyl-2-pentanone                  | ND     |           | 20  | 9.0  | ug/L |   |          | 06/22/21 14:30 | 4       |
| Acetone                               | ND     |           | 32  | 16   | ug/L |   |          | 06/22/21 14:30 | 4       |
| Benzene                               | ND     |           | 2.0 | 1.1  | ug/L |   |          | 06/22/21 14:30 | 4       |
| Bromobenzene                          | ND     |           | 2.0 | 1.0  | ug/L |   |          | 06/22/21 14:30 | 4       |
| Bromochloromethane                    | ND     |           | 4.0 | 1.4  | ug/L |   |          | 06/22/21 14:30 | 4       |
| Bromodichloromethane                  | ND     |           | 2.0 | 0.89 | ug/L |   |          | 06/22/21 14:30 | 4       |
| Bromoform                             | ND     |           | 2.0 | 1.6  | ug/L |   |          | 06/22/21 14:30 | 4       |
| Bromomethane                          | ND     |           | 4.0 | 3.7  | ug/L |   |          | 06/22/21 14:30 | 4       |
| cis-1,2-Dichloroethene                | ND     |           | 2.0 | 1.2  | ug/L |   |          | 06/22/21 14:30 | 4       |
| cis-1,3-Dichloropropene               | ND     |           | 2.0 | 0.77 | ug/L |   |          | 06/22/21 14:30 | 4       |
| Carbon disulfide                      | ND     |           | 4.0 | 0.98 | ug/L |   |          | 06/22/21 14:30 | 4       |
| Carbon tetrachloride                  | ND     |           | 2.0 | 1.1  | ug/L |   |          | 06/22/21 14:30 | 4       |
| Chlorobenzene                         | ND     |           | 2.0 | 0.95 | ug/L |   |          | 06/22/21 14:30 | 4       |
| Chloroethane                          | ND     |           | 2.0 | 1.8  | ug/L |   |          | 06/22/21 14:30 | 4       |
| Chloroform                            | ND     |           | 2.0 | 1.1  | ug/L |   |          | 06/22/21 14:30 | 4       |
| Chloromethane                         | ND     |           | 4.0 | 1.2  | ug/L |   |          | 06/22/21 14:30 | 4       |
| Dibromochloromethane                  | ND     |           | 2.0 | 1.1  | ug/L |   |          | 06/22/21 14:30 | 4       |
| Dibromomethane                        | ND     |           | 2.0 | 0.92 | ug/L |   |          | 06/22/21 14:30 | 4       |
| Dichlorodifluoromethane               | ND     |           | 4.0 | 2.7  | ug/L |   |          | 06/22/21 14:30 | 4       |
| Ethylbenzene                          | ND     |           | 2.0 | 1.4  | ug/L |   |          | 06/22/21 14:30 | 4       |
| Isopropylbenzene                      | ND     |           | 2.0 | 1.5  | ug/L |   |          | 06/22/21 14:30 | 4       |
| Methylene Chloride                    | ND     |           | 4.0 | 1.9  | ug/L |   |          | 06/22/21 14:30 | 4       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 2.0 | 0.82 | ug/L |   |          | 06/22/21 14:30 | 4       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HEW-03  
Date Collected: 06/10/21 08:45  
Date Received: 06/11/21 19:10

Lab Sample ID: 570-61641-3  
Matrix: Water

| Analyte                   | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 4.0 | 1.3  | ug/L |   |          | 06/22/21 14:30 | 4       |
| n-Butylbenzene            | ND     |           | 2.0 | 1.2  | ug/L |   |          | 06/22/21 14:30 | 4       |
| N-Propylbenzene           | ND     |           | 2.0 | 1.6  | ug/L |   |          | 06/22/21 14:30 | 4       |
| o-Xylene                  | ND     |           | 2.0 | 1.4  | ug/L |   |          | 06/22/21 14:30 | 4       |
| m,p-Xylene                | ND     |           | 4.0 | 3.1  | ug/L |   |          | 06/22/21 14:30 | 4       |
| p-Isopropyltoluene        | ND     |           | 2.0 | 1.1  | ug/L |   |          | 06/22/21 14:30 | 4       |
| sec-Butylbenzene          | ND     |           | 2.0 | 1.4  | ug/L |   |          | 06/22/21 14:30 | 4       |
| Styrene                   | ND     |           | 2.0 | 1.1  | ug/L |   |          | 06/22/21 14:30 | 4       |
| trans-1,2-Dichloroethene  | ND     |           | 2.0 | 1.4  | ug/L |   |          | 06/22/21 14:30 | 4       |
| trans-1,3-Dichloropropene | ND     |           | 2.0 | 0.69 | ug/L |   |          | 06/22/21 14:30 | 4       |
| tert-Butylbenzene         | ND     |           | 2.0 | 1.4  | ug/L |   |          | 06/22/21 14:30 | 4       |
| Tetrachloroethene         | 2.4    |           | 2.0 | 1.2  | ug/L |   |          | 06/22/21 14:30 | 4       |
| Toluene                   | ND     |           | 2.0 | 1.3  | ug/L |   |          | 06/22/21 14:30 | 4       |
| Trichloroethene           | 120    |           | 2.0 | 1.2  | ug/L |   |          | 06/22/21 14:30 | 4       |
| Trichlorofluoromethane    | ND     |           | 2.0 | 1.2  | ug/L |   |          | 06/22/21 14:30 | 4       |
| Vinyl acetate             | ND     |           | 20  | 13   | ug/L |   |          | 06/22/21 14:30 | 4       |
| Vinyl chloride            | ND     |           | 2.0 | 1.6  | ug/L |   |          | 06/22/21 14:30 | 4       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 68 - 135 |          | 06/22/21 14:30 | 4       |
| 4-Bromofluorobenzene (Surr)  | 89        |           | 71 - 120 |          | 06/22/21 14:30 | 4       |
| Dibromofluoromethane         | 105       |           | 80 - 120 |          | 06/22/21 14:30 | 4       |
| Toluene-d8 (Surr)            | 104       |           | 80 - 120 |          | 06/22/21 14:30 | 4       |

Client Sample ID: HEW-02  
Date Collected: 06/10/21 09:15  
Date Received: 06/11/21 19:10

Lab Sample ID: 570-61641-4  
Matrix: Water

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 2.0 | 1.0  | ug/L |   |          | 06/22/21 15:25 | 4       |
| 1,1,1-Trichloroethane                 | ND     |           | 2.0 | 1.1  | ug/L |   |          | 06/22/21 15:25 | 4       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 2.0 | 0.78 | ug/L |   |          | 06/22/21 15:25 | 4       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 2.0 | 1.0  | ug/L |   |          | 06/22/21 15:25 | 4       |
| 1,1,2-Trichloroethane                 | ND     |           | 2.0 | 0.34 | ug/L |   |          | 06/22/21 15:25 | 4       |
| 1,1-Dichloroethane                    | ND     |           | 2.0 | 1.4  | ug/L |   |          | 06/22/21 15:25 | 4       |
| 1,1-Dichloroethene                    | ND     |           | 2.0 | 1.6  | ug/L |   |          | 06/22/21 15:25 | 4       |
| 1,1-Dichloropropene                   | ND     |           | 2.0 | 0.97 | ug/L |   |          | 06/22/21 15:25 | 4       |
| 1,2,3-Trichlorobenzene                | ND     |           | 2.0 | 1.1  | ug/L |   |          | 06/22/21 15:25 | 4       |
| 1,2,3-Trichloropropane                | ND     |           | 2.0 | 1.3  | ug/L |   |          | 06/22/21 15:25 | 4       |
| 1,2,4-Trichlorobenzene                | ND     |           | 2.0 | 1.5  | ug/L |   |          | 06/22/21 15:25 | 4       |
| 1,2,4-Trimethylbenzene                | ND     |           | 2.0 | 1.1  | ug/L |   |          | 06/22/21 15:25 | 4       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 4.0 | 2.6  | ug/L |   |          | 06/22/21 15:25 | 4       |
| 1,2-Dibromoethane                     | ND     |           | 2.0 | 0.55 | ug/L |   |          | 06/22/21 15:25 | 4       |
| 1,2-Dichlorobenzene                   | ND     |           | 2.0 | 0.92 | ug/L |   |          | 06/22/21 15:25 | 4       |
| 1,2-Dichloroethane                    | ND     |           | 2.0 | 0.60 | ug/L |   |          | 06/22/21 15:25 | 4       |
| 1,2-Dichloropropane                   | ND     |           | 2.0 | 0.96 | ug/L |   |          | 06/22/21 15:25 | 4       |
| 1,3,5-Trimethylbenzene                | ND     |           | 2.0 | 1.1  | ug/L |   |          | 06/22/21 15:25 | 4       |
| 1,3-Dichlorobenzene                   | ND     |           | 2.0 | 1.0  | ug/L |   |          | 06/22/21 15:25 | 4       |
| 1,3-Dichloropropane                   | ND     |           | 2.0 | 0.82 | ug/L |   |          | 06/22/21 15:25 | 4       |
| 1,4-Dichlorobenzene                   | ND     |           | 2.0 | 0.90 | ug/L |   |          | 06/22/21 15:25 | 4       |
| 2,2-Dichloropropane                   | ND     |           | 2.0 | 1.6  | ug/L |   |          | 06/22/21 15:25 | 4       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HEW-02  
Date Collected: 06/10/21 09:15  
Date Received: 06/11/21 19:10

Lab Sample ID: 570-61641-4  
Matrix: Water

| Analyte                     | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 20  | 12   | ug/L |   |          | 06/22/21 15:25 | 4       |
| 2-Chlorotoluene             | ND     |           | 2.0 | 1.2  | ug/L |   |          | 06/22/21 15:25 | 4       |
| 2-Hexanone                  | ND     |           | 24  | 17   | ug/L |   |          | 06/22/21 15:25 | 4       |
| 4-Chlorotoluene             | ND     |           | 2.0 | 1.3  | ug/L |   |          | 06/22/21 15:25 | 4       |
| 4-Methyl-2-pentanone        | ND     |           | 20  | 9.0  | ug/L |   |          | 06/22/21 15:25 | 4       |
| Acetone                     | ND     |           | 32  | 16   | ug/L |   |          | 06/22/21 15:25 | 4       |
| Benzene                     | ND     |           | 2.0 | 1.1  | ug/L |   |          | 06/22/21 15:25 | 4       |
| Bromobenzene                | ND     |           | 2.0 | 1.0  | ug/L |   |          | 06/22/21 15:25 | 4       |
| Bromochloromethane          | ND     |           | 4.0 | 1.4  | ug/L |   |          | 06/22/21 15:25 | 4       |
| Bromodichloromethane        | ND     |           | 2.0 | 0.89 | ug/L |   |          | 06/22/21 15:25 | 4       |
| Bromoform                   | ND     |           | 2.0 | 1.6  | ug/L |   |          | 06/22/21 15:25 | 4       |
| Bromomethane                | ND     |           | 4.0 | 3.7  | ug/L |   |          | 06/22/21 15:25 | 4       |
| cis-1,2-Dichloroethene      | ND     |           | 2.0 | 1.2  | ug/L |   |          | 06/22/21 15:25 | 4       |
| cis-1,3-Dichloropropene     | ND     |           | 2.0 | 0.77 | ug/L |   |          | 06/22/21 15:25 | 4       |
| Carbon disulfide            | ND     |           | 4.0 | 0.98 | ug/L |   |          | 06/22/21 15:25 | 4       |
| Carbon tetrachloride        | ND     |           | 2.0 | 1.1  | ug/L |   |          | 06/22/21 15:25 | 4       |
| Chlorobenzene               | ND     |           | 2.0 | 0.95 | ug/L |   |          | 06/22/21 15:25 | 4       |
| Chloroethane                | ND     |           | 2.0 | 1.8  | ug/L |   |          | 06/22/21 15:25 | 4       |
| Chloroform                  | ND     |           | 2.0 | 1.1  | ug/L |   |          | 06/22/21 15:25 | 4       |
| Chloromethane               | ND     |           | 4.0 | 1.2  | ug/L |   |          | 06/22/21 15:25 | 4       |
| Dibromochloromethane        | ND     |           | 2.0 | 1.1  | ug/L |   |          | 06/22/21 15:25 | 4       |
| Dibromomethane              | ND     |           | 2.0 | 0.92 | ug/L |   |          | 06/22/21 15:25 | 4       |
| Dichlorodifluoromethane     | ND     |           | 4.0 | 2.7  | ug/L |   |          | 06/22/21 15:25 | 4       |
| Ethylbenzene                | ND     |           | 2.0 | 1.4  | ug/L |   |          | 06/22/21 15:25 | 4       |
| Isopropylbenzene            | ND     |           | 2.0 | 1.5  | ug/L |   |          | 06/22/21 15:25 | 4       |
| Methylene Chloride          | ND     |           | 4.0 | 1.9  | ug/L |   |          | 06/22/21 15:25 | 4       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 2.0 | 0.82 | ug/L |   |          | 06/22/21 15:25 | 4       |
| Naphthalene                 | ND     |           | 4.0 | 1.3  | ug/L |   |          | 06/22/21 15:25 | 4       |
| n-Butylbenzene              | ND     |           | 2.0 | 1.2  | ug/L |   |          | 06/22/21 15:25 | 4       |
| N-Propylbenzene             | ND     |           | 2.0 | 1.6  | ug/L |   |          | 06/22/21 15:25 | 4       |
| o-Xylene                    | ND     |           | 2.0 | 1.4  | ug/L |   |          | 06/22/21 15:25 | 4       |
| m,p-Xylene                  | ND     |           | 4.0 | 3.1  | ug/L |   |          | 06/22/21 15:25 | 4       |
| p-Isopropyltoluene          | ND     |           | 2.0 | 1.1  | ug/L |   |          | 06/22/21 15:25 | 4       |
| sec-Butylbenzene            | ND     |           | 2.0 | 1.4  | ug/L |   |          | 06/22/21 15:25 | 4       |
| Styrene                     | ND     |           | 2.0 | 1.1  | ug/L |   |          | 06/22/21 15:25 | 4       |
| trans-1,2-Dichloroethene    | ND     |           | 2.0 | 1.4  | ug/L |   |          | 06/22/21 15:25 | 4       |
| trans-1,3-Dichloropropene   | ND     |           | 2.0 | 0.69 | ug/L |   |          | 06/22/21 15:25 | 4       |
| tert-Butylbenzene           | ND     |           | 2.0 | 1.4  | ug/L |   |          | 06/22/21 15:25 | 4       |
| Tetrachloroethene           | ND     |           | 2.0 | 1.2  | ug/L |   |          | 06/22/21 15:25 | 4       |
| Toluene                     | ND     |           | 2.0 | 1.3  | ug/L |   |          | 06/22/21 15:25 | 4       |
| Trichloroethene             | 120    |           | 2.0 | 1.2  | ug/L |   |          | 06/22/21 15:25 | 4       |
| Trichlorofluoromethane      | ND     |           | 2.0 | 1.2  | ug/L |   |          | 06/22/21 15:25 | 4       |
| Vinyl acetate               | ND     |           | 20  | 13   | ug/L |   |          | 06/22/21 15:25 | 4       |
| Vinyl chloride              | ND     |           | 2.0 | 1.6  | ug/L |   |          | 06/22/21 15:25 | 4       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 68 - 135 |          | 06/22/21 15:25 | 4       |
| 4-Bromofluorobenzene (Surr)  | 93        |           | 71 - 120 |          | 06/22/21 15:25 | 4       |
| Dibromofluoromethane         | 101       |           | 80 - 120 |          | 06/22/21 15:25 | 4       |
| Toluene-d8 (Surr)            | 103       |           | 80 - 120 |          | 06/22/21 15:25 | 4       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: UAX-02  
Date Collected: 06/10/21 09:30  
Date Received: 06/11/21 19:10

Lab Sample ID: 570-61641-5  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 06/22/21 15:52 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/22/21 15:52 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 06/22/21 15:52 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 06/22/21 15:52 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 06/22/21 15:52 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 06/22/21 15:52 | 1       |
| 1,1-Dichloroethene                    | 3.1    |           | 0.50 | 0.39  | ug/L |   |          | 06/22/21 15:52 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 06/22/21 15:52 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 06/22/21 15:52 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 06/22/21 15:52 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 06/22/21 15:52 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 06/22/21 15:52 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 06/22/21 15:52 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 06/22/21 15:52 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 06/22/21 15:52 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 06/22/21 15:52 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 06/22/21 15:52 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 06/22/21 15:52 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 06/22/21 15:52 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 06/22/21 15:52 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 06/22/21 15:52 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 06/22/21 15:52 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 06/22/21 15:52 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 06/22/21 15:52 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 06/22/21 15:52 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 06/22/21 15:52 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 06/22/21 15:52 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 06/22/21 15:52 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/22/21 15:52 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 06/22/21 15:52 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 06/22/21 15:52 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 06/22/21 15:52 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 06/22/21 15:52 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 06/22/21 15:52 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 06/22/21 15:52 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 06/22/21 15:52 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 06/22/21 15:52 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/22/21 15:52 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 06/22/21 15:52 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 06/22/21 15:52 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 06/22/21 15:52 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 06/22/21 15:52 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 06/22/21 15:52 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 06/22/21 15:52 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 06/22/21 15:52 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 06/22/21 15:52 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 06/22/21 15:52 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 06/22/21 15:52 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 06/22/21 15:52 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UAX-02  
Date Collected: 06/10/21 09:30  
Date Received: 06/11/21 19:10

Lab Sample ID: 570-61641-5  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 06/22/21 15:52 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 06/22/21 15:52 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 06/22/21 15:52 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 06/22/21 15:52 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 06/22/21 15:52 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 06/22/21 15:52 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 06/22/21 15:52 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 06/22/21 15:52 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 06/22/21 15:52 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 06/22/21 15:52 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 06/22/21 15:52 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 06/22/21 15:52 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 06/22/21 15:52 | 1       |
| Trichloroethene           | 4.6    |           | 0.50 | 0.29 | ug/L |   |          | 06/22/21 15:52 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 06/22/21 15:52 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 06/22/21 15:52 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.40 | ug/L |   |          | 06/22/21 15:52 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 68 - 135 |          | 06/22/21 15:52 | 1       |
| 4-Bromofluorobenzene (Surr)  | 91        |           | 71 - 120 |          | 06/22/21 15:52 | 1       |
| Dibromofluoromethane         | 104       |           | 80 - 120 |          | 06/22/21 15:52 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 120 |          | 06/22/21 15:52 | 1       |

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

**Client Sample ID: HEW-05**  
**Date Collected: 06/10/21 08:25**  
**Date Received: 06/11/21 19:10**

**Lab Sample ID: 570-61641-2**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 1.4       |           | 0.50     | 0.34 | ug/L |   | 06/16/21 07:37 | 06/17/21 04:49 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 43        |           | 15 - 150 |      |      |   | 06/16/21 07:37 | 06/17/21 04:49 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 123       |           | 46 - 128 |      |      |   | 06/16/21 07:37 | 06/17/21 04:49 | 1       |

**Client Sample ID: HEW-03**  
**Date Collected: 06/10/21 08:45**  
**Date Received: 06/11/21 19:10**

**Lab Sample ID: 570-61641-3**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 1.4       |           | 0.50     | 0.34 | ug/L |   | 06/16/21 07:37 | 06/17/21 04:34 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 36        |           | 15 - 150 |      |      |   | 06/16/21 07:37 | 06/17/21 04:34 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 126       |           | 46 - 128 |      |      |   | 06/16/21 07:37 | 06/17/21 04:34 | 1       |

**Client Sample ID: UAX-02**  
**Date Collected: 06/10/21 09:30**  
**Date Received: 06/11/21 19:10**

**Lab Sample ID: 570-61641-5**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 1.5       |           | 0.50     | 0.34 | ug/L |   | 06/16/21 07:37 | 06/17/21 16:15 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 31        |           | 15 - 150 |      |      |   | 06/16/21 07:37 | 06/17/21 16:15 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 103       |           | 46 - 128 |      |      |   | 06/16/21 07:37 | 06/17/21 16:15 | 1       |

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) - RA

Client Sample ID: HEW-02  
Date Collected: 06/10/21 09:15  
Date Received: 06/11/21 19:10

Lab Sample ID: 570-61641-4  
Matrix: Water

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 0.57      |           | 0.50     | 0.34 | ug/L |   | 06/16/21 07:37 | 06/18/21 08:36 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 33        |           | 15 - 150 |      |      |   | 06/16/21 07:37 | 06/18/21 08:36 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 114       |           | 46 - 128 |      |      |   | 06/16/21 07:37 | 06/18/21 08:36 | 1       |

# Surrogate Summary

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID       | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                 |                  |                 |
|---------------------|------------------------|------------------------------------------------|-----------------|------------------|-----------------|
|                     |                        | DCA<br>(68-135)                                | BFB<br>(71-120) | DBFM<br>(80-120) | TOL<br>(80-120) |
| 570-61641-1         | TB-06102021            | 106                                            | 92              | 103              | 102             |
| 570-61641-2         | HEW-05                 | 97                                             | 101             | 97               | 97              |
| 570-61641-3         | HEW-03                 | 105                                            | 89              | 105              | 104             |
| 570-61641-3 MS      | HEW-03                 | 98                                             | 100             | 98               | 107             |
| 570-61641-3 MSD     | HEW-03                 | 97                                             | 100             | 98               | 102             |
| 570-61641-4         | HEW-02                 | 103                                            | 93              | 101              | 103             |
| 570-61641-5         | UAX-02                 | 105                                            | 91              | 104              | 102             |
| LCS 570-158839/4    | Lab Control Sample     | 100                                            | 101             | 105              | 102             |
| LCS 570-159313/1012 | Lab Control Sample     | 98                                             | 105             | 99               | 101             |
| LCSD 570-158839/5   | Lab Control Sample Dup | 97                                             | 101             | 100              | 106             |
| LCSD 570-159313/13  | Lab Control Sample Dup | 89                                             | 102             | 99               | 95              |
| MB 570-158839/8     | Method Blank           | 104                                            | 91              | 102              | 102             |
| MB 570-159313/16    | Method Blank           | 96                                             | 101             | 101              | 97              |

### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID       | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |  |  |  |
|---------------------|------------------------|------------------------------------------------|--|--|--|
|                     |                        | NBZ<br>(46-128)                                |  |  |  |
| 570-61641-2         | HEW-05                 | 123                                            |  |  |  |
| 570-61641-3         | HEW-03                 | 126                                            |  |  |  |
| 570-61641-3 MS      | HEW-03                 | 120                                            |  |  |  |
| 570-61641-3 MSD     | HEW-03                 | 119                                            |  |  |  |
| 570-61641-4 - RA    | HEW-02                 | 114                                            |  |  |  |
| 570-61641-5         | UAX-02                 | 103                                            |  |  |  |
| LCS 570-157564/2-A  | Lab Control Sample     | 123                                            |  |  |  |
| LCSD 570-157564/3-A | Lab Control Sample Dup | 115                                            |  |  |  |
| MB 570-157564/1-A   | Method Blank           | 118                                            |  |  |  |

### Surrogate Legend

NBZ = Nitrobenzene-d5

# Isotope Dilution Summary

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

**Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)**

**Matrix: Water**

**Prep Type: Total/NA**

## Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | DXE<br>(15-150) |
|---------------------|------------------------|-----------------|
| 570-61641-2         | HEW-05                 | 43              |
| 570-61641-3         | HEW-03                 | 36              |
| 570-61641-3 MS      | HEW-03                 | 36              |
| 570-61641-3 MSD     | HEW-03                 | 40              |
| 570-61641-4 - RA    | HEW-02                 | 33              |
| 570-61641-5         | UAX-02                 | 31              |
| LCS 570-157564/2-A  | Lab Control Sample     | 40              |
| LCSD 570-157564/3-A | Lab Control Sample Dup | 46              |
| MB 570-157564/1-A   | Method Blank           | 33              |

### Surrogate Legend

DXE = 1,4-Dioxane-d8

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-158839/8

Matrix: Water

Analysis Batch: 158839

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB Result | MB Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND        |              | 0.50 | 0.26  | ug/L |   |          | 06/22/21 12:42 | 1       |
| 1,1,1-Trichloroethane                 | ND        |              | 0.50 | 0.27  | ug/L |   |          | 06/22/21 12:42 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND        |              | 0.50 | 0.19  | ug/L |   |          | 06/22/21 12:42 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND        |              | 0.50 | 0.25  | ug/L |   |          | 06/22/21 12:42 | 1       |
| 1,1,2-Trichloroethane                 | ND        |              | 0.50 | 0.085 | ug/L |   |          | 06/22/21 12:42 | 1       |
| 1,1-Dichloroethane                    | ND        |              | 0.50 | 0.35  | ug/L |   |          | 06/22/21 12:42 | 1       |
| 1,1-Dichloroethene                    | ND        |              | 0.50 | 0.39  | ug/L |   |          | 06/22/21 12:42 | 1       |
| 1,1-Dichloropropene                   | ND        |              | 0.50 | 0.24  | ug/L |   |          | 06/22/21 12:42 | 1       |
| 1,2,3-Trichlorobenzene                | ND        |              | 0.50 | 0.28  | ug/L |   |          | 06/22/21 12:42 | 1       |
| 1,2,3-Trichloropropane                | ND        |              | 0.50 | 0.32  | ug/L |   |          | 06/22/21 12:42 | 1       |
| 1,2,4-Trichlorobenzene                | ND        |              | 0.50 | 0.38  | ug/L |   |          | 06/22/21 12:42 | 1       |
| 1,2,4-Trimethylbenzene                | ND        |              | 0.50 | 0.29  | ug/L |   |          | 06/22/21 12:42 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND        |              | 1.0  | 0.64  | ug/L |   |          | 06/22/21 12:42 | 1       |
| 1,2-Dibromoethane                     | ND        |              | 0.50 | 0.14  | ug/L |   |          | 06/22/21 12:42 | 1       |
| 1,2-Dichlorobenzene                   | ND        |              | 0.50 | 0.23  | ug/L |   |          | 06/22/21 12:42 | 1       |
| 1,2-Dichloroethane                    | ND        |              | 0.50 | 0.15  | ug/L |   |          | 06/22/21 12:42 | 1       |
| 1,2-Dichloropropane                   | ND        |              | 0.50 | 0.24  | ug/L |   |          | 06/22/21 12:42 | 1       |
| 1,3,5-Trimethylbenzene                | ND        |              | 0.50 | 0.28  | ug/L |   |          | 06/22/21 12:42 | 1       |
| 1,3-Dichlorobenzene                   | ND        |              | 0.50 | 0.26  | ug/L |   |          | 06/22/21 12:42 | 1       |
| 1,3-Dichloropropane                   | ND        |              | 0.50 | 0.20  | ug/L |   |          | 06/22/21 12:42 | 1       |
| 1,4-Dichlorobenzene                   | ND        |              | 0.50 | 0.22  | ug/L |   |          | 06/22/21 12:42 | 1       |
| 2,2-Dichloropropane                   | ND        |              | 0.50 | 0.40  | ug/L |   |          | 06/22/21 12:42 | 1       |
| 2-Butanone                            | ND        |              | 5.0  | 3.0   | ug/L |   |          | 06/22/21 12:42 | 1       |
| 2-Chlorotoluene                       | ND        |              | 0.50 | 0.31  | ug/L |   |          | 06/22/21 12:42 | 1       |
| 2-Hexanone                            | ND        |              | 6.0  | 4.3   | ug/L |   |          | 06/22/21 12:42 | 1       |
| 4-Chlorotoluene                       | ND        |              | 0.50 | 0.34  | ug/L |   |          | 06/22/21 12:42 | 1       |
| 4-Methyl-2-pentanone                  | ND        |              | 5.0  | 2.2   | ug/L |   |          | 06/22/21 12:42 | 1       |
| Acetone                               | ND        |              | 8.0  | 4.0   | ug/L |   |          | 06/22/21 12:42 | 1       |
| Benzene                               | ND        |              | 0.50 | 0.27  | ug/L |   |          | 06/22/21 12:42 | 1       |
| Bromobenzene                          | ND        |              | 0.50 | 0.26  | ug/L |   |          | 06/22/21 12:42 | 1       |
| Bromochloromethane                    | ND        |              | 1.0  | 0.35  | ug/L |   |          | 06/22/21 12:42 | 1       |
| Bromodichloromethane                  | ND        |              | 0.50 | 0.22  | ug/L |   |          | 06/22/21 12:42 | 1       |
| Bromoform                             | ND        |              | 0.50 | 0.39  | ug/L |   |          | 06/22/21 12:42 | 1       |
| Bromomethane                          | ND        |              | 1.0  | 0.93  | ug/L |   |          | 06/22/21 12:42 | 1       |
| cis-1,2-Dichloroethene                | ND        |              | 0.50 | 0.30  | ug/L |   |          | 06/22/21 12:42 | 1       |
| cis-1,3-Dichloropropene               | ND        |              | 0.50 | 0.19  | ug/L |   |          | 06/22/21 12:42 | 1       |
| Carbon disulfide                      | ND        |              | 1.0  | 0.24  | ug/L |   |          | 06/22/21 12:42 | 1       |
| Carbon tetrachloride                  | ND        |              | 0.50 | 0.27  | ug/L |   |          | 06/22/21 12:42 | 1       |
| Chlorobenzene                         | ND        |              | 0.50 | 0.24  | ug/L |   |          | 06/22/21 12:42 | 1       |
| Chloroethane                          | ND        |              | 0.50 | 0.44  | ug/L |   |          | 06/22/21 12:42 | 1       |
| Chloroform                            | ND        |              | 0.50 | 0.28  | ug/L |   |          | 06/22/21 12:42 | 1       |
| Chloromethane                         | ND        |              | 1.0  | 0.29  | ug/L |   |          | 06/22/21 12:42 | 1       |
| Dibromochloromethane                  | ND        |              | 0.50 | 0.27  | ug/L |   |          | 06/22/21 12:42 | 1       |
| Dibromomethane                        | ND        |              | 0.50 | 0.23  | ug/L |   |          | 06/22/21 12:42 | 1       |
| Dichlorodifluoromethane               | ND        |              | 1.0  | 0.68  | ug/L |   |          | 06/22/21 12:42 | 1       |
| Ethylbenzene                          | ND        |              | 0.50 | 0.36  | ug/L |   |          | 06/22/21 12:42 | 1       |
| Isopropylbenzene                      | ND        |              | 0.50 | 0.38  | ug/L |   |          | 06/22/21 12:42 | 1       |
| Methylene Chloride                    | ND        |              | 1.0  | 0.48  | ug/L |   |          | 06/22/21 12:42 | 1       |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-158839/8

Matrix: Water

Analysis Batch: 158839

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|------|------|------|---|----------|----------------|---------|
| Methyl-t-Butyl Ether (MTBE) | ND        |              | 0.50 | 0.21 | ug/L |   |          | 06/22/21 12:42 | 1       |
| Naphthalene                 | ND        |              | 1.0  | 0.32 | ug/L |   |          | 06/22/21 12:42 | 1       |
| n-Butylbenzene              | ND        |              | 0.50 | 0.29 | ug/L |   |          | 06/22/21 12:42 | 1       |
| N-Propylbenzene             | ND        |              | 0.50 | 0.39 | ug/L |   |          | 06/22/21 12:42 | 1       |
| o-Xylene                    | ND        |              | 0.50 | 0.35 | ug/L |   |          | 06/22/21 12:42 | 1       |
| m,p-Xylene                  | ND        |              | 1.0  | 0.78 | ug/L |   |          | 06/22/21 12:42 | 1       |
| p-Isopropyltoluene          | ND        |              | 0.50 | 0.28 | ug/L |   |          | 06/22/21 12:42 | 1       |
| sec-Butylbenzene            | ND        |              | 0.50 | 0.34 | ug/L |   |          | 06/22/21 12:42 | 1       |
| Styrene                     | ND        |              | 0.50 | 0.28 | ug/L |   |          | 06/22/21 12:42 | 1       |
| trans-1,2-Dichloroethene    | ND        |              | 0.50 | 0.36 | ug/L |   |          | 06/22/21 12:42 | 1       |
| trans-1,3-Dichloropropene   | ND        |              | 0.50 | 0.17 | ug/L |   |          | 06/22/21 12:42 | 1       |
| tert-Butylbenzene           | ND        |              | 0.50 | 0.34 | ug/L |   |          | 06/22/21 12:42 | 1       |
| Tetrachloroethene           | ND        |              | 0.50 | 0.29 | ug/L |   |          | 06/22/21 12:42 | 1       |
| Toluene                     | ND        |              | 0.50 | 0.33 | ug/L |   |          | 06/22/21 12:42 | 1       |
| Trichloroethene             | ND        |              | 0.50 | 0.29 | ug/L |   |          | 06/22/21 12:42 | 1       |
| Trichlorofluoromethane      | ND        |              | 0.50 | 0.30 | ug/L |   |          | 06/22/21 12:42 | 1       |
| Vinyl acetate               | ND        |              | 5.0  | 3.1  | ug/L |   |          | 06/22/21 12:42 | 1       |
| Vinyl chloride              | ND        |              | 0.50 | 0.40 | ug/L |   |          | 06/22/21 12:42 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104          |              | 68 - 135 |          | 06/22/21 12:42 | 1       |
| 4-Bromofluorobenzene (Surr)  | 91           |              | 71 - 120 |          | 06/22/21 12:42 | 1       |
| Dibromofluoromethane         | 102          |              | 80 - 120 |          | 06/22/21 12:42 | 1       |
| Toluene-d8 (Surr)            | 102          |              | 80 - 120 |          | 06/22/21 12:42 | 1       |

Lab Sample ID: LCS 570-158839/4

Matrix: Water

Analysis Batch: 158839

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,1,1,2-Tetrachloroethane             | 10.0        | 11.04      |               | ug/L |   | 110  | 76 - 143     |
| 1,1,1-Trichloroethane                 | 10.0        | 9.848      |               | ug/L |   | 98   | 75 - 128     |
| 1,1,2,2-Tetrachloroethane             | 10.0        | 10.04      |               | ug/L |   | 100  | 73 - 126     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0        | 9.263      |               | ug/L |   | 93   | 50 - 120     |
| 1,1,2-Trichloroethane                 | 10.0        | 10.57      |               | ug/L |   | 106  | 80 - 120     |
| 1,1-Dichloroethane                    | 10.0        | 9.506      |               | ug/L |   | 95   | 76 - 120     |
| 1,1-Dichloroethene                    | 10.0        | 9.421      |               | ug/L |   | 94   | 72 - 120     |
| 1,1-Dichloropropene                   | 10.0        | 9.287      |               | ug/L |   | 93   | 76 - 120     |
| 1,2,3-Trichlorobenzene                | 10.0        | 9.493      |               | ug/L |   | 95   | 80 - 125     |
| 1,2,3-Trichloropropane                | 10.0        | 10.12      |               | ug/L |   | 101  | 66 - 131     |
| 1,2,4-Trichlorobenzene                | 10.0        | 9.363      |               | ug/L |   | 94   | 80 - 123     |
| 1,2,4-Trimethylbenzene                | 10.0        | 9.672      |               | ug/L |   | 97   | 78 - 125     |
| 1,2-Dibromo-3-Chloropropane           | 10.0        | 7.753      |               | ug/L |   | 78   | 77 - 120     |
| 1,2-Dibromoethane                     | 10.0        | 10.73      |               | ug/L |   | 107  | 80 - 120     |
| 1,2-Dichlorobenzene                   | 10.0        | 9.866      |               | ug/L |   | 99   | 79 - 123     |
| 1,2-Dichloroethane                    | 10.0        | 11.03      |               | ug/L |   | 110  | 71 - 137     |
| 1,2-Dichloropropane                   | 10.0        | 10.20      |               | ug/L |   | 102  | 80 - 120     |
| 1,3,5-Trimethylbenzene                | 10.0        | 10.43      |               | ug/L |   | 104  | 77 - 133     |

Eurofins Calscience LLC



# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-158839/4

Matrix: Water

Analysis Batch: 158839

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,3-Dichlorobenzene         | 10.0        | 9.767      |               | ug/L |   | 98   | 79 - 123     |
| 1,3-Dichloropropane         | 10.0        | 10.23      |               | ug/L |   | 102  | 80 - 123     |
| 1,4-Dichlorobenzene         | 10.0        | 9.607      |               | ug/L |   | 96   | 75 - 123     |
| 2,2-Dichloropropane         | 10.0        | 9.213      |               | ug/L |   | 92   | 78 - 133     |
| 2-Butanone                  | 10.0        | 10.11      |               | ug/L |   | 101  | 32 - 133     |
| 2-Chlorotoluene             | 10.0        | 10.04      |               | ug/L |   | 100  | 80 - 120     |
| 2-Hexanone                  | 10.0        | 8.680      |               | ug/L |   | 87   | 57 - 127     |
| 4-Chlorotoluene             | 10.0        | 9.550      |               | ug/L |   | 95   | 78 - 120     |
| 4-Methyl-2-pentanone        | 10.0        | 9.118      |               | ug/L |   | 91   | 68 - 120     |
| Acetone                     | 10.0        | 9.846      |               | ug/L |   | 98   | 57 - 133     |
| Benzene                     | 10.0        | 9.679      |               | ug/L |   | 97   | 80 - 120     |
| Bromobenzene                | 10.0        | 10.66      |               | ug/L |   | 107  | 80 - 124     |
| Bromochloromethane          | 10.0        | 10.69      |               | ug/L |   | 107  | 76 - 125     |
| Bromodichloromethane        | 10.0        | 10.80      |               | ug/L |   | 108  | 77 - 141     |
| Bromoform                   | 10.0        | 10.64      |               | ug/L |   | 106  | 46 - 178     |
| Bromomethane                | 10.0        | 9.179      |               | ug/L |   | 92   | 52 - 162     |
| cis-1,2-Dichloroethene      | 10.0        | 9.910      |               | ug/L |   | 99   | 76 - 122     |
| cis-1,3-Dichloropropene     | 10.0        | 9.699      |               | ug/L |   | 97   | 80 - 122     |
| Carbon disulfide            | 10.0        | 8.227      |               | ug/L |   | 82   | 66 - 125     |
| Carbon tetrachloride        | 10.0        | 10.97      |               | ug/L |   | 110  | 69 - 145     |
| Chlorobenzene               | 10.0        | 10.40      |               | ug/L |   | 104  | 80 - 120     |
| Chloroethane                | 10.0        | 8.624      |               | ug/L |   | 86   | 73 - 139     |
| Chloroform                  | 10.0        | 9.810      |               | ug/L |   | 98   | 80 - 120     |
| Chloromethane               | 10.0        | 9.380      |               | ug/L |   | 94   | 35 - 159     |
| Dibromochloromethane        | 10.0        | 11.33      |               | ug/L |   | 113  | 63 - 151     |
| Dibromomethane              | 10.0        | 10.55      |               | ug/L |   | 105  | 80 - 121     |
| Dichlorodifluoromethane     | 10.0        | 9.523      |               | ug/L |   | 95   | 59 - 139     |
| Ethylbenzene                | 10.0        | 10.21      |               | ug/L |   | 102  | 80 - 120     |
| Isopropylbenzene            | 10.0        | 10.30      |               | ug/L |   | 103  | 80 - 124     |
| Methylene Chloride          | 10.0        | 8.854      |               | ug/L |   | 89   | 70 - 120     |
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 10.12      |               | ug/L |   | 101  | 72 - 120     |
| Naphthalene                 | 10.0        | 9.495      |               | ug/L |   | 95   | 75 - 120     |
| n-Butylbenzene              | 10.0        | 9.427      |               | ug/L |   | 94   | 76 - 124     |
| N-Propylbenzene             | 10.0        | 10.37      |               | ug/L |   | 104  | 80 - 122     |
| o-Xylene                    | 10.0        | 10.15      |               | ug/L |   | 101  | 80 - 122     |
| m,p-Xylene                  | 20.0        | 20.54      |               | ug/L |   | 103  | 80 - 122     |
| p-Isopropyltoluene          | 10.0        | 9.506      |               | ug/L |   | 95   | 77 - 127     |
| sec-Butylbenzene            | 10.0        | 9.434      |               | ug/L |   | 94   | 75 - 123     |
| Styrene                     | 10.0        | 10.36      |               | ug/L |   | 104  | 80 - 121     |
| trans-1,2-Dichloroethene    | 10.0        | 9.640      |               | ug/L |   | 96   | 67 - 123     |
| trans-1,3-Dichloropropene   | 10.0        | 10.16      |               | ug/L |   | 102  | 78 - 140     |
| tert-Butylbenzene           | 10.0        | 9.581      |               | ug/L |   | 96   | 72 - 128     |
| Tetrachloroethene           | 10.0        | 10.72      |               | ug/L |   | 107  | 80 - 128     |
| Toluene                     | 10.0        | 10.11      |               | ug/L |   | 101  | 80 - 120     |
| Trichloroethene             | 10.0        | 9.975      |               | ug/L |   | 100  | 80 - 123     |
| Trichlorofluoromethane      | 10.0        | 8.914      |               | ug/L |   | 89   | 64 - 168     |
| Vinyl acetate               | 10.0        | 10.41      |               | ug/L |   | 104  | 75 - 144     |
| Vinyl chloride              | 10.0        | 8.620      |               | ug/L |   | 86   | 74 - 130     |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-158839/4

Matrix: Water

Analysis Batch: 158839

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Surrogate                    | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|------------------------------|------------------|------------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 100              |                  | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 101              |                  | 71 - 120 |
| Dibromofluoromethane         | 105              |                  | 80 - 120 |
| Toluene-d8 (Surr)            | 102              |                  | 80 - 120 |

Lab Sample ID: LCSD 570-158839/5

Matrix: Water

Analysis Batch: 158839

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|---------------------------------------|----------------|----------------|-------------------|------|---|------|-----------------|-----|--------------|
| 1,1,1,2-Tetrachloroethane             | 10.0           | 11.86          |                   | ug/L |   | 119  | 76 - 143        | 7   | 20           |
| 1,1,1-Trichloroethane                 | 10.0           | 10.74          |                   | ug/L |   | 107  | 75 - 128        | 9   | 20           |
| 1,1,2,2-Tetrachloroethane             | 10.0           | 10.81          |                   | ug/L |   | 108  | 73 - 126        | 7   | 21           |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0           | 10.29          |                   | ug/L |   | 103  | 50 - 120        | 10  | 20           |
| 1,1,2-Trichloroethane                 | 10.0           | 11.21          |                   | ug/L |   | 112  | 80 - 120        | 6   | 20           |
| 1,1-Dichloroethane                    | 10.0           | 10.19          |                   | ug/L |   | 102  | 76 - 120        | 7   | 20           |
| 1,1-Dichloroethene                    | 10.0           | 10.29          |                   | ug/L |   | 103  | 72 - 120        | 9   | 20           |
| 1,1-Dichloropropene                   | 10.0           | 10.03          |                   | ug/L |   | 100  | 76 - 120        | 8   | 20           |
| 1,2,3-Trichlorobenzene                | 10.0           | 10.40          |                   | ug/L |   | 104  | 80 - 125        | 9   | 22           |
| 1,2,3-Trichloropropane                | 10.0           | 10.57          |                   | ug/L |   | 106  | 66 - 131        | 4   | 20           |
| 1,2,4-Trichlorobenzene                | 10.0           | 10.02          |                   | ug/L |   | 100  | 80 - 123        | 7   | 20           |
| 1,2,4-Trimethylbenzene                | 10.0           | 10.45          |                   | ug/L |   | 104  | 78 - 125        | 8   | 22           |
| 1,2-Dibromo-3-Chloropropane           | 10.0           | 8.916          |                   | ug/L |   | 89   | 77 - 120        | 14  | 21           |
| 1,2-Dibromoethane                     | 10.0           | 11.49          |                   | ug/L |   | 115  | 80 - 120        | 7   | 20           |
| 1,2-Dichlorobenzene                   | 10.0           | 10.47          |                   | ug/L |   | 105  | 79 - 123        | 6   | 20           |
| 1,2-Dichloroethane                    | 10.0           | 12.03          |                   | ug/L |   | 120  | 71 - 137        | 9   | 20           |
| 1,2-Dichloropropane                   | 10.0           | 11.41          |                   | ug/L |   | 114  | 80 - 120        | 11  | 20           |
| 1,3,5-Trimethylbenzene                | 10.0           | 11.35          |                   | ug/L |   | 113  | 77 - 133        | 8   | 20           |
| 1,3-Dichlorobenzene                   | 10.0           | 10.61          |                   | ug/L |   | 106  | 79 - 123        | 8   | 20           |
| 1,3-Dichloropropane                   | 10.0           | 10.84          |                   | ug/L |   | 108  | 80 - 123        | 6   | 20           |
| 1,4-Dichlorobenzene                   | 10.0           | 10.39          |                   | ug/L |   | 104  | 75 - 123        | 8   | 22           |
| 2,2-Dichloropropane                   | 10.0           | 10.04          |                   | ug/L |   | 100  | 78 - 133        | 9   | 20           |
| 2-Butanone                            | 10.0           | 9.939          |                   | ug/L |   | 99   | 32 - 133        | 2   | 26           |
| 2-Chlorotoluene                       | 10.0           | 10.69          |                   | ug/L |   | 107  | 80 - 120        | 6   | 20           |
| 2-Hexanone                            | 10.0           | 9.116          |                   | ug/L |   | 91   | 57 - 127        | 5   | 21           |
| 4-Chlorotoluene                       | 10.0           | 10.28          |                   | ug/L |   | 103  | 78 - 120        | 7   | 21           |
| 4-Methyl-2-pentanone                  | 10.0           | 10.46          |                   | ug/L |   | 105  | 68 - 120        | 14  | 20           |
| Acetone                               | 10.0           | 11.19          |                   | ug/L |   | 112  | 57 - 133        | 13  | 28           |
| Benzene                               | 10.0           | 10.83          |                   | ug/L |   | 108  | 80 - 120        | 11  | 20           |
| Bromobenzene                          | 10.0           | 11.55          |                   | ug/L |   | 116  | 80 - 124        | 8   | 20           |
| Bromochloromethane                    | 10.0           | 11.30          |                   | ug/L |   | 113  | 76 - 125        | 6   | 20           |
| Bromodichloromethane                  | 10.0           | 12.07          |                   | ug/L |   | 121  | 77 - 141        | 11  | 20           |
| Bromoform                             | 10.0           | 11.38          |                   | ug/L |   | 114  | 46 - 178        | 7   | 23           |
| Bromomethane                          | 10.0           | 9.368          |                   | ug/L |   | 94   | 52 - 162        | 2   | 20           |
| cis-1,2-Dichloroethene                | 10.0           | 10.57          |                   | ug/L |   | 106  | 76 - 122        | 6   | 20           |
| cis-1,3-Dichloropropene               | 10.0           | 10.77          |                   | ug/L |   | 108  | 80 - 122        | 10  | 20           |
| Carbon disulfide                      | 10.0           | 9.070          |                   | ug/L |   | 91   | 66 - 125        | 10  | 20           |
| Carbon tetrachloride                  | 10.0           | 12.09          |                   | ug/L |   | 121  | 69 - 145        | 10  | 20           |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-158839/5

Matrix: Water

Analysis Batch: 158839

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                     | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Chlorobenzene               | 10.0        | 11.12       |                | ug/L |   | 111  | 80 - 120     | 7   | 20        |
| Chloroethane                | 10.0        | 9.084       |                | ug/L |   | 91   | 73 - 139     | 5   | 20        |
| Chloroform                  | 10.0        | 10.54       |                | ug/L |   | 105  | 80 - 120     | 7   | 20        |
| Chloromethane               | 10.0        | 10.07       |                | ug/L |   | 101  | 35 - 159     | 7   | 20        |
| Dibromochloromethane        | 10.0        | 12.14       |                | ug/L |   | 121  | 63 - 151     | 7   | 20        |
| Dibromomethane              | 10.0        | 11.15       |                | ug/L |   | 111  | 80 - 121     | 5   | 20        |
| Dichlorodifluoromethane     | 10.0        | 10.65       |                | ug/L |   | 106  | 59 - 139     | 11  | 20        |
| Ethylbenzene                | 10.0        | 11.15       |                | ug/L |   | 112  | 80 - 120     | 9   | 20        |
| Isopropylbenzene            | 10.0        | 11.22       |                | ug/L |   | 112  | 80 - 124     | 9   | 20        |
| Methylene Chloride          | 10.0        | 9.629       |                | ug/L |   | 96   | 70 - 120     | 8   | 20        |
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 10.67       |                | ug/L |   | 107  | 72 - 120     | 5   | 20        |
| Naphthalene                 | 10.0        | 10.32       |                | ug/L |   | 103  | 75 - 120     | 8   | 22        |
| n-Butylbenzene              | 10.0        | 10.51       |                | ug/L |   | 105  | 76 - 124     | 11  | 23        |
| N-Propylbenzene             | 10.0        | 11.41       |                | ug/L |   | 114  | 80 - 122     | 10  | 20        |
| o-Xylene                    | 10.0        | 11.00       |                | ug/L |   | 110  | 80 - 122     | 8   | 20        |
| m,p-Xylene                  | 20.0        | 22.22       |                | ug/L |   | 111  | 80 - 122     | 8   | 20        |
| p-Isopropyltoluene          | 10.0        | 10.38       |                | ug/L |   | 104  | 77 - 127     | 9   | 21        |
| sec-Butylbenzene            | 10.0        | 10.44       |                | ug/L |   | 104  | 75 - 123     | 10  | 21        |
| Styrene                     | 10.0        | 11.19       |                | ug/L |   | 112  | 80 - 121     | 8   | 20        |
| trans-1,2-Dichloroethene    | 10.0        | 10.46       |                | ug/L |   | 105  | 67 - 123     | 8   | 20        |
| trans-1,3-Dichloropropene   | 10.0        | 10.86       |                | ug/L |   | 109  | 78 - 140     | 7   | 20        |
| tert-Butylbenzene           | 10.0        | 10.45       |                | ug/L |   | 105  | 72 - 128     | 9   | 22        |
| Tetrachloroethene           | 10.0        | 11.83       |                | ug/L |   | 118  | 80 - 128     | 10  | 20        |
| Toluene                     | 10.0        | 11.35       |                | ug/L |   | 113  | 80 - 120     | 11  | 20        |
| Trichloroethene             | 10.0        | 11.30       |                | ug/L |   | 113  | 80 - 123     | 12  | 20        |
| Trichlorofluoromethane      | 10.0        | 9.864       |                | ug/L |   | 99   | 64 - 168     | 10  | 20        |
| Vinyl acetate               | 10.0        | 10.60       |                | ug/L |   | 106  | 75 - 144     | 2   | 25        |
| Vinyl chloride              | 10.0        | 9.483       |                | ug/L |   | 95   | 74 - 130     | 10  | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 97             |                | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 101            |                | 71 - 120 |
| Dibromofluoromethane         | 100            |                | 80 - 120 |
| Toluene-d8 (Surr)            | 106            |                | 80 - 120 |

Lab Sample ID: 570-61641-3 MS

Matrix: Water

Analysis Batch: 158839

Client Sample ID: HEW-03

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,1,1,2-Tetrachloroethane             | ND            |                  | 40.0        | 54.34     |              | ug/L |   | 136  | 57 - 157     |
| 1,1,1-Trichloroethane                 | ND            |                  | 40.0        | 48.75     |              | ug/L |   | 122  | 54 - 152     |
| 1,1,2,2-Tetrachloroethane             | ND            |                  | 40.0        | 47.46     |              | ug/L |   | 119  | 67 - 143     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |                  | 40.0        | 38.61     |              | ug/L |   | 97   | 35 - 132     |
| 1,1,2-Trichloroethane                 | ND            |                  | 40.0        | 51.26     |              | ug/L |   | 128  | 70 - 138     |
| 1,1-Dichloroethane                    | ND            |                  | 40.0        | 46.24     |              | ug/L |   | 116  | 57 - 140     |
| 1,1-Dichloroethene                    | ND            |                  | 40.0        | 46.98     |              | ug/L |   | 117  | 48 - 146     |
| 1,1-Dichloropropene                   | ND            |                  | 40.0        | 44.78     |              | ug/L |   | 112  | 56 - 144     |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-61641-3 MS

Matrix: Water

Analysis Batch: 158839

Client Sample ID: HEW-03

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,2,3-Trichlorobenzene      | ND            |                  | 40.0        | 42.57     |              | ug/L |   | 106  | 66 - 146     |
| 1,2,3-Trichloropropane      | ND            |                  | 40.0        | 44.90     |              | ug/L |   | 112  | 66 - 139     |
| 1,2,4-Trichlorobenzene      | ND            |                  | 40.0        | 41.57     |              | ug/L |   | 104  | 64 - 146     |
| 1,2,4-Trimethylbenzene      | ND            |                  | 40.0        | 45.83     |              | ug/L |   | 115  | 52 - 156     |
| 1,2-Dibromo-3-Chloropropane | ND            |                  | 40.0        | 35.09     |              | ug/L |   | 88   | 57 - 145     |
| 1,2-Dibromoethane           | ND            |                  | 40.0        | 50.28     |              | ug/L |   | 126  | 69 - 139     |
| 1,2-Dichlorobenzene         | ND            |                  | 40.0        | 47.74     |              | ug/L |   | 119  | 63 - 146     |
| 1,2-Dichloroethane          | ND            |                  | 40.0        | 54.35     |              | ug/L |   | 136  | 63 - 151     |
| 1,2-Dichloropropane         | ND            |                  | 40.0        | 51.50     |              | ug/L |   | 129  | 65 - 143     |
| 1,3,5-Trimethylbenzene      | ND            |                  | 40.0        | 50.10     |              | ug/L |   | 125  | 58 - 158     |
| 1,3-Dichlorobenzene         | ND            |                  | 40.0        | 47.01     |              | ug/L |   | 118  | 61 - 145     |
| 1,3-Dichloropropane         | ND            |                  | 40.0        | 50.45     |              | ug/L |   | 126  | 70 - 137     |
| 1,4-Dichlorobenzene         | ND            |                  | 40.0        | 45.01     |              | ug/L |   | 113  | 61 - 141     |
| 2,2-Dichloropropane         | ND            |                  | 40.0        | 36.30     |              | ug/L |   | 91   | 56 - 148     |
| 2-Butanone                  | ND            |                  | 40.0        | 40.65     |              | ug/L |   | 102  | 48 - 141     |
| 2-Chlorotoluene             | ND            |                  | 40.0        | 48.58     |              | ug/L |   | 121  | 58 - 145     |
| 2-Hexanone                  | ND            |                  | 40.0        | 33.99     |              | ug/L |   | 85   | 61 - 139     |
| 4-Chlorotoluene             | ND            |                  | 40.0        | 45.38     |              | ug/L |   | 113  | 59 - 144     |
| 4-Methyl-2-pentanone        | ND            |                  | 40.0        | 43.65     |              | ug/L |   | 109  | 63 - 139     |
| Acetone                     | ND            |                  | 40.0        | 45.05     |              | ug/L |   | 113  | 49 - 130     |
| Benzene                     | ND            |                  | 40.0        | 50.54     |              | ug/L |   | 126  | 61 - 143     |
| Bromobenzene                | ND            |                  | 40.0        | 52.08     |              | ug/L |   | 130  | 64 - 146     |
| Bromochloromethane          | ND            |                  | 40.0        | 50.42     |              | ug/L |   | 126  | 65 - 140     |
| Bromodichloromethane        | ND            |                  | 40.0        | 53.72     |              | ug/L |   | 134  | 61 - 158     |
| Bromoform                   | ND            |                  | 40.0        | 49.25     |              | ug/L |   | 123  | 48 - 168     |
| Bromomethane                | ND            |                  | 40.0        | 48.92     |              | ug/L |   | 122  | 58 - 175     |
| cis-1,2-Dichloroethene      | ND            |                  | 40.0        | 47.04     |              | ug/L |   | 118  | 53 - 156     |
| cis-1,3-Dichloropropene     | ND            |                  | 40.0        | 45.37     |              | ug/L |   | 113  | 65 - 142     |
| Carbon disulfide            | ND            |                  | 40.0        | 41.35     |              | ug/L |   | 103  | 48 - 149     |
| Carbon tetrachloride        | ND            |                  | 40.0        | 52.76     |              | ug/L |   | 132  | 46 - 167     |
| Chlorobenzene               | ND            |                  | 40.0        | 51.27     |              | ug/L |   | 128  | 62 - 143     |
| Chloroethane                | ND            |                  | 40.0        | 43.63     |              | ug/L |   | 109  | 65 - 162     |
| Chloroform                  | ND            |                  | 40.0        | 46.86     |              | ug/L |   | 117  | 62 - 145     |
| Chloromethane               | ND            |                  | 40.0        | 44.03     |              | ug/L |   | 110  | 21 - 171     |
| Dibromochloromethane        | ND            |                  | 40.0        | 54.30     |              | ug/L |   | 136  | 56 - 156     |
| Dibromomethane              | ND            |                  | 40.0        | 51.01     |              | ug/L |   | 128  | 69 - 142     |
| Dichlorodifluoromethane     | ND            |                  | 40.0        | 38.60     |              | ug/L |   | 97   | 38 - 159     |
| Ethylbenzene                | ND            |                  | 40.0        | 50.90     |              | ug/L |   | 127  | 59 - 145     |
| Isopropylbenzene            | ND            |                  | 40.0        | 51.36     |              | ug/L |   | 128  | 61 - 149     |
| Methylene Chloride          | ND            |                  | 40.0        | 41.36     |              | ug/L |   | 103  | 57 - 131     |
| Methyl-t-Butyl Ether (MTBE) | ND            |                  | 40.0        | 45.32     |              | ug/L |   | 113  | 62 - 125     |
| Naphthalene                 | ND            |                  | 40.0        | 40.28     |              | ug/L |   | 101  | 54 - 148     |
| n-Butylbenzene              | ND            |                  | 40.0        | 43.14     |              | ug/L |   | 108  | 57 - 150     |
| N-Propylbenzene             | ND            |                  | 40.0        | 50.81     |              | ug/L |   | 127  | 60 - 149     |
| o-Xylene                    | ND            |                  | 40.0        | 50.67     |              | ug/L |   | 127  | 61 - 150     |
| m,p-Xylene                  | ND            |                  | 80.0        | 101.8     |              | ug/L |   | 127  | 61 - 150     |
| p-Isopropyltoluene          | ND            |                  | 40.0        | 44.86     |              | ug/L |   | 112  | 55 - 153     |
| sec-Butylbenzene            | ND            |                  | 40.0        | 45.02     |              | ug/L |   | 113  | 57 - 148     |
| Styrene                     | ND            |                  | 40.0        | 49.35     |              | ug/L |   | 123  | 53 - 146     |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-61641-3 MS

Matrix: Water

Analysis Batch: 158839

Client Sample ID: HEW-03

Prep Type: Total/NA

| Analyte                   | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| trans-1,2-Dichloroethene  | ND            |                  | 40.0        | 47.63     |              | ug/L |   | 119  | 54 - 142     |
| trans-1,3-Dichloropropene | ND            |                  | 40.0        | 46.51     |              | ug/L |   | 116  | 66 - 146     |
| tert-Butylbenzene         | ND            |                  | 40.0        | 46.11     |              | ug/L |   | 115  | 56 - 148     |
| Tetrachloroethene         | 2.4           |                  | 40.0        | 55.86     |              | ug/L |   | 134  | 52 - 156     |
| Toluene                   | ND            |                  | 40.0        | 52.19     |              | ug/L |   | 130  | 62 - 145     |
| Trichloroethene           | 120           |                  | 40.0        | 168.7     |              | ug/L |   | 127  | 35 - 163     |
| Trichlorofluoromethane    | ND            |                  | 40.0        | 42.03     |              | ug/L |   | 105  | 75 - 151     |
| Vinyl acetate             | ND            |                  | 40.0        | 42.70     |              | ug/L |   | 107  | 61 - 170     |
| Vinyl chloride            | ND            |                  | 40.0        | 45.08     |              | ug/L |   | 113  | 75 - 139     |

| Surrogate                    | MS %Recovery | MS Qualifier | Limits   |
|------------------------------|--------------|--------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 98           |              | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 100          |              | 71 - 120 |
| Dibromofluoromethane         | 98           |              | 80 - 120 |
| Toluene-d8 (Surr)            | 107          |              | 80 - 120 |

Lab Sample ID: 570-61641-3 MSD

Matrix: Water

Analysis Batch: 158839

Client Sample ID: HEW-03

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane             | ND            |                  | 40.0        | 53.82      |               | ug/L |   | 135  | 57 - 157     | 1   | 20        |
| 1,1,1-Trichloroethane                 | ND            |                  | 40.0        | 47.82      |               | ug/L |   | 120  | 54 - 152     | 2   | 26        |
| 1,1,2,2-Tetrachloroethane             | ND            |                  | 40.0        | 46.67      |               | ug/L |   | 117  | 67 - 143     | 2   | 20        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |                  | 40.0        | 36.90      |               | ug/L |   | 92   | 35 - 132     | 5   | 36        |
| 1,1,2-Trichloroethane                 | ND            |                  | 40.0        | 50.32      |               | ug/L |   | 126  | 70 - 138     | 2   | 20        |
| 1,1-Dichloroethane                    | ND            |                  | 40.0        | 45.69      |               | ug/L |   | 114  | 57 - 140     | 1   | 22        |
| 1,1-Dichloroethene                    | ND            |                  | 40.0        | 46.36      |               | ug/L |   | 116  | 48 - 146     | 1   | 28        |
| 1,1-Dichloropropene                   | ND            |                  | 40.0        | 45.64      |               | ug/L |   | 114  | 56 - 144     | 2   | 27        |
| 1,2,3-Trichlorobenzene                | ND            |                  | 40.0        | 44.70      |               | ug/L |   | 112  | 66 - 146     | 5   | 24        |
| 1,2,3-Trichloropropane                | ND            |                  | 40.0        | 42.55      |               | ug/L |   | 106  | 66 - 139     | 5   | 20        |
| 1,2,4-Trichlorobenzene                | ND            |                  | 40.0        | 43.57      |               | ug/L |   | 109  | 64 - 146     | 5   | 25        |
| 1,2,4-Trimethylbenzene                | ND            |                  | 40.0        | 45.35      |               | ug/L |   | 113  | 52 - 156     | 1   | 24        |
| 1,2-Dibromo-3-Chloropropane           | ND            |                  | 40.0        | 36.18      |               | ug/L |   | 90   | 57 - 145     | 3   | 21        |
| 1,2-Dibromoethane                     | ND            |                  | 40.0        | 49.54      |               | ug/L |   | 124  | 69 - 139     | 1   | 20        |
| 1,2-Dichlorobenzene                   | ND            |                  | 40.0        | 47.45      |               | ug/L |   | 119  | 63 - 146     | 1   | 20        |
| 1,2-Dichloroethane                    | ND            |                  | 40.0        | 51.22      |               | ug/L |   | 128  | 63 - 151     | 6   | 20        |
| 1,2-Dichloropropane                   | ND            |                  | 40.0        | 49.54      |               | ug/L |   | 124  | 65 - 143     | 4   | 20        |
| 1,3,5-Trimethylbenzene                | ND            |                  | 40.0        | 50.01      |               | ug/L |   | 125  | 58 - 158     | 0   | 26        |
| 1,3-Dichlorobenzene                   | ND            |                  | 40.0        | 47.29      |               | ug/L |   | 118  | 61 - 145     | 1   | 22        |
| 1,3-Dichloropropane                   | ND            |                  | 40.0        | 49.33      |               | ug/L |   | 123  | 70 - 137     | 2   | 20        |
| 1,4-Dichlorobenzene                   | ND            |                  | 40.0        | 45.67      |               | ug/L |   | 114  | 61 - 141     | 1   | 22        |
| 2,2-Dichloropropane                   | ND            |                  | 40.0        | 35.77      |               | ug/L |   | 89   | 56 - 148     | 1   | 26        |
| 2-Butanone                            | ND            |                  | 40.0        | 42.03      |               | ug/L |   | 105  | 48 - 141     | 3   | 26        |
| 2-Chlorotoluene                       | ND            |                  | 40.0        | 48.77      |               | ug/L |   | 122  | 58 - 145     | 0   | 25        |
| 2-Hexanone                            | ND            |                  | 40.0        | 41.55      |               | ug/L |   | 104  | 61 - 139     | 20  | 21        |
| 4-Chlorotoluene                       | ND            |                  | 40.0        | 46.36      |               | ug/L |   | 116  | 59 - 144     | 2   | 24        |
| 4-Methyl-2-pentanone                  | ND            |                  | 40.0        | 43.26      |               | ug/L |   | 108  | 63 - 139     | 1   | 20        |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-61641-3 MSD

Matrix: Water

Analysis Batch: 158839

Client Sample ID: HEW-03

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Acetone                     | ND            |                  | 40.0        | 44.80      |               | ug/L |   | 112  | 49 - 130     | 1   | 26        |
| Benzene                     | ND            |                  | 40.0        | 48.18      |               | ug/L |   | 120  | 61 - 143     | 5   | 20        |
| Bromobenzene                | ND            |                  | 40.0        | 51.63      |               | ug/L |   | 129  | 64 - 146     | 1   | 20        |
| Bromochloromethane          | ND            |                  | 40.0        | 49.22      |               | ug/L |   | 123  | 65 - 140     | 2   | 20        |
| Bromodichloromethane        | ND            |                  | 40.0        | 52.01      |               | ug/L |   | 130  | 61 - 158     | 3   | 20        |
| Bromoform                   | ND            |                  | 40.0        | 49.15      |               | ug/L |   | 123  | 48 - 168     | 0   | 20        |
| Bromomethane                | ND            |                  | 40.0        | 44.79      |               | ug/L |   | 112  | 58 - 175     | 9   | 22        |
| cis-1,2-Dichloroethene      | ND            |                  | 40.0        | 47.16      |               | ug/L |   | 118  | 53 - 156     | 0   | 20        |
| cis-1,3-Dichloropropene     | ND            |                  | 40.0        | 43.47      |               | ug/L |   | 109  | 65 - 142     | 4   | 20        |
| Carbon disulfide            | ND            |                  | 40.0        | 41.25      |               | ug/L |   | 103  | 48 - 149     | 0   | 25        |
| Carbon tetrachloride        | ND            |                  | 40.0        | 53.00      |               | ug/L |   | 132  | 46 - 167     | 0   | 29        |
| Chlorobenzene               | ND            |                  | 40.0        | 51.30      |               | ug/L |   | 128  | 62 - 143     | 0   | 20        |
| Chloroethane                | ND            |                  | 40.0        | 43.51      |               | ug/L |   | 109  | 65 - 162     | 0   | 20        |
| Chloroform                  | ND            |                  | 40.0        | 46.88      |               | ug/L |   | 117  | 62 - 145     | 0   | 20        |
| Chloromethane               | ND            |                  | 40.0        | 46.71      |               | ug/L |   | 117  | 21 - 171     | 6   | 20        |
| Dibromochloromethane        | ND            |                  | 40.0        | 53.79      |               | ug/L |   | 134  | 56 - 156     | 1   | 20        |
| Dibromomethane              | ND            |                  | 40.0        | 47.48      |               | ug/L |   | 119  | 69 - 142     | 7   | 20        |
| Dichlorodifluoromethane     | ND            |                  | 40.0        | 39.24      |               | ug/L |   | 98   | 38 - 159     | 2   | 21        |
| Ethylbenzene                | ND            |                  | 40.0        | 51.20      |               | ug/L |   | 128  | 59 - 145     | 1   | 23        |
| Isopropylbenzene            | ND            |                  | 40.0        | 50.76      |               | ug/L |   | 127  | 61 - 149     | 1   | 28        |
| Methylene Chloride          | ND            |                  | 40.0        | 40.35      |               | ug/L |   | 101  | 57 - 131     | 2   | 21        |
| Methyl-t-Butyl Ether (MTBE) | ND            |                  | 40.0        | 44.78      |               | ug/L |   | 112  | 62 - 125     | 1   | 20        |
| Naphthalene                 | ND            |                  | 40.0        | 43.01      |               | ug/L |   | 108  | 54 - 148     | 7   | 22        |
| n-Butylbenzene              | ND            |                  | 40.0        | 45.17      |               | ug/L |   | 113  | 57 - 150     | 5   | 30        |
| N-Propylbenzene             | ND            |                  | 40.0        | 50.76      |               | ug/L |   | 127  | 60 - 149     | 0   | 29        |
| o-Xylene                    | ND            |                  | 40.0        | 50.25      |               | ug/L |   | 126  | 61 - 150     | 1   | 20        |
| m,p-Xylene                  | ND            |                  | 80.0        | 101.5      |               | ug/L |   | 127  | 61 - 150     | 0   | 23        |
| p-Isopropyltoluene          | ND            |                  | 40.0        | 45.36      |               | ug/L |   | 113  | 55 - 153     | 1   | 28        |
| sec-Butylbenzene            | ND            |                  | 40.0        | 45.93      |               | ug/L |   | 115  | 57 - 148     | 2   | 31        |
| Styrene                     | ND            |                  | 40.0        | 47.92      |               | ug/L |   | 120  | 53 - 146     | 3   | 22        |
| trans-1,2-Dichloroethene    | ND            |                  | 40.0        | 46.49      |               | ug/L |   | 116  | 54 - 142     | 2   | 25        |
| trans-1,3-Dichloropropene   | ND            |                  | 40.0        | 45.99      |               | ug/L |   | 115  | 66 - 146     | 1   | 20        |
| tert-Butylbenzene           | ND            |                  | 40.0        | 47.28      |               | ug/L |   | 118  | 56 - 148     | 2   | 28        |
| Tetrachloroethene           | 2.4           |                  | 40.0        | 55.91      |               | ug/L |   | 134  | 52 - 156     | 0   | 26        |
| Toluene                     | ND            |                  | 40.0        | 49.89      |               | ug/L |   | 125  | 62 - 145     | 5   | 21        |
| Trichloroethene             | 120           |                  | 40.0        | 160.8      |               | ug/L |   | 107  | 35 - 163     | 5   | 21        |
| Trichlorofluoromethane      | ND            |                  | 40.0        | 41.38      |               | ug/L |   | 103  | 75 - 151     | 2   | 20        |
| Vinyl acetate               | ND            |                  | 40.0        | 44.65      |               | ug/L |   | 112  | 61 - 170     | 4   | 27        |
| Vinyl chloride              | ND            |                  | 40.0        | 45.18      |               | ug/L |   | 113  | 75 - 139     | 0   | 20        |

| Surrogate                    | MSD %Recovery | MSD Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 97            |               | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 100           |               | 71 - 120 |
| Dibromofluoromethane         | 98            |               | 80 - 120 |
| Toluene-d8 (Surr)            | 102           |               | 80 - 120 |

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-159313/16

Matrix: Water

Analysis Batch: 159313

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB Result | MB Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND        |              | 0.50 | 0.26  | ug/L |   |          | 06/24/21 00:05 | 1       |
| 1,1,1-Trichloroethane                 | ND        |              | 0.50 | 0.27  | ug/L |   |          | 06/24/21 00:05 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND        |              | 0.50 | 0.19  | ug/L |   |          | 06/24/21 00:05 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND        |              | 0.50 | 0.25  | ug/L |   |          | 06/24/21 00:05 | 1       |
| 1,1,2-Trichloroethane                 | ND        |              | 0.50 | 0.085 | ug/L |   |          | 06/24/21 00:05 | 1       |
| 1,1-Dichloroethane                    | ND        |              | 0.50 | 0.35  | ug/L |   |          | 06/24/21 00:05 | 1       |
| 1,1-Dichloroethene                    | ND        |              | 0.50 | 0.39  | ug/L |   |          | 06/24/21 00:05 | 1       |
| 1,1-Dichloropropene                   | ND        |              | 0.50 | 0.24  | ug/L |   |          | 06/24/21 00:05 | 1       |
| 1,2,3-Trichlorobenzene                | ND        |              | 0.50 | 0.28  | ug/L |   |          | 06/24/21 00:05 | 1       |
| 1,2,3-Trichloropropane                | ND        |              | 0.50 | 0.32  | ug/L |   |          | 06/24/21 00:05 | 1       |
| 1,2,4-Trichlorobenzene                | ND        |              | 0.50 | 0.38  | ug/L |   |          | 06/24/21 00:05 | 1       |
| 1,2,4-Trimethylbenzene                | ND        |              | 0.50 | 0.29  | ug/L |   |          | 06/24/21 00:05 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND        |              | 1.0  | 0.64  | ug/L |   |          | 06/24/21 00:05 | 1       |
| 1,2-Dibromoethane                     | ND        |              | 0.50 | 0.14  | ug/L |   |          | 06/24/21 00:05 | 1       |
| 1,2-Dichlorobenzene                   | ND        |              | 0.50 | 0.23  | ug/L |   |          | 06/24/21 00:05 | 1       |
| 1,2-Dichloroethane                    | ND        |              | 0.50 | 0.15  | ug/L |   |          | 06/24/21 00:05 | 1       |
| 1,2-Dichloropropane                   | ND        |              | 0.50 | 0.24  | ug/L |   |          | 06/24/21 00:05 | 1       |
| 1,3,5-Trimethylbenzene                | ND        |              | 0.50 | 0.28  | ug/L |   |          | 06/24/21 00:05 | 1       |
| 1,3-Dichlorobenzene                   | ND        |              | 0.50 | 0.26  | ug/L |   |          | 06/24/21 00:05 | 1       |
| 1,3-Dichloropropane                   | ND        |              | 0.50 | 0.20  | ug/L |   |          | 06/24/21 00:05 | 1       |
| 1,4-Dichlorobenzene                   | ND        |              | 0.50 | 0.22  | ug/L |   |          | 06/24/21 00:05 | 1       |
| 2,2-Dichloropropane                   | ND        |              | 0.50 | 0.40  | ug/L |   |          | 06/24/21 00:05 | 1       |
| 2-Butanone                            | ND        |              | 5.0  | 3.0   | ug/L |   |          | 06/24/21 00:05 | 1       |
| 2-Chlorotoluene                       | ND        |              | 0.50 | 0.31  | ug/L |   |          | 06/24/21 00:05 | 1       |
| 2-Hexanone                            | ND        |              | 6.0  | 4.3   | ug/L |   |          | 06/24/21 00:05 | 1       |
| 4-Chlorotoluene                       | ND        |              | 0.50 | 0.34  | ug/L |   |          | 06/24/21 00:05 | 1       |
| 4-Methyl-2-pentanone                  | ND        |              | 5.0  | 2.2   | ug/L |   |          | 06/24/21 00:05 | 1       |
| Acetone                               | ND        |              | 8.0  | 4.0   | ug/L |   |          | 06/24/21 00:05 | 1       |
| Benzene                               | ND        |              | 0.50 | 0.27  | ug/L |   |          | 06/24/21 00:05 | 1       |
| Bromobenzene                          | ND        |              | 0.50 | 0.26  | ug/L |   |          | 06/24/21 00:05 | 1       |
| Bromochloromethane                    | ND        |              | 1.0  | 0.35  | ug/L |   |          | 06/24/21 00:05 | 1       |
| Bromodichloromethane                  | ND        |              | 0.50 | 0.22  | ug/L |   |          | 06/24/21 00:05 | 1       |
| Bromoform                             | ND        |              | 0.50 | 0.39  | ug/L |   |          | 06/24/21 00:05 | 1       |
| Bromomethane                          | ND        |              | 1.0  | 0.93  | ug/L |   |          | 06/24/21 00:05 | 1       |
| cis-1,2-Dichloroethene                | ND        |              | 0.50 | 0.30  | ug/L |   |          | 06/24/21 00:05 | 1       |
| cis-1,3-Dichloropropene               | ND        |              | 0.50 | 0.19  | ug/L |   |          | 06/24/21 00:05 | 1       |
| Carbon disulfide                      | ND        |              | 1.0  | 0.24  | ug/L |   |          | 06/24/21 00:05 | 1       |
| Carbon tetrachloride                  | ND        |              | 0.50 | 0.27  | ug/L |   |          | 06/24/21 00:05 | 1       |
| Chlorobenzene                         | ND        |              | 0.50 | 0.24  | ug/L |   |          | 06/24/21 00:05 | 1       |
| Chloroethane                          | ND        |              | 0.50 | 0.44  | ug/L |   |          | 06/24/21 00:05 | 1       |
| Chloroform                            | ND        |              | 0.50 | 0.28  | ug/L |   |          | 06/24/21 00:05 | 1       |
| Chloromethane                         | ND        |              | 1.0  | 0.29  | ug/L |   |          | 06/24/21 00:05 | 1       |
| Dibromochloromethane                  | ND        |              | 0.50 | 0.27  | ug/L |   |          | 06/24/21 00:05 | 1       |
| Dibromomethane                        | ND        |              | 0.50 | 0.23  | ug/L |   |          | 06/24/21 00:05 | 1       |
| Dichlorodifluoromethane               | ND        |              | 1.0  | 0.68  | ug/L |   |          | 06/24/21 00:05 | 1       |
| Ethylbenzene                          | ND        |              | 0.50 | 0.36  | ug/L |   |          | 06/24/21 00:05 | 1       |
| Isopropylbenzene                      | ND        |              | 0.50 | 0.38  | ug/L |   |          | 06/24/21 00:05 | 1       |
| Methylene Chloride                    | ND        |              | 1.0  | 0.48  | ug/L |   |          | 06/24/21 00:05 | 1       |

Eurofins Calscience LLC



# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-159313/16

Matrix: Water

Analysis Batch: 159313

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|------|------|------|---|----------|----------------|---------|
| Methyl-t-Butyl Ether (MTBE) | ND        |              | 0.50 | 0.21 | ug/L |   |          | 06/24/21 00:05 | 1       |
| Naphthalene                 | ND        |              | 1.0  | 0.32 | ug/L |   |          | 06/24/21 00:05 | 1       |
| n-Butylbenzene              | ND        |              | 0.50 | 0.29 | ug/L |   |          | 06/24/21 00:05 | 1       |
| N-Propylbenzene             | ND        |              | 0.50 | 0.39 | ug/L |   |          | 06/24/21 00:05 | 1       |
| o-Xylene                    | ND        |              | 0.50 | 0.35 | ug/L |   |          | 06/24/21 00:05 | 1       |
| m,p-Xylene                  | ND        |              | 1.0  | 0.78 | ug/L |   |          | 06/24/21 00:05 | 1       |
| p-Isopropyltoluene          | ND        |              | 0.50 | 0.28 | ug/L |   |          | 06/24/21 00:05 | 1       |
| sec-Butylbenzene            | ND        |              | 0.50 | 0.34 | ug/L |   |          | 06/24/21 00:05 | 1       |
| Styrene                     | ND        |              | 0.50 | 0.28 | ug/L |   |          | 06/24/21 00:05 | 1       |
| trans-1,2-Dichloroethene    | ND        |              | 0.50 | 0.36 | ug/L |   |          | 06/24/21 00:05 | 1       |
| trans-1,3-Dichloropropene   | ND        |              | 0.50 | 0.17 | ug/L |   |          | 06/24/21 00:05 | 1       |
| tert-Butylbenzene           | ND        |              | 0.50 | 0.34 | ug/L |   |          | 06/24/21 00:05 | 1       |
| Tetrachloroethene           | ND        |              | 0.50 | 0.29 | ug/L |   |          | 06/24/21 00:05 | 1       |
| Toluene                     | ND        |              | 0.50 | 0.33 | ug/L |   |          | 06/24/21 00:05 | 1       |
| Trichloroethene             | ND        |              | 0.50 | 0.29 | ug/L |   |          | 06/24/21 00:05 | 1       |
| Trichlorofluoromethane      | ND        |              | 0.50 | 0.30 | ug/L |   |          | 06/24/21 00:05 | 1       |
| Vinyl acetate               | ND        |              | 5.0  | 3.1  | ug/L |   |          | 06/24/21 00:05 | 1       |
| Vinyl chloride              | ND        |              | 0.50 | 0.40 | ug/L |   |          | 06/24/21 00:05 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 96           |              | 68 - 135 |          | 06/24/21 00:05 | 1       |
| 4-Bromofluorobenzene (Surr)  | 101          |              | 71 - 120 |          | 06/24/21 00:05 | 1       |
| Dibromofluoromethane         | 101          |              | 80 - 120 |          | 06/24/21 00:05 | 1       |
| Toluene-d8 (Surr)            | 97           |              | 80 - 120 |          | 06/24/21 00:05 | 1       |

Lab Sample ID: LCS 570-159313/1012

Matrix: Water

Analysis Batch: 159313

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,1,1,2-Tetrachloroethane             | 10.0        | 9.827      |               | ug/L |   | 98   | 76 - 143     |
| 1,1,1-Trichloroethane                 | 10.0        | 9.658      |               | ug/L |   | 97   | 75 - 128     |
| 1,1,2,2-Tetrachloroethane             | 10.0        | 8.727      |               | ug/L |   | 87   | 73 - 126     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0        | 8.675      |               | ug/L |   | 87   | 50 - 120     |
| 1,1,2-Trichloroethane                 | 10.0        | 10.40      |               | ug/L |   | 104  | 80 - 120     |
| 1,1-Dichloroethane                    | 10.0        | 9.724      |               | ug/L |   | 97   | 76 - 120     |
| 1,1-Dichloroethene                    | 10.0        | 9.249      |               | ug/L |   | 92   | 72 - 120     |
| 1,1-Dichloropropene                   | 10.0        | 9.776      |               | ug/L |   | 98   | 76 - 120     |
| 1,2,3-Trichlorobenzene                | 10.0        | 9.465      |               | ug/L |   | 95   | 80 - 125     |
| 1,2,3-Trichloropropane                | 10.0        | 10.06      |               | ug/L |   | 101  | 66 - 131     |
| 1,2,4-Trichlorobenzene                | 10.0        | 9.637      |               | ug/L |   | 96   | 80 - 123     |
| 1,2,4-Trimethylbenzene                | 10.0        | 9.115      |               | ug/L |   | 91   | 78 - 125     |
| 1,2-Dibromo-3-Chloropropane           | 10.0        | 9.182      |               | ug/L |   | 92   | 77 - 120     |
| 1,2-Dibromoethane                     | 10.0        | 10.07      |               | ug/L |   | 101  | 80 - 120     |
| 1,2-Dichlorobenzene                   | 10.0        | 9.902      |               | ug/L |   | 99   | 79 - 123     |
| 1,2-Dichloroethane                    | 10.0        | 10.08      |               | ug/L |   | 101  | 71 - 137     |
| 1,2-Dichloropropane                   | 10.0        | 9.975      |               | ug/L |   | 100  | 80 - 120     |
| 1,3,5-Trimethylbenzene                | 10.0        | 10.67      |               | ug/L |   | 107  | 77 - 133     |

Eurofins Calscience LLC



# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-159313/1012

Matrix: Water

Analysis Batch: 159313

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,3-Dichlorobenzene         | 10.0        | 9.550      |               | ug/L |   | 96   | 79 - 123     |
| 1,3-Dichloropropane         | 10.0        | 10.26      |               | ug/L |   | 103  | 80 - 123     |
| 1,4-Dichlorobenzene         | 10.0        | 9.708      |               | ug/L |   | 97   | 75 - 123     |
| 2,2-Dichloropropane         | 10.0        | 8.932      |               | ug/L |   | 89   | 78 - 133     |
| 2-Butanone                  | 10.0        | 9.270      |               | ug/L |   | 93   | 32 - 133     |
| 2-Chlorotoluene             | 10.0        | 10.19      |               | ug/L |   | 102  | 80 - 120     |
| 2-Hexanone                  | 10.0        | 10.81      |               | ug/L |   | 108  | 57 - 127     |
| 4-Chlorotoluene             | 10.0        | 8.563      |               | ug/L |   | 86   | 78 - 120     |
| 4-Methyl-2-pentanone        | 10.0        | 10.12      |               | ug/L |   | 101  | 68 - 120     |
| Acetone                     | 10.0        | 10.20      |               | ug/L |   | 102  | 57 - 133     |
| Benzene                     | 10.0        | 9.981      |               | ug/L |   | 100  | 80 - 120     |
| Bromobenzene                | 10.0        | 10.04      |               | ug/L |   | 100  | 80 - 124     |
| Bromochloromethane          | 10.0        | 9.798      |               | ug/L |   | 98   | 76 - 125     |
| Bromodichloromethane        | 10.0        | 9.928      |               | ug/L |   | 99   | 77 - 141     |
| Bromoform                   | 10.0        | 8.085      |               | ug/L |   | 81   | 46 - 178     |
| Bromomethane                | 10.0        | 8.862      |               | ug/L |   | 89   | 52 - 162     |
| cis-1,2-Dichloroethene      | 10.0        | 9.895      |               | ug/L |   | 99   | 76 - 122     |
| cis-1,3-Dichloropropene     | 10.0        | 9.734      |               | ug/L |   | 97   | 80 - 122     |
| Carbon disulfide            | 10.0        | 9.544      |               | ug/L |   | 95   | 66 - 125     |
| Carbon tetrachloride        | 10.0        | 9.954      |               | ug/L |   | 100  | 69 - 145     |
| Chlorobenzene               | 10.0        | 9.794      |               | ug/L |   | 98   | 80 - 120     |
| Chloroethane                | 10.0        | 8.976      |               | ug/L |   | 90   | 73 - 139     |
| Chloroform                  | 10.0        | 9.727      |               | ug/L |   | 97   | 80 - 120     |
| Chloromethane               | 10.0        | 10.40      |               | ug/L |   | 104  | 35 - 159     |
| Dibromochloromethane        | 10.0        | 10.48      |               | ug/L |   | 105  | 63 - 151     |
| Dibromomethane              | 10.0        | 9.915      |               | ug/L |   | 99   | 80 - 121     |
| Dichlorodifluoromethane     | 10.0        | 8.770      |               | ug/L |   | 88   | 59 - 139     |
| Ethylbenzene                | 10.0        | 10.10      |               | ug/L |   | 101  | 80 - 120     |
| Isopropylbenzene            | 10.0        | 10.29      |               | ug/L |   | 103  | 80 - 124     |
| Methylene Chloride          | 10.0        | 9.602      |               | ug/L |   | 96   | 70 - 120     |
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 9.960      |               | ug/L |   | 100  | 72 - 120     |
| Naphthalene                 | 10.0        | 9.525      |               | ug/L |   | 95   | 75 - 120     |
| n-Butylbenzene              | 10.0        | 9.393      |               | ug/L |   | 94   | 76 - 124     |
| N-Propylbenzene             | 10.0        | 10.29      |               | ug/L |   | 103  | 80 - 122     |
| o-Xylene                    | 10.0        | 10.09      |               | ug/L |   | 101  | 80 - 122     |
| m,p-Xylene                  | 20.0        | 19.69      |               | ug/L |   | 98   | 80 - 122     |
| p-Isopropyltoluene          | 10.0        | 10.12      |               | ug/L |   | 101  | 77 - 127     |
| sec-Butylbenzene            | 10.0        | 9.498      |               | ug/L |   | 95   | 75 - 123     |
| Styrene                     | 10.0        | 10.24      |               | ug/L |   | 102  | 80 - 121     |
| trans-1,2-Dichloroethene    | 10.0        | 9.698      |               | ug/L |   | 97   | 67 - 123     |
| trans-1,3-Dichloropropene   | 10.0        | 10.70      |               | ug/L |   | 107  | 78 - 140     |
| tert-Butylbenzene           | 10.0        | 8.705      |               | ug/L |   | 87   | 72 - 128     |
| Tetrachloroethene           | 10.0        | 10.08      |               | ug/L |   | 101  | 80 - 128     |
| Toluene                     | 10.0        | 9.780      |               | ug/L |   | 98   | 80 - 120     |
| Trichloroethene             | 10.0        | 9.652      |               | ug/L |   | 97   | 80 - 123     |
| Trichlorofluoromethane      | 10.0        | 9.160      |               | ug/L |   | 92   | 64 - 168     |
| Vinyl acetate               | 10.0        | 8.900      |               | ug/L |   | 89   | 75 - 144     |
| Vinyl chloride              | 10.0        | 9.159      |               | ug/L |   | 92   | 74 - 130     |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-159313/1012

Matrix: Water

Analysis Batch: 159313

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

|                              | LCS       | LCS       |          |
|------------------------------|-----------|-----------|----------|
| Surrogate                    | %Recovery | Qualifier | Limits   |
| 1,2-Dichloroethane-d4 (Surr) | 98        |           | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 105       |           | 71 - 120 |
| Dibromofluoromethane         | 99        |           | 80 - 120 |
| Toluene-d8 (Surr)            | 101       |           | 80 - 120 |

Lab Sample ID: LCSD 570-159313/13

Matrix: Water

Analysis Batch: 159313

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane             | 10.0        | 10.06       |                | ug/L |   | 101  | 76 - 143     | 2   | 20        |
| 1,1,1-Trichloroethane                 | 10.0        | 10.35       |                | ug/L |   | 104  | 75 - 128     | 7   | 20        |
| 1,1,2,2-Tetrachloroethane             | 10.0        | 9.395       |                | ug/L |   | 94   | 73 - 126     | 7   | 21        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0        | 9.761       |                | ug/L |   | 98   | 50 - 120     | 12  | 20        |
| 1,1,2-Trichloroethane                 | 10.0        | 10.74       |                | ug/L |   | 107  | 80 - 120     | 3   | 20        |
| 1,1-Dichloroethane                    | 10.0        | 9.922       |                | ug/L |   | 99   | 76 - 120     | 2   | 20        |
| 1,1-Dichloroethene                    | 10.0        | 9.408       |                | ug/L |   | 94   | 72 - 120     | 2   | 20        |
| 1,1-Dichloropropene                   | 10.0        | 10.48       |                | ug/L |   | 105  | 76 - 120     | 7   | 20        |
| 1,2,3-Trichlorobenzene                | 10.0        | 10.37       |                | ug/L |   | 104  | 80 - 125     | 9   | 22        |
| 1,2,3-Trichloropropane                | 10.0        | 9.297       |                | ug/L |   | 93   | 66 - 131     | 8   | 20        |
| 1,2,4-Trichlorobenzene                | 10.0        | 10.37       |                | ug/L |   | 104  | 80 - 123     | 7   | 20        |
| 1,2,4-Trimethylbenzene                | 10.0        | 10.73       |                | ug/L |   | 107  | 78 - 125     | 16  | 22        |
| 1,2-Dibromo-3-Chloropropane           | 10.0        | 9.316       |                | ug/L |   | 93   | 77 - 120     | 1   | 21        |
| 1,2-Dibromoethane                     | 10.0        | 9.603       |                | ug/L |   | 96   | 80 - 120     | 5   | 20        |
| 1,2-Dichlorobenzene                   | 10.0        | 10.14       |                | ug/L |   | 101  | 79 - 123     | 2   | 20        |
| 1,2-Dichloroethane                    | 10.0        | 9.193       |                | ug/L |   | 92   | 71 - 137     | 9   | 20        |
| 1,2-Dichloropropane                   | 10.0        | 9.651       |                | ug/L |   | 97   | 80 - 120     | 3   | 20        |
| 1,3,5-Trimethylbenzene                | 10.0        | 11.02       |                | ug/L |   | 110  | 77 - 133     | 3   | 20        |
| 1,3-Dichlorobenzene                   | 10.0        | 10.34       |                | ug/L |   | 103  | 79 - 123     | 8   | 20        |
| 1,3-Dichloropropane                   | 10.0        | 10.50       |                | ug/L |   | 105  | 80 - 123     | 2   | 20        |
| 1,4-Dichlorobenzene                   | 10.0        | 10.30       |                | ug/L |   | 103  | 75 - 123     | 6   | 22        |
| 2,2-Dichloropropane                   | 10.0        | 8.958       |                | ug/L |   | 90   | 78 - 133     | 0   | 20        |
| 2-Butanone                            | 10.0        | 13.64       | *+ *1 me       | ug/L |   | 136  | 32 - 133     | 38  | 26        |
| 2-Chlorotoluene                       | 10.0        | 10.66       |                | ug/L |   | 107  | 80 - 120     | 4   | 20        |
| 2-Hexanone                            | 10.0        | 8.368       | *1             | ug/L |   | 84   | 57 - 127     | 25  | 21        |
| 4-Chlorotoluene                       | 10.0        | 10.25       |                | ug/L |   | 102  | 78 - 120     | 18  | 21        |
| 4-Methyl-2-pentanone                  | 10.0        | 7.540       | *1             | ug/L |   | 75   | 68 - 120     | 29  | 20        |
| Acetone                               | 10.0        | 8.599       |                | ug/L |   | 86   | 57 - 133     | 17  | 28        |
| Benzene                               | 10.0        | 10.18       |                | ug/L |   | 102  | 80 - 120     | 2   | 20        |
| Bromobenzene                          | 10.0        | 9.910       |                | ug/L |   | 99   | 80 - 124     | 1   | 20        |
| Bromochloromethane                    | 10.0        | 10.03       |                | ug/L |   | 100  | 76 - 125     | 2   | 20        |
| Bromodichloromethane                  | 10.0        | 9.614       |                | ug/L |   | 96   | 77 - 141     | 3   | 20        |
| Bromoform                             | 10.0        | 9.115       |                | ug/L |   | 91   | 46 - 178     | 12  | 23        |
| Bromomethane                          | 10.0        | 9.074       |                | ug/L |   | 91   | 52 - 162     | 2   | 20        |
| cis-1,2-Dichloroethene                | 10.0        | 10.16       |                | ug/L |   | 102  | 76 - 122     | 3   | 20        |
| cis-1,3-Dichloropropene               | 10.0        | 9.071       |                | ug/L |   | 91   | 80 - 122     | 7   | 20        |
| Carbon disulfide                      | 10.0        | 10.32       |                | ug/L |   | 103  | 66 - 125     | 8   | 20        |
| Carbon tetrachloride                  | 10.0        | 10.44       |                | ug/L |   | 104  | 69 - 145     | 5   | 20        |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-159313/13

Matrix: Water

Analysis Batch: 159313

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                     | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Chlorobenzene               | 10.0        | 10.24       |                | ug/L |   | 102  | 80 - 120     | 4   | 20        |
| Chloroethane                | 10.0        | 8.792       |                | ug/L |   | 88   | 73 - 139     | 2   | 20        |
| Chloroform                  | 10.0        | 10.09       |                | ug/L |   | 101  | 80 - 120     | 4   | 20        |
| Chloromethane               | 10.0        | 8.500       |                | ug/L |   | 85   | 35 - 159     | 20  | 20        |
| Dibromochloromethane        | 10.0        | 10.10       |                | ug/L |   | 101  | 63 - 151     | 4   | 20        |
| Dibromomethane              | 10.0        | 9.093       |                | ug/L |   | 91   | 80 - 121     | 9   | 20        |
| Dichlorodifluoromethane     | 10.0        | 8.466       |                | ug/L |   | 85   | 59 - 139     | 4   | 20        |
| Ethylbenzene                | 10.0        | 10.52       |                | ug/L |   | 105  | 80 - 120     | 4   | 20        |
| Isopropylbenzene            | 10.0        | 10.81       |                | ug/L |   | 108  | 80 - 124     | 5   | 20        |
| Methylene Chloride          | 10.0        | 9.821       |                | ug/L |   | 98   | 70 - 120     | 2   | 20        |
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 8.881       |                | ug/L |   | 89   | 72 - 120     | 11  | 20        |
| Naphthalene                 | 10.0        | 9.936       |                | ug/L |   | 99   | 75 - 120     | 4   | 22        |
| n-Butylbenzene              | 10.0        | 10.90       |                | ug/L |   | 109  | 76 - 124     | 15  | 23        |
| N-Propylbenzene             | 10.0        | 10.80       |                | ug/L |   | 108  | 80 - 122     | 5   | 20        |
| o-Xylene                    | 10.0        | 10.45       |                | ug/L |   | 104  | 80 - 122     | 3   | 20        |
| m,p-Xylene                  | 20.0        | 20.74       |                | ug/L |   | 104  | 80 - 122     | 5   | 20        |
| p-Isopropyltoluene          | 10.0        | 11.23       |                | ug/L |   | 112  | 77 - 127     | 10  | 21        |
| sec-Butylbenzene            | 10.0        | 10.81       |                | ug/L |   | 108  | 75 - 123     | 13  | 21        |
| Styrene                     | 10.0        | 10.26       |                | ug/L |   | 103  | 80 - 121     | 0   | 20        |
| trans-1,2-Dichloroethene    | 10.0        | 10.48       |                | ug/L |   | 105  | 67 - 123     | 8   | 20        |
| trans-1,3-Dichloropropene   | 10.0        | 10.99       |                | ug/L |   | 110  | 78 - 140     | 3   | 20        |
| tert-Butylbenzene           | 10.0        | 10.45       |                | ug/L |   | 105  | 72 - 128     | 18  | 22        |
| Tetrachloroethene           | 10.0        | 11.52       |                | ug/L |   | 115  | 80 - 128     | 13  | 20        |
| Toluene                     | 10.0        | 9.566       |                | ug/L |   | 96   | 80 - 120     | 2   | 20        |
| Trichloroethene             | 10.0        | 10.30       |                | ug/L |   | 103  | 80 - 123     | 7   | 20        |
| Trichlorofluoromethane      | 10.0        | 9.656       |                | ug/L |   | 97   | 64 - 168     | 5   | 20        |
| Vinyl acetate               | 10.0        | 7.485       |                | ug/L |   | 75   | 75 - 144     | 17  | 25        |
| Vinyl chloride              | 10.0        | 8.903       |                | ug/L |   | 89   | 74 - 130     | 3   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 89             |                | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 102            |                | 71 - 120 |
| Dibromofluoromethane         | 99             |                | 80 - 120 |
| Toluene-d8 (Surr)            | 95             |                | 80 - 120 |

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 570-157564/1-A

Matrix: Water

Analysis Batch: 157947

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 157564

| Analyte          | MB Result    | MB Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|--------------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND           |              | 0.50     | 0.34 | ug/L |   | 06/16/21 07:37 | 06/17/21 13:20 | 1       |
| Isotope Dilution | MB %Recovery | MB Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 33           |              | 15 - 150 |      |      |   | 06/16/21 07:37 | 06/17/21 13:20 | 1       |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Lab Sample ID: MB 570-157564/1-A  
Matrix: Water  
Analysis Batch: 157947

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 157564

| Surrogate       | MB  | MB | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------|-----|----|----------|----------------|----------------|---------|
| Nitrobenzene-d5 | 118 |    | 46 - 128 | 06/16/21 07:37 | 06/17/21 13:20 | 1       |

Lab Sample ID: LCS 570-157564/2-A  
Matrix: Water  
Analysis Batch: 157760

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 157564

| Analyte          | Spike Added | LCS Result    | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------|-------------|---------------|---------------|------|---|------|--------------|
| 1,4-Dioxane      | 20.0        | 22.48         |               | ug/L |   | 112  | 57 - 136     |
| Isotope Dilution | %Recovery   | LCS Qualifier | Limits        |      |   |      |              |
| 1,4-Dioxane-d8   | 40          |               | 15 - 150      |      |   |      |              |
| Surrogate        | %Recovery   | LCS Qualifier | Limits        |      |   |      |              |
| Nitrobenzene-d5  | 123         |               | 46 - 128      |      |   |      |              |

Lab Sample ID: LCSD 570-157564/3-A  
Matrix: Water  
Analysis Batch: 157760

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 157564

| Analyte          | Spike Added | LCSD Result    | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|------------------|-------------|----------------|----------------|------|---|------|--------------|-----|-----------|
| 1,4-Dioxane      | 20.0        | 24.08          |                | ug/L |   | 120  | 57 - 136     | 7   | 20        |
| Isotope Dilution | %Recovery   | LCSD Qualifier | Limits         |      |   |      |              |     |           |
| 1,4-Dioxane-d8   | 46          |                | 15 - 150       |      |   |      |              |     |           |
| Surrogate        | %Recovery   | LCSD Qualifier | Limits         |      |   |      |              |     |           |
| Nitrobenzene-d5  | 115         |                | 46 - 128       |      |   |      |              |     |           |

Lab Sample ID: 570-61641-3 MS  
Matrix: Water  
Analysis Batch: 157760

Client Sample ID: HEW-03  
Prep Type: Total/NA  
Prep Batch: 157564

| Analyte          | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,4-Dioxane      | 1.4           |                  | 20.0        | 23.20     |              | ug/L |   | 109  | 45 - 139     |
| Isotope Dilution | %Recovery     | MS Qualifier     | Limits      |           |              |      |   |      |              |
| 1,4-Dioxane-d8   | 36            |                  | 15 - 150    |           |              |      |   |      |              |
| Surrogate        | %Recovery     | MS Qualifier     | Limits      |           |              |      |   |      |              |
| Nitrobenzene-d5  | 120           |                  | 46 - 128    |           |              |      |   |      |              |

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Lab Sample ID: 570-61641-3 MSD

Matrix: Water

Analysis Batch: 157760

Client Sample ID: HEW-03

Prep Type: Total/NA

Prep Batch: 157564

| Analyte                 | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|-------------------------|------------------|---------------------|----------------|---------------|------------------|------|---|------|-----------------|-----|--------------|
| 1,4-Dioxane             | 1.4              |                     | 20.0           | 24.53         |                  | ug/L |   | 116  | 45 - 139        | 6   | 17           |
|                         | <b>MSD</b>       | <b>MSD</b>          |                |               |                  |      |   |      |                 |     |              |
| <b>Isotope Dilution</b> | <b>%Recovery</b> | <b>Qualifier</b>    | <b>Limits</b>  |               |                  |      |   |      |                 |     |              |
| 1,4-Dioxane-d8          | 40               |                     | 15 - 150       |               |                  |      |   |      |                 |     |              |
|                         | <b>MSD</b>       | <b>MSD</b>          |                |               |                  |      |   |      |                 |     |              |
| <b>Surrogate</b>        | <b>%Recovery</b> | <b>Qualifier</b>    | <b>Limits</b>  |               |                  |      |   |      |                 |     |              |
| Nitrobenzene-d5         | 119              |                     | 46 - 128       |               |                  |      |   |      |                 |     |              |

# Marginal Exceedance (ME) Summary

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LCSD 570-159313/13

Matrix: Water

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike Added | LCSD Result | LCSD Qualifier | Unit | %Rec | %Rec. Limits | ME %Rec. Limits | Marginal Exceedance Status |
|---------------------------------------|-------------|-------------|----------------|------|------|--------------|-----------------|----------------------------|
| 1,1,1,2-Tetrachloroethane             | 10.0        | 10.06       |                | ug/L | 101  | 76 - 143     | 65 - 154        |                            |
| 1,1,1-Trichloroethane                 | 10.0        | 10.35       |                | ug/L | 104  | 75 - 128     | 66 - 137        |                            |
| 1,1,2,2-Tetrachloroethane             | 10.0        | 9.395       |                | ug/L | 94   | 73 - 126     | 64 - 135        |                            |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0        | 9.761       |                | ug/L | 98   | 50 - 120     | 38 - 132        |                            |
| 1,1,2-Trichloroethane                 | 10.0        | 10.74       |                | ug/L | 107  | 80 - 120     | 73 - 127        |                            |
| 1,1-Dichloroethane                    | 10.0        | 9.922       |                | ug/L | 99   | 76 - 120     | 69 - 127        |                            |
| 1,1-Dichloroethene                    | 10.0        | 9.408       |                | ug/L | 94   | 72 - 120     | 64 - 128        |                            |
| 1,1-Dichloropropene                   | 10.0        | 10.48       |                | ug/L | 105  | 76 - 120     | 69 - 127        |                            |
| 1,2,3-Trichlorobenzene                | 10.0        | 10.37       |                | ug/L | 104  | 80 - 125     | 73 - 133        |                            |
| 1,2,3-Trichloropropane                | 10.0        | 9.297       |                | ug/L | 93   | 66 - 131     | 55 - 142        |                            |
| 1,2,4-Trichlorobenzene                | 10.0        | 10.37       |                | ug/L | 104  | 80 - 123     | 73 - 130        |                            |
| 1,2,4-Trimethylbenzene                | 10.0        | 10.73       |                | ug/L | 107  | 78 - 125     | 70 - 133        |                            |
| 1,2-Dibromo-3-Chloropropane           | 10.0        | 9.316       |                | ug/L | 93   | 77 - 120     | 70 - 127        |                            |
| 1,2-Dibromoethane                     | 10.0        | 9.603       |                | ug/L | 96   | 80 - 120     | 73 - 127        |                            |
| 1,2-Dichlorobenzene                   | 10.0        | 10.14       |                | ug/L | 101  | 79 - 123     | 72 - 130        |                            |
| 1,2-Dichloroethane                    | 10.0        | 9.193       |                | ug/L | 92   | 71 - 137     | 60 - 148        |                            |
| 1,2-Dichloropropane                   | 10.0        | 9.651       |                | ug/L | 97   | 80 - 120     | 73 - 127        |                            |
| 1,3,5-Trimethylbenzene                | 10.0        | 11.02       |                | ug/L | 110  | 77 - 133     | 68 - 142        |                            |
| 1,3-Dichlorobenzene                   | 10.0        | 10.34       |                | ug/L | 103  | 79 - 123     | 72 - 130        |                            |
| 1,3-Dichloropropane                   | 10.0        | 10.50       |                | ug/L | 105  | 80 - 123     | 73 - 130        |                            |
| 1,4-Dichlorobenzene                   | 10.0        | 10.30       |                | ug/L | 103  | 75 - 123     | 67 - 131        |                            |
| 2,2-Dichloropropane                   | 10.0        | 8.958       |                | ug/L | 90   | 78 - 133     | 69 - 142        |                            |
| 2-Butanone                            | 10.0        | 13.64       | *+ *1 me       | ug/L | 136  | 32 - 133     | 15 - 150        | ME                         |
| 2-Chlorotoluene                       | 10.0        | 10.66       |                | ug/L | 107  | 80 - 120     | 73 - 127        |                            |
| 2-Hexanone                            | 10.0        | 8.368       | *1             | ug/L | 84   | 57 - 127     | 45 - 139        |                            |
| 4-Chlorotoluene                       | 10.0        | 10.25       |                | ug/L | 102  | 78 - 120     | 71 - 127        |                            |
| 4-Methyl-2-pentanone                  | 10.0        | 7.540       | *1             | ug/L | 75   | 68 - 120     | 59 - 129        |                            |
| Acetone                               | 10.0        | 8.599       |                | ug/L | 86   | 57 - 133     | 44 - 146        |                            |
| Benzene                               | 10.0        | 10.18       |                | ug/L | 102  | 80 - 120     | 73 - 127        |                            |
| Bromobenzene                          | 10.0        | 9.910       |                | ug/L | 99   | 80 - 124     | 73 - 131        |                            |
| Bromochloromethane                    | 10.0        | 10.03       |                | ug/L | 100  | 76 - 125     | 68 - 133        |                            |
| Bromodichloromethane                  | 10.0        | 9.614       |                | ug/L | 96   | 77 - 141     | 66 - 152        |                            |
| Bromoform                             | 10.0        | 9.115       |                | ug/L | 91   | 46 - 178     | 24 - 200        |                            |
| Bromomethane                          | 10.0        | 9.074       |                | ug/L | 91   | 52 - 162     | 34 - 180        |                            |
| cis-1,2-Dichloroethene                | 10.0        | 10.16       |                | ug/L | 102  | 76 - 122     | 68 - 130        |                            |
| cis-1,3-Dichloropropene               | 10.0        | 9.071       |                | ug/L | 91   | 80 - 122     | 73 - 129        |                            |
| Carbon disulfide                      | 10.0        | 10.32       |                | ug/L | 103  | 66 - 125     | 56 - 135        |                            |
| Carbon tetrachloride                  | 10.0        | 10.44       |                | ug/L | 104  | 69 - 145     | 56 - 158        |                            |
| Chlorobenzene                         | 10.0        | 10.24       |                | ug/L | 102  | 80 - 120     | 73 - 127        |                            |
| Chloroethane                          | 10.0        | 8.792       |                | ug/L | 88   | 73 - 139     | 62 - 150        |                            |
| Chloroform                            | 10.0        | 10.09       |                | ug/L | 101  | 80 - 120     | 73 - 127        |                            |
| Chloromethane                         | 10.0        | 8.500       |                | ug/L | 85   | 35 - 159     | 14 - 180        |                            |
| Dibromochloromethane                  | 10.0        | 10.10       |                | ug/L | 101  | 63 - 151     | 48 - 166        |                            |
| Dibromomethane                        | 10.0        | 9.093       |                | ug/L | 91   | 80 - 121     | 73 - 128        |                            |
| Dichlorodifluoromethane               | 10.0        | 8.466       |                | ug/L | 85   | 59 - 139     | 46 - 152        |                            |
| Ethylbenzene                          | 10.0        | 10.52       |                | ug/L | 105  | 80 - 120     | 73 - 127        |                            |
| Isopropylbenzene                      | 10.0        | 10.81       |                | ug/L | 108  | 80 - 124     | 73 - 131        |                            |
| Methylene Chloride                    | 10.0        | 9.821       |                | ug/L | 98   | 70 - 120     | 62 - 128        |                            |
| Methyl-t-Butyl Ether (MTBE)           | 10.0        | 8.881       |                | ug/L | 89   | 72 - 120     | 64 - 128        |                            |

Eurofins Calscience LLC

# Marginal Exceedance (ME) Summary

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-159313/13

Matrix: Water

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | %Rec | %Rec. Limits | ME %Rec. Limits | Marginal Exceedance Status |
|---------------------------|-------------|-------------|----------------|------|------|--------------|-----------------|----------------------------|
| Naphthalene               | 10.0        | 9.936       |                | ug/L | 99   | 75 - 120     | 68 - 128        |                            |
| n-Butylbenzene            | 10.0        | 10.90       |                | ug/L | 109  | 76 - 124     | 68 - 132        |                            |
| N-Propylbenzene           | 10.0        | 10.80       |                | ug/L | 108  | 80 - 122     | 73 - 129        |                            |
| o-Xylene                  | 10.0        | 10.45       |                | ug/L | 104  | 80 - 122     | 73 - 129        |                            |
| m,p-Xylene                | 20.0        | 20.74       |                | ug/L | 104  | 80 - 122     | 73 - 129        |                            |
| p-Isopropyltoluene        | 10.0        | 11.23       |                | ug/L | 112  | 77 - 127     | 69 - 135        |                            |
| sec-Butylbenzene          | 10.0        | 10.81       |                | ug/L | 108  | 75 - 123     | 67 - 131        |                            |
| Styrene                   | 10.0        | 10.26       |                | ug/L | 103  | 80 - 121     | 73 - 128        |                            |
| trans-1,2-Dichloroethene  | 10.0        | 10.48       |                | ug/L | 105  | 67 - 123     | 58 - 132        |                            |
| trans-1,3-Dichloropropene | 10.0        | 10.99       |                | ug/L | 110  | 78 - 140     | 68 - 150        |                            |
| tert-Butylbenzene         | 10.0        | 10.45       |                | ug/L | 105  | 72 - 128     | 63 - 137        |                            |
| Tetrachloroethene         | 10.0        | 11.52       |                | ug/L | 115  | 80 - 128     | 72 - 136        |                            |
| Toluene                   | 10.0        | 9.566       |                | ug/L | 96   | 80 - 120     | 73 - 127        |                            |
| Trichloroethene           | 10.0        | 10.30       |                | ug/L | 103  | 80 - 123     | 73 - 130        |                            |
| Trichlorofluoromethane    | 10.0        | 9.656       |                | ug/L | 97   | 64 - 168     | 47 - 185        |                            |
| Vinyl acetate             | 10.0        | 7.485       |                | ug/L | 75   | 75 - 144     | 64 - 156        |                            |
| Vinyl chloride            | 10.0        | 8.903       |                | ug/L | 89   | 74 - 130     | 65 - 139        |                            |

### Summary

| Number of Analytes Reported | Number of Marginal Exceedances Allowed | Number of Marginal Exceedances Found |
|-----------------------------|----------------------------------------|--------------------------------------|
| 66                          | 3                                      | 1                                    |

ME = Marginal Exceedance

# QC Association Summary

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

## GC/MS VOA

### Analysis Batch: 158839

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 570-61641-1       | TB-06102021            | Total/NA  | Water  | 8260B  |            |
| 570-61641-3       | HEW-03                 | Total/NA  | Water  | 8260B  |            |
| 570-61641-4       | HEW-02                 | Total/NA  | Water  | 8260B  |            |
| 570-61641-5       | UAX-02                 | Total/NA  | Water  | 8260B  |            |
| MB 570-158839/8   | Method Blank           | Total/NA  | Water  | 8260B  |            |
| LCS 570-158839/4  | Lab Control Sample     | Total/NA  | Water  | 8260B  |            |
| LCSD 570-158839/5 | Lab Control Sample Dup | Total/NA  | Water  | 8260B  |            |
| 570-61641-3 MS    | HEW-03                 | Total/NA  | Water  | 8260B  |            |
| 570-61641-3 MSD   | HEW-03                 | Total/NA  | Water  | 8260B  |            |

### Analysis Batch: 159313

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 570-61641-2         | HEW-05                 | Total/NA  | Water  | 8260B  |            |
| MB 570-159313/16    | Method Blank           | Total/NA  | Water  | 8260B  |            |
| LCS 570-159313/1012 | Lab Control Sample     | Total/NA  | Water  | 8260B  |            |
| LCSD 570-159313/13  | Lab Control Sample Dup | Total/NA  | Water  | 8260B  |            |

## GC/MS Semi VOA

### Prep Batch: 157564

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 570-61641-2         | HEW-05                 | Total/NA  | Water  | 3510C  |            |
| 570-61641-3         | HEW-03                 | Total/NA  | Water  | 3510C  |            |
| 570-61641-4 - RA    | HEW-02                 | Total/NA  | Water  | 3510C  |            |
| 570-61641-5         | UAX-02                 | Total/NA  | Water  | 3510C  |            |
| MB 570-157564/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |
| LCS 570-157564/2-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 570-157564/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |
| 570-61641-3 MS      | HEW-03                 | Total/NA  | Water  | 3510C  |            |
| 570-61641-3 MSD     | HEW-03                 | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 157760

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method       | Prep Batch |
|---------------------|------------------------|-----------|--------|--------------|------------|
| 570-61641-2         | HEW-05                 | Total/NA  | Water  | 8270C SIM ID | 157564     |
| 570-61641-3         | HEW-03                 | Total/NA  | Water  | 8270C SIM ID | 157564     |
| LCS 570-157564/2-A  | Lab Control Sample     | Total/NA  | Water  | 8270C SIM ID | 157564     |
| LCSD 570-157564/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8270C SIM ID | 157564     |
| 570-61641-3 MS      | HEW-03                 | Total/NA  | Water  | 8270C SIM ID | 157564     |
| 570-61641-3 MSD     | HEW-03                 | Total/NA  | Water  | 8270C SIM ID | 157564     |

### Analysis Batch: 157947

| Lab Sample ID     | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|-------------------|------------------|-----------|--------|--------------|------------|
| 570-61641-5       | UAX-02           | Total/NA  | Water  | 8270C SIM ID | 157564     |
| MB 570-157564/1-A | Method Blank     | Total/NA  | Water  | 8270C SIM ID | 157564     |

### Analysis Batch: 158043

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|------------------|------------------|-----------|--------|--------------|------------|
| 570-61641-4 - RA | HEW-02           | Total/NA  | Water  | 8270C SIM ID | 157564     |



# Lab Chronicle

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

**Client Sample ID: TB-06102021**

**Lab Sample ID: 570-61641-1**

**Date Collected: 06/10/21 08:00**

**Matrix: Water**

**Date Received: 06/11/21 19:10**

| Prep Type            | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA             | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 158839       | 06/22/21 13:09       | UJHB    | ECL 2 |
| Instrument ID: GCMSL |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: HEW-05**

**Lab Sample ID: 570-61641-2**

**Date Collected: 06/10/21 08:25**

**Matrix: Water**

**Date Received: 06/11/21 19:10**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 2          | 20 mL          | 20 mL        | 159313       | 06/24/21 03:18       | UX77    | ECL 2 |
| Instrument ID: GCMSRR  |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 157564       | 06/16/21 07:37       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 157760       | 06/17/21 04:49       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: HEW-03**

**Lab Sample ID: 570-61641-3**

**Date Collected: 06/10/21 08:45**

**Matrix: Water**

**Date Received: 06/11/21 19:10**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 4          | 20 mL          | 20 mL        | 158839       | 06/22/21 14:30       | UJHB    | ECL 2 |
| Instrument ID: GCMSL   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 157564       | 06/16/21 07:37       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 157760       | 06/17/21 04:34       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: HEW-02**

**Lab Sample ID: 570-61641-4**

**Date Collected: 06/10/21 09:15**

**Matrix: Water**

**Date Received: 06/11/21 19:10**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 4          | 20 mL          | 20 mL        | 158839       | 06/22/21 15:25       | UJHB    | ECL 2 |
| Instrument ID: GCMSL   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        | RA  |            | 100.0 mL       | 10 mL        | 157564       | 06/16/21 07:37       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID | RA  | 1          |                |              | 158043       | 06/18/21 08:36       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UAX-02**

**Lab Sample ID: 570-61641-5**

**Date Collected: 06/10/21 09:30**

**Matrix: Water**

**Date Received: 06/11/21 19:10**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 158839       | 06/22/21 15:52       | UJHB    | ECL 2 |
| Instrument ID: GCMSL   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 157564       | 06/16/21 07:37       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 157947       | 06/17/21 16:15       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

Eurofins Calscience LLC

# Lab Chronicle

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

**Laboratory References:**

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494  
ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

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Accreditation/Certification Summary

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

Laboratory: Eurofins Calscience LLC

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Oregon    | NELAP   | CA300001              | 01-30-22        |

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# Method Summary

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

| Method       | Method Description                                            | Protocol | Laboratory |
|--------------|---------------------------------------------------------------|----------|------------|
| 8260B        | Volatile Organic Compounds (GC/MS)                            | SW846    | ECL 2      |
| 8270C SIM ID | Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) | SW846    | ECL 1      |
| 3510C        | Liquid-Liquid Extraction (Separatory Funnel)                  | SW846    | ECL 1      |
| 5030C        | Purge and Trap                                                | SW846    | ECL 2      |

## Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

## Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

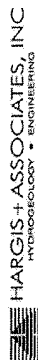
## Sample Summary

Client: Hargis + Associates, Inc.  
Project/Site: Bldg 684 Raytheon / 764.10

Job ID: 570-61641-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 570-61641-1   | TB-06102021      | Water  | 06/10/21 08:00 | 06/11/21 19:10 |          |
| 570-61641-2   | HEW-05           | Water  | 06/10/21 08:25 | 06/11/21 19:10 |          |
| 570-61641-3   | HEW-03           | Water  | 06/10/21 08:45 | 06/11/21 19:10 |          |
| 570-61641-4   | HEW-02           | Water  | 06/10/21 09:15 | 06/11/21 19:10 |          |
| 570-61641-5   | UAX-02           | Water  | 06/10/21 09:30 | 06/11/21 19:10 |          |

61641



PROJECT Building 684 - Raytheon  
TASK NO 764 10

Project Manager Steve Netto  
QA Manager Andrew Donnelly  
Phone 858-455-6500

Date 06/02/21  
Page 1 of 1

| Project                                  | Sampled By | SAMPLE COLLECTION |             | MATRIX   | PRESERVATION | CONTAINERS  | ANALYSIS REQUESTED |                         | ESTIMATED CONCENTRATION |                         |              |                   | SPECIAL HANDLING        | REMARKS | Laboratory |           |        |              |   |   |   |
|------------------------------------------|------------|-------------------|-------------|----------|--------------|-------------|--------------------|-------------------------|-------------------------|-------------------------|--------------|-------------------|-------------------------|---------|------------|-----------|--------|--------------|---|---|---|
|                                          |            | LAB ID            | SAMPLE ID   |          |              |             | Date               | Time                    | VOCs by EPA 8260B       | 1,4-Dioxane by 8270 MOD | 0-10         | 10-100            |                         |         |            | 100-1,000 | >1,000 |              |   |   |   |
| BCI Fullerton<br>764 10                  |            | 1                 | TR-06102021 | 06-10-21 | 0800         | Groundwater | Lab prepared water | Hydrochloric Acid (HCl) | Ice                     | 40-ml VOA               | 500 mL Amber | VOCs by EPA 8260B | 1,4-Dioxane by 8270 MOD | 0-10    | 10-100     | 100-1,000 | >1,000 | Standard TAT |   |   |   |
|                                          |            | 2                 | HEW-05      | ↓        | ↓            | ↓           | ↓                  | ↓                       | ↓                       | ↓                       | ↓            | ↓                 | ↓                       | ↓       | ↓          | ↓         | ↓      | ↓            | ↓ | ↓ | ↓ |
|                                          |            | 3                 | HEW-03      | ↓        | ↓            | ↓           | ↓                  | ↓                       | ↓                       | ↓                       | ↓            | ↓                 | ↓                       | ↓       | ↓          | ↓         | ↓      | ↓            | ↓ | ↓ | ↓ |
|                                          |            | 4                 | HEW-02      | ↓        | ↓            | ↓           | ↓                  | ↓                       | ↓                       | ↓                       | ↓            | ↓                 | ↓                       | ↓       | ↓          | ↓         | ↓      | ↓            | ↓ | ↓ | ↓ |
|                                          |            | 5                 | UAT-02      | ↓        | ↓            | ↓           | ↓                  | ↓                       | ↓                       | ↓                       | ↓            | ↓                 | ↓                       | ↓       | ↓          | ↓         | ↓      | ↓            | ↓ | ↓ | ↓ |
| Total number of containers per analysis. |            |                   |             |          |              |             |                    |                         |                         |                         |              |                   |                         |         |            |           |        |              |   |   |   |

Comments Report "J" Flags

Geotracker ID T0605900143, Log Code HARG

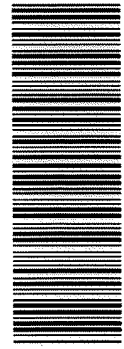
Field Point ID = QCTB for Trip Blanks ("TB-"), QCRB for Equipment Rinsate Blanks (RB-), all other samples Field Point ID = Sample ID

| Relinquished By / Company | Date / Time | Received By / Company | Date / Time |
|---------------------------|-------------|-----------------------|-------------|
| Steve Netto / H+A         | 6/1/21 1449 | Steve Netto           | 6/1/21 1449 |
| Relinquished By / Company | Date / Time | Received By / Company | Date / Time |
| Steve Netto               | 6/1/21 1910 | Steve Netto           | 6/1/21 1910 |

Send Results to  
Steve Netto  
9171 Towne Centre Dr  
Suite 375  
San Diego, CA 92122  
Ph 858-455-6500  
snetto@hargis.com

No of containers correct  
Received in good condition  
Custody seals secure  
Conforms to COC document

2.4/2.8 5.55  
Temperature on receipt



570-61641 Chain of Custody

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

## Login Sample Receipt Checklist

Client: Hargis + Associates, Inc.

Job Number: 570-61641-1

**Login Number: 61641**

**List Source: Eurofins Calscience LLC**

**List Number: 1**

**Creator: Patel, Jayesh**

| Question                                                                                 | Answer | Comment |
|------------------------------------------------------------------------------------------|--------|---------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.      | 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 $<6\text{mm}$ (1/4"). | True   |         |
| Multiphasic samples are not present.                                                     | True   |         |
| Samples do not require splitting or compositing.                                         | True   |         |
| Residual Chlorine Checked.                                                               | N/A    |         |

## ANALYTICAL REPORT

Eurofins Calscience LLC  
7440 Lincoln Way  
Garden Grove, CA 92841  
Tel: (714)895-5494

Laboratory Job ID: 570-66280-1

Client Project/Site: Building 684 – Raytheon / 764.10  
Revision: 2

**For:**

Hargis + Associates, Inc.  
La Jolla Gateway  
9171 Towne Centre Drive  
Suite 375  
San Diego, California 92122

Attn: Steve Netto

*Virendra R Patel*

Authorized for release by:  
8/25/2021 11:27:24 AM

Virendra Patel, Project Manager I  
(714)895-5494  
[Virendra.Patel@eurofinset.com](mailto:Virendra.Patel@eurofinset.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



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# Definitions/Glossary

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Qualifiers

### GC/MS VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| *-        | LCS and/or LCSD is outside acceptance limits, low biased.                                                      |
| F2        | MS/MSD RPD exceeds control limits                                                                              |
| H         | Sample was prepped or analyzed beyond the specified holding time                                               |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| me        | LCS Recovery is within Marginal Exceedance (ME) control limit range ( $\pm 4$ SD from the mean).               |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| $\alpha$       | 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                                                                                       |

# Case Narrative

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Job ID: 570-66280-1

### Laboratory: Eurofins Calscience LLC

#### Narrative

#### Job Narrative 570-66280-1

#### Comments

No additional comments.

#### Revision

The report being provided is a revision of the original report sent on 8/19/2021. The report (revision 1) is being revised due to: The client requested the project number referenced be changed to match the COC..

#### Receipt

The samples were received on 8/4/2021 4:42 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.5° C and 4.6° C.

#### Revisions

Revision 1: The client requested the project number referenced be changed to match the COC.

Revision 2: The project ID was updated to match the COC provided

#### GC/MS VOA

Method 8260B: The matrix spike duplicate (MSD) associated with analytical batch 570-171238 was analyzed outside of the 12-hour tune window. The associated laboratory control sample and duplicate (LCS/LCSD) and matrix spike (MS) were analyzed within the 12-hour tune window and recovery and precision met acceptance criteria. HEW-04 (570-66280-3[MSD])

Method 8260B: The continuing calibration verification (CCV) associated with batch 570-171238 recovered above the upper control limit for Vinyl acetate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for analytical batch 570-171238 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8260B: The following analyte(s) recovered outside control limits for the LCS associated with analytical batch 570-171501: Dichlorodifluoromethane and Vinyl chloride. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8260B: The following analyte(s) recovered outside control limits for the LCSD associated with analytical batch 570-171501: Dichlorodifluoromethane. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-171896.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-172242.

Method 8260B: Reanalysis of the following samples were performed outside of the analytical holding time due to carryover confirmation : HEW-02 (570-66280-2) and HEW-0500 (570-66280-14).

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

#### GC/MS Semi VOA

## Case Narrative

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

---

### Job ID: 570-66280-1 (Continued)

---

#### Laboratory: Eurofins Calscience LLC (Continued)

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

#### Organic Prep

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

#### VOA Prep

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

# Detection Summary

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Client Sample ID: TB-080321

Lab Sample ID: 570-66280-1

No Detections.

## Client Sample ID: HEW-02

Lab Sample ID: 570-66280-2

| Analyte                | Result | Qualifier | RL   | MDL  | Unit | Dil | Fac | D | Method       | Prep Type |
|------------------------|--------|-----------|------|------|------|-----|-----|---|--------------|-----------|
| Trichloroethene        | 100    |           | 0.50 | 0.29 | ug/L | 1   |     |   | 8260B        | Total/NA  |
| Tetrachloroethene - RA | 0.49   | J H       | 0.50 | 0.29 | ug/L | 1   |     |   | 8260B        | Total/NA  |
| 1,4-Dioxane            | 1.1    |           | 0.50 | 0.34 | ug/L | 1   |     |   | 8270C SIM ID | Total/NA  |

## Client Sample ID: HEW-04

Lab Sample ID: 570-66280-3

| Analyte           | Result | Qualifier | RL   | MDL  | Unit | Dil | Fac | D | Method       | Prep Type |
|-------------------|--------|-----------|------|------|------|-----|-----|---|--------------|-----------|
| Tetrachloroethene | 1.3    | J         | 2.0  | 1.2  | ug/L | 4   |     |   | 8260B        | Total/NA  |
| Trichloroethene   | 88     |           | 2.0  | 1.2  | ug/L | 4   |     |   | 8260B        | Total/NA  |
| 1,4-Dioxane       | 6.8    |           | 0.50 | 0.34 | ug/L | 1   |     |   | 8270C SIM ID | Total/NA  |

## Client Sample ID: UAX-03

Lab Sample ID: 570-66280-4

| Analyte            | Result | Qualifier | RL   | MDL  | Unit | Dil | Fac | D | Method | Prep Type |
|--------------------|--------|-----------|------|------|------|-----|-----|---|--------|-----------|
| 1,1-Dichloroethene | 0.53   |           | 0.50 | 0.39 | ug/L | 1   |     |   | 8260B  | Total/NA  |
| Trichloroethene    | 8.9    |           | 0.50 | 0.29 | ug/L | 1   |     |   | 8260B  | Total/NA  |

## Client Sample ID: UAX-0300

Lab Sample ID: 570-66280-5

| Analyte            | Result | Qualifier | RL   | MDL  | Unit | Dil | Fac | D | Method | Prep Type |
|--------------------|--------|-----------|------|------|------|-----|-----|---|--------|-----------|
| 1,1-Dichloroethene | 0.53   |           | 0.50 | 0.39 | ug/L | 1   |     |   | 8260B  | Total/NA  |
| Trichloroethene    | 8.9    |           | 0.50 | 0.29 | ug/L | 1   |     |   | 8260B  | Total/NA  |

## Client Sample ID: S-21

Lab Sample ID: 570-66280-6

| Analyte    | Result | Qualifier | RL   | MDL  | Unit | Dil | Fac | D | Method | Prep Type |
|------------|--------|-----------|------|------|------|-----|-----|---|--------|-----------|
| Chloroform | 0.74   |           | 0.50 | 0.28 | ug/L | 1   |     |   | 8260B  | Total/NA  |

## Client Sample ID: UA-15D

Lab Sample ID: 570-66280-7

| Analyte         | Result | Qualifier | RL   | MDL  | Unit | Dil | Fac | D | Method | Prep Type |
|-----------------|--------|-----------|------|------|------|-----|-----|---|--------|-----------|
| Trichloroethene | 0.68   |           | 0.50 | 0.29 | ug/L | 1   |     |   | 8260B  | Total/NA  |

## Client Sample ID: S-24

Lab Sample ID: 570-66280-8

| Analyte         | Result | Qualifier | RL   | MDL  | Unit | Dil | Fac | D | Method | Prep Type |
|-----------------|--------|-----------|------|------|------|-----|-----|---|--------|-----------|
| Trichloroethene | 1.4    |           | 0.50 | 0.29 | ug/L | 1   |     |   | 8260B  | Total/NA  |

## Client Sample ID: RB-080421A

Lab Sample ID: 570-66280-9

No Detections.

## Client Sample ID: LAX-01

Lab Sample ID: 570-66280-10

No Detections.

## Client Sample ID: UA-16D

Lab Sample ID: 570-66280-11

| Analyte           | Result | Qualifier | RL   | MDL  | Unit | Dil | Fac | D | Method | Prep Type |
|-------------------|--------|-----------|------|------|------|-----|-----|---|--------|-----------|
| Tetrachloroethene | 0.62   |           | 0.50 | 0.29 | ug/L | 1   |     |   | 8260B  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

# Detection Summary

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Client Sample ID: UA-17D

## Lab Sample ID: 570-66280-12

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| Methyl-t-Butyl Ether (MTBE) | 1.6    |           | 0.50 | 0.21 | ug/L | 1       |   | 8260B  | Total/NA  |

## Client Sample ID: HEW-05

## Lab Sample ID: 570-66280-13

| Analyte                | Result | Qualifier | RL  | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 6.2    |           | 1.0 | 0.60 | ug/L | 2       |   | 8260B  | Total/NA  |
| Trichloroethene        | 110    |           | 1.0 | 0.58 | ug/L | 2       |   | 8260B  | Total/NA  |

## Client Sample ID: HEW-0500

## Lab Sample ID: 570-66280-14

| Analyte                | Result | Qualifier | RL  | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 5.5    |           | 1.0 | 0.60 | ug/L | 2       |   | 8260B  | Total/NA  |
| Naphthalene            | 0.99   | J         | 2.0 | 0.64 | ug/L | 2       |   | 8260B  | Total/NA  |
| Trichloroethene        | 120    |           | 1.0 | 0.58 | ug/L | 2       |   | 8260B  | Total/NA  |

## Client Sample ID: LAX-03

## Lab Sample ID: 570-66280-15

No Detections.

## Client Sample ID: UAX-02

## Lab Sample ID: 570-66280-16

| Analyte            | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method       | Prep Type |
|--------------------|--------|-----------|------|------|------|---------|---|--------------|-----------|
| 1,1-Dichloroethene | 3.3    |           | 0.50 | 0.39 | ug/L | 1       |   | 8260B        | Total/NA  |
| Trichloroethene    | 4.3    |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B        | Total/NA  |
| 1,4-Dioxane        | 1.4    |           | 0.50 | 0.34 | ug/L | 1       |   | 8270C SIM ID | Total/NA  |

## Client Sample ID: S-14

## Lab Sample ID: 570-66280-17

No Detections.

## Client Sample ID: LAX-02

## Lab Sample ID: 570-66280-18

No Detections.

## Client Sample ID: UA-06

## Lab Sample ID: 570-66280-19

| Analyte           | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| Tetrachloroethene | 2.7    |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |
| Trichloroethene   | 0.81   |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |

## Client Sample ID: S-26

## Lab Sample ID: 570-66280-20

No Detections.

## Client Sample ID: UA-06D

## Lab Sample ID: 570-66280-21

| Analyte           | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| Tetrachloroethene | 2.1    |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |
| Trichloroethene   | 0.44   | J         | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |

## Client Sample ID: UA-07D

## Lab Sample ID: 570-66280-22

| Analyte            | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|--------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| 1,1-Dichloroethane | 0.39   | J         | 0.50 | 0.35 | ug/L | 1       |   | 8260B  | Total/NA  |
| Tetrachloroethene  | 0.92   |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

# Detection Summary

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Client Sample ID: UA-07

Lab Sample ID: 570-66280-23

| Analyte            | Result | Qualifier | RL   | MDL  | Unit | Dil | Fac | D | Method | Prep Type |
|--------------------|--------|-----------|------|------|------|-----|-----|---|--------|-----------|
| 1,1-Dichloroethane | 1.8    |           | 0.50 | 0.35 | ug/L |     | 1   |   | 8260B  | Total/NA  |
| Trichloroethene    | 0.62   |           | 0.50 | 0.29 | ug/L |     | 1   |   | 8260B  | Total/NA  |

## Client Sample ID: RB-080421B

Lab Sample ID: 570-66280-24

No Detections.

## Client Sample ID: TB-080421

Lab Sample ID: 570-66280-25

No Detections.

## Client Sample ID: S-03

Lab Sample ID: 570-66280-26

| Analyte         | Result | Qualifier | RL   | MDL  | Unit | Dil | Fac | D | Method | Prep Type |
|-----------------|--------|-----------|------|------|------|-----|-----|---|--------|-----------|
| Trichloroethene | 2.1    |           | 0.50 | 0.29 | ug/L |     | 1   |   | 8260B  | Total/NA  |

## Client Sample ID: UA-04D

Lab Sample ID: 570-66280-27

No Detections.

## Client Sample ID: UAX-01

Lab Sample ID: 570-66280-28

| Analyte            | Result | Qualifier | RL   | MDL  | Unit | Dil | Fac | D | Method | Prep Type |
|--------------------|--------|-----------|------|------|------|-----|-----|---|--------|-----------|
| 1,1-Dichloroethane | 1.3    |           | 0.50 | 0.39 | ug/L |     | 1   |   | 8260B  | Total/NA  |
| Trichloroethene    | 3.2    |           | 0.50 | 0.29 | ug/L |     | 1   |   | 8260B  | Total/NA  |

## Client Sample ID: S-04

Lab Sample ID: 570-66280-29

| Analyte         | Result | Qualifier | RL   | MDL  | Unit | Dil | Fac | D | Method | Prep Type |
|-----------------|--------|-----------|------|------|------|-----|-----|---|--------|-----------|
| Trichloroethene | 35     |           | 0.50 | 0.29 | ug/L |     | 1   |   | 8260B  | Total/NA  |

## Client Sample ID: S-18

Lab Sample ID: 570-66280-30

No Detections.

## Client Sample ID: S-05

Lab Sample ID: 570-66280-31

No Detections.

## Client Sample ID: HEW-01

Lab Sample ID: 570-66280-32

| Analyte           | Result | Qualifier | RL   | MDL  | Unit | Dil | Fac | D | Method       | Prep Type |
|-------------------|--------|-----------|------|------|------|-----|-----|---|--------------|-----------|
| Tetrachloroethene | 10     |           | 5.0  | 2.9  | ug/L |     | 10  |   | 8260B        | Total/NA  |
| Trichloroethene   | 670    |           | 5.0  | 2.9  | ug/L |     | 10  |   | 8260B        | Total/NA  |
| 1,4-Dioxane       | 1.8    |           | 0.50 | 0.34 | ug/L |     | 1   |   | 8270C SIM ID | Total/NA  |

## Client Sample ID: S-27

Lab Sample ID: 570-66280-33

No Detections.

## Client Sample ID: UA-13D

Lab Sample ID: 570-66280-34

| Analyte           | Result | Qualifier | RL   | MDL  | Unit | Dil | Fac | D | Method | Prep Type |
|-------------------|--------|-----------|------|------|------|-----|-----|---|--------|-----------|
| Tetrachloroethene | 0.38   | J         | 0.50 | 0.29 | ug/L |     | 1   |   | 8260B  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: TB-080321  
Date Collected: 08/03/21 08:00  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-1  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/13/21 23:26 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/13/21 23:26 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/13/21 23:26 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/13/21 23:26 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/13/21 23:26 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/13/21 23:26 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/13/21 23:26 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/13/21 23:26 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/13/21 23:26 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/13/21 23:26 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/13/21 23:26 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/13/21 23:26 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/13/21 23:26 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/13/21 23:26 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/13/21 23:26 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/13/21 23:26 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/13/21 23:26 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/13/21 23:26 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/13/21 23:26 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/13/21 23:26 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/13/21 23:26 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/13/21 23:26 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/13/21 23:26 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/13/21 23:26 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/13/21 23:26 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/13/21 23:26 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/13/21 23:26 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/13/21 23:26 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/13/21 23:26 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/13/21 23:26 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/13/21 23:26 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/13/21 23:26 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/13/21 23:26 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/13/21 23:26 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 08/13/21 23:26 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/13/21 23:26 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/13/21 23:26 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/13/21 23:26 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/13/21 23:26 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/13/21 23:26 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/13/21 23:26 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/13/21 23:26 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/13/21 23:26 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/13/21 23:26 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 08/13/21 23:26 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/13/21 23:26 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/13/21 23:26 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/13/21 23:26 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/13/21 23:26 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: TB-080321  
Date Collected: 08/03/21 08:00  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-1  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/13/21 23:26 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/13/21 23:26 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/13/21 23:26 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/13/21 23:26 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/13/21 23:26 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/13/21 23:26 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/13/21 23:26 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/13/21 23:26 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/13/21 23:26 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/13/21 23:26 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/13/21 23:26 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/13/21 23:26 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/13/21 23:26 | 1       |
| Trichloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/13/21 23:26 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/13/21 23:26 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/13/21 23:26 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/13/21 23:26 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 108       |           | 68 - 135 |          | 08/13/21 23:26 | 1       |
| 4-Bromofluorobenzene (Surr)  | 94        |           | 71 - 120 |          | 08/13/21 23:26 | 1       |
| Dibromofluoromethane         | 101       |           | 80 - 120 |          | 08/13/21 23:26 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 120 |          | 08/13/21 23:26 | 1       |

Client Sample ID: HEW-02  
Date Collected: 08/03/21 08:10  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-2  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/17/21 17:19 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/17/21 17:19 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/17/21 17:19 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/17/21 17:19 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/17/21 17:19 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/17/21 17:19 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/17/21 17:19 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/17/21 17:19 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/17/21 17:19 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/17/21 17:19 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/17/21 17:19 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/17/21 17:19 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/17/21 17:19 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/17/21 17:19 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/17/21 17:19 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/17/21 17:19 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/17/21 17:19 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/17/21 17:19 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/17/21 17:19 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/17/21 17:19 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/17/21 17:19 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/17/21 17:19 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HEW-02  
Date Collected: 08/03/21 08:10  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-2  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  | 3.0  | ug/L |   |          | 08/17/21 17:19 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 08/17/21 17:19 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 08/17/21 17:19 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/17/21 17:19 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 08/17/21 17:19 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 08/17/21 17:19 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/17/21 17:19 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 08/17/21 17:19 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 08/17/21 17:19 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 08/17/21 17:19 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/17/21 17:19 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 08/17/21 17:19 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/17/21 17:19 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 08/17/21 17:19 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 08/17/21 17:19 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/17/21 17:19 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 08/17/21 17:19 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 08/17/21 17:19 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/17/21 17:19 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 08/17/21 17:19 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/17/21 17:19 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 08/17/21 17:19 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  | 0.68 | ug/L |   |          | 08/17/21 17:19 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/17/21 17:19 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 08/17/21 17:19 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 08/17/21 17:19 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 | 0.21 | ug/L |   |          | 08/17/21 17:19 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/17/21 17:19 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/17/21 17:19 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/17/21 17:19 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/17/21 17:19 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/17/21 17:19 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/17/21 17:19 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/17/21 17:19 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/17/21 17:19 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/17/21 17:19 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/17/21 17:19 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/17/21 17:19 | 1       |
| Trichloroethene             | 100    |           | 0.50 | 0.29 | ug/L |   |          | 08/17/21 17:19 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/17/21 17:19 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/17/21 17:19 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/17/21 17:19 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 102       |           | 68 - 135 |          | 08/17/21 17:19 | 1       |
| 4-Bromofluorobenzene (Surr)  | 95        |           | 71 - 120 |          | 08/17/21 17:19 | 1       |
| Dibromofluoromethane         | 96        |           | 80 - 120 |          | 08/17/21 17:19 | 1       |
| Toluene-d8 (Surr)            | 104       |           | 80 - 120 |          | 08/17/21 17:19 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: HEW-04  
Date Collected: 08/04/21 08:25  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-3  
Matrix: Water

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 2.0 | 1.0  | ug/L |   |          | 08/14/21 00:12 | 4       |
| 1,1,1-Trichloroethane                 | ND     |           | 2.0 | 1.1  | ug/L |   |          | 08/14/21 00:12 | 4       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 2.0 | 0.78 | ug/L |   |          | 08/14/21 00:12 | 4       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 2.0 | 1.0  | ug/L |   |          | 08/14/21 00:12 | 4       |
| 1,1,2-Trichloroethane                 | ND     |           | 2.0 | 0.34 | ug/L |   |          | 08/14/21 00:12 | 4       |
| 1,1-Dichloroethane                    | ND     |           | 2.0 | 1.4  | ug/L |   |          | 08/14/21 00:12 | 4       |
| 1,1-Dichloroethene                    | ND     |           | 2.0 | 1.6  | ug/L |   |          | 08/14/21 00:12 | 4       |
| 1,1-Dichloropropene                   | ND     |           | 2.0 | 0.97 | ug/L |   |          | 08/14/21 00:12 | 4       |
| 1,2,3-Trichlorobenzene                | ND     |           | 2.0 | 1.1  | ug/L |   |          | 08/14/21 00:12 | 4       |
| 1,2,3-Trichloropropane                | ND     |           | 2.0 | 1.3  | ug/L |   |          | 08/14/21 00:12 | 4       |
| 1,2,4-Trichlorobenzene                | ND     |           | 2.0 | 1.5  | ug/L |   |          | 08/14/21 00:12 | 4       |
| 1,2,4-Trimethylbenzene                | ND     |           | 2.0 | 1.1  | ug/L |   |          | 08/14/21 00:12 | 4       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 4.0 | 2.6  | ug/L |   |          | 08/14/21 00:12 | 4       |
| 1,2-Dibromoethane                     | ND     |           | 2.0 | 0.55 | ug/L |   |          | 08/14/21 00:12 | 4       |
| 1,2-Dichlorobenzene                   | ND     |           | 2.0 | 0.92 | ug/L |   |          | 08/14/21 00:12 | 4       |
| 1,2-Dichloroethane                    | ND     |           | 2.0 | 0.60 | ug/L |   |          | 08/14/21 00:12 | 4       |
| 1,2-Dichloropropane                   | ND     |           | 2.0 | 0.96 | ug/L |   |          | 08/14/21 00:12 | 4       |
| 1,3,5-Trimethylbenzene                | ND     |           | 2.0 | 1.1  | ug/L |   |          | 08/14/21 00:12 | 4       |
| 1,3-Dichlorobenzene                   | ND     |           | 2.0 | 1.0  | ug/L |   |          | 08/14/21 00:12 | 4       |
| 1,3-Dichloropropane                   | ND     |           | 2.0 | 0.82 | ug/L |   |          | 08/14/21 00:12 | 4       |
| 1,4-Dichlorobenzene                   | ND     |           | 2.0 | 0.90 | ug/L |   |          | 08/14/21 00:12 | 4       |
| 2,2-Dichloropropane                   | ND     |           | 2.0 | 1.6  | ug/L |   |          | 08/14/21 00:12 | 4       |
| 2-Butanone                            | ND     |           | 20  | 12   | ug/L |   |          | 08/14/21 00:12 | 4       |
| 2-Chlorotoluene                       | ND     |           | 2.0 | 1.2  | ug/L |   |          | 08/14/21 00:12 | 4       |
| 2-Hexanone                            | ND     |           | 24  | 17   | ug/L |   |          | 08/14/21 00:12 | 4       |
| 4-Chlorotoluene                       | ND     |           | 2.0 | 1.3  | ug/L |   |          | 08/14/21 00:12 | 4       |
| 4-Methyl-2-pentanone                  | ND     |           | 20  | 9.0  | ug/L |   |          | 08/14/21 00:12 | 4       |
| Acetone                               | ND     |           | 32  | 16   | ug/L |   |          | 08/14/21 00:12 | 4       |
| Benzene                               | ND     |           | 2.0 | 1.1  | ug/L |   |          | 08/14/21 00:12 | 4       |
| Bromobenzene                          | ND     |           | 2.0 | 1.0  | ug/L |   |          | 08/14/21 00:12 | 4       |
| Bromochloromethane                    | ND     |           | 4.0 | 1.4  | ug/L |   |          | 08/14/21 00:12 | 4       |
| Bromodichloromethane                  | ND     |           | 2.0 | 0.89 | ug/L |   |          | 08/14/21 00:12 | 4       |
| Bromoform                             | ND     |           | 2.0 | 1.6  | ug/L |   |          | 08/14/21 00:12 | 4       |
| Bromomethane                          | ND     |           | 4.0 | 3.7  | ug/L |   |          | 08/14/21 00:12 | 4       |
| cis-1,2-Dichloroethene                | ND     |           | 2.0 | 1.2  | ug/L |   |          | 08/14/21 00:12 | 4       |
| cis-1,3-Dichloropropene               | ND     |           | 2.0 | 0.77 | ug/L |   |          | 08/14/21 00:12 | 4       |
| Carbon disulfide                      | ND     |           | 4.0 | 0.98 | ug/L |   |          | 08/14/21 00:12 | 4       |
| Carbon tetrachloride                  | ND     |           | 2.0 | 1.1  | ug/L |   |          | 08/14/21 00:12 | 4       |
| Chlorobenzene                         | ND     |           | 2.0 | 0.95 | ug/L |   |          | 08/14/21 00:12 | 4       |
| Chloroethane                          | ND     |           | 2.0 | 1.8  | ug/L |   |          | 08/14/21 00:12 | 4       |
| Chloroform                            | ND     |           | 2.0 | 1.1  | ug/L |   |          | 08/14/21 00:12 | 4       |
| Chloromethane                         | ND     |           | 4.0 | 1.2  | ug/L |   |          | 08/14/21 00:12 | 4       |
| Dibromochloromethane                  | ND     |           | 2.0 | 1.1  | ug/L |   |          | 08/14/21 00:12 | 4       |
| Dibromomethane                        | ND     |           | 2.0 | 0.92 | ug/L |   |          | 08/14/21 00:12 | 4       |
| Dichlorodifluoromethane               | ND     | F2        | 4.0 | 2.7  | ug/L |   |          | 08/14/21 00:12 | 4       |
| Ethylbenzene                          | ND     |           | 2.0 | 1.4  | ug/L |   |          | 08/14/21 00:12 | 4       |
| Isopropylbenzene                      | ND     |           | 2.0 | 1.5  | ug/L |   |          | 08/14/21 00:12 | 4       |
| Methylene Chloride                    | ND     |           | 4.0 | 1.9  | ug/L |   |          | 08/14/21 00:12 | 4       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 2.0 | 0.82 | ug/L |   |          | 08/14/21 00:12 | 4       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HEW-04  
Date Collected: 08/04/21 08:25  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-3  
Matrix: Water

| Analyte                   | Result     | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| Naphthalene               | ND         |           | 4.0 | 1.3  | ug/L |   |          | 08/14/21 00:12 | 4       |
| n-Butylbenzene            | ND         |           | 2.0 | 1.2  | ug/L |   |          | 08/14/21 00:12 | 4       |
| N-Propylbenzene           | ND         |           | 2.0 | 1.6  | ug/L |   |          | 08/14/21 00:12 | 4       |
| o-Xylene                  | ND         |           | 2.0 | 1.4  | ug/L |   |          | 08/14/21 00:12 | 4       |
| m,p-Xylene                | ND         |           | 4.0 | 3.1  | ug/L |   |          | 08/14/21 00:12 | 4       |
| p-Isopropyltoluene        | ND         |           | 2.0 | 1.1  | ug/L |   |          | 08/14/21 00:12 | 4       |
| sec-Butylbenzene          | ND         |           | 2.0 | 1.4  | ug/L |   |          | 08/14/21 00:12 | 4       |
| Styrene                   | ND         |           | 2.0 | 1.1  | ug/L |   |          | 08/14/21 00:12 | 4       |
| trans-1,2-Dichloroethene  | ND         |           | 2.0 | 1.4  | ug/L |   |          | 08/14/21 00:12 | 4       |
| trans-1,3-Dichloropropene | ND         |           | 2.0 | 0.69 | ug/L |   |          | 08/14/21 00:12 | 4       |
| tert-Butylbenzene         | ND         |           | 2.0 | 1.4  | ug/L |   |          | 08/14/21 00:12 | 4       |
| <b>Tetrachloroethene</b>  | <b>1.3</b> | <b>J</b>  | 2.0 | 1.2  | ug/L |   |          | 08/14/21 00:12 | 4       |
| Toluene                   | ND         |           | 2.0 | 1.3  | ug/L |   |          | 08/14/21 00:12 | 4       |
| <b>Trichloroethene</b>    | <b>88</b>  |           | 2.0 | 1.2  | ug/L |   |          | 08/14/21 00:12 | 4       |
| Trichlorofluoromethane    | ND         |           | 2.0 | 1.2  | ug/L |   |          | 08/14/21 00:12 | 4       |
| Vinyl acetate             | ND         |           | 20  | 13   | ug/L |   |          | 08/14/21 00:12 | 4       |
| Vinyl chloride            | ND         |           | 2.0 | 1.6  | ug/L |   |          | 08/14/21 00:12 | 4       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 110       |           | 68 - 135 |          | 08/14/21 00:12 | 4       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 71 - 120 |          | 08/14/21 00:12 | 4       |
| Dibromofluoromethane         | 102       |           | 80 - 120 |          | 08/14/21 00:12 | 4       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 08/14/21 00:12 | 4       |

Client Sample ID: UAX-03  
Date Collected: 08/04/21 08:45  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-4  
Matrix: Water

| Analyte                               | Result      | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-------------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND          |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 01:03 | 1       |
| 1,1,1-Trichloroethane                 | ND          |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 01:03 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND          |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 01:03 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND          |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 01:03 | 1       |
| 1,1,2-Trichloroethane                 | ND          |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 01:03 | 1       |
| 1,1-Dichloroethane                    | ND          |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 01:03 | 1       |
| <b>1,1-Dichloroethene</b>             | <b>0.53</b> |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 01:03 | 1       |
| 1,1-Dichloropropene                   | ND          |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 01:03 | 1       |
| 1,2,3-Trichlorobenzene                | ND          |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 01:03 | 1       |
| 1,2,3-Trichloropropane                | ND          |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 01:03 | 1       |
| 1,2,4-Trichlorobenzene                | ND          |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 01:03 | 1       |
| 1,2,4-Trimethylbenzene                | ND          |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 01:03 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND          |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 01:03 | 1       |
| 1,2-Dibromoethane                     | ND          |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 01:03 | 1       |
| 1,2-Dichlorobenzene                   | ND          |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 01:03 | 1       |
| 1,2-Dichloroethane                    | ND          |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 01:03 | 1       |
| 1,2-Dichloropropane                   | ND          |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 01:03 | 1       |
| 1,3,5-Trimethylbenzene                | ND          |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 01:03 | 1       |
| 1,3-Dichlorobenzene                   | ND          |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 01:03 | 1       |
| 1,3-Dichloropropane                   | ND          |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 01:03 | 1       |
| 1,4-Dichlorobenzene                   | ND          |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 01:03 | 1       |
| 2,2-Dichloropropane                   | ND          |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 01:03 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UAX-03  
Date Collected: 08/04/21 08:45  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-4  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  | 3.0  | ug/L |   |          | 08/14/21 01:03 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 08/14/21 01:03 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 08/14/21 01:03 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 01:03 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 08/14/21 01:03 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 08/14/21 01:03 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 08/14/21 01:03 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 01:03 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  | 0.68 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 | 0.21 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Naphthalene                 | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 01:03 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 01:03 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 01:03 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 01:03 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 01:03 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 01:03 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 01:03 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 01:03 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 01:03 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Trichloroethene             | 8.9    |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 01:03 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 01:03 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 01:03 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 111       |           | 68 - 135 |          | 08/14/21 01:03 | 1       |
| 4-Bromofluorobenzene (Surr)  | 94        |           | 71 - 120 |          | 08/14/21 01:03 | 1       |
| Dibromofluoromethane         | 102       |           | 80 - 120 |          | 08/14/21 01:03 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 120 |          | 08/14/21 01:03 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: UAX-0300  
Date Collected: 08/04/21 09:50  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-5  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/17/21 17:44 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/17/21 17:44 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/17/21 17:44 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/17/21 17:44 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/17/21 17:44 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/17/21 17:44 | 1       |
| 1,1-Dichloroethene                    | 0.53   |           | 0.50 | 0.39  | ug/L |   |          | 08/17/21 17:44 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/17/21 17:44 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/17/21 17:44 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/17/21 17:44 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/17/21 17:44 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/17/21 17:44 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/17/21 17:44 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/17/21 17:44 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/17/21 17:44 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/17/21 17:44 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/17/21 17:44 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/17/21 17:44 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/17/21 17:44 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/17/21 17:44 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/17/21 17:44 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/17/21 17:44 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/17/21 17:44 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/17/21 17:44 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/17/21 17:44 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/17/21 17:44 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/17/21 17:44 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/17/21 17:44 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/17/21 17:44 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/17/21 17:44 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/17/21 17:44 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/17/21 17:44 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/17/21 17:44 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/17/21 17:44 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 08/17/21 17:44 | 1       |
| cis-1,3-Dichloropropane               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/17/21 17:44 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/17/21 17:44 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/17/21 17:44 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/17/21 17:44 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/17/21 17:44 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/17/21 17:44 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/17/21 17:44 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/17/21 17:44 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/17/21 17:44 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 08/17/21 17:44 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/17/21 17:44 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/17/21 17:44 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/17/21 17:44 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/17/21 17:44 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UAX-0300  
Date Collected: 08/04/21 09:50  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-5  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/17/21 17:44 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/17/21 17:44 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/17/21 17:44 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/17/21 17:44 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/17/21 17:44 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/17/21 17:44 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/17/21 17:44 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/17/21 17:44 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/17/21 17:44 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/17/21 17:44 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/17/21 17:44 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/17/21 17:44 | 1       |
| Trichloroethene           | 8.9    |           | 0.50 | 0.29 | ug/L |   |          | 08/17/21 17:44 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/17/21 17:44 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/17/21 17:44 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/17/21 17:44 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 68 - 135 |          | 08/17/21 17:44 | 1       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 71 - 120 |          | 08/17/21 17:44 | 1       |
| Dibromofluoromethane         | 98        |           | 80 - 120 |          | 08/17/21 17:44 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 08/17/21 17:44 | 1       |

Client Sample ID: S-21  
Date Collected: 08/04/21 09:00  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-6  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 01:54 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 01:54 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 01:54 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 01:54 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 01:54 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 01:54 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 01:54 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 01:54 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 01:54 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 01:54 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 01:54 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 01:54 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 01:54 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 01:54 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 01:54 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 01:54 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 01:54 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 01:54 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 01:54 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 01:54 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 01:54 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 01:54 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/14/21 01:54 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-21  
Date Collected: 08/04/21 09:00  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-6  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 08/14/21 01:54 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 08/14/21 01:54 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 01:54 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 08/14/21 01:54 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 08/14/21 01:54 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 08/14/21 01:54 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 01:54 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Chloroform                  | 0.74   |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  | 0.68 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 | 0.21 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Naphthalene                 | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 01:54 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 01:54 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 01:54 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 01:54 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 01:54 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 01:54 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 01:54 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 01:54 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 01:54 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Trichloroethene             | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 01:54 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 01:54 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 01:54 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 110       |           | 68 - 135 |          | 08/14/21 01:54 | 1       |
| 4-Bromofluorobenzene (Surr)  | 91        |           | 71 - 120 |          | 08/14/21 01:54 | 1       |
| Dibromofluoromethane         | 101       |           | 80 - 120 |          | 08/14/21 01:54 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 08/14/21 01:54 | 1       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: UA-15D  
Date Collected: 08/04/21 09:10  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-7  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 02:20 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 02:20 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 02:20 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 02:20 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 02:20 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 02:20 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 02:20 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 02:20 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 02:20 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 02:20 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 02:20 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 02:20 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 02:20 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 02:20 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 02:20 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 02:20 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 02:20 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 02:20 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 02:20 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 02:20 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 02:20 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 02:20 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/14/21 02:20 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/14/21 02:20 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/14/21 02:20 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/14/21 02:20 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/14/21 02:20 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/14/21 02:20 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 02:20 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 02:20 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/14/21 02:20 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 02:20 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 02:20 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/14/21 02:20 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 08/14/21 02:20 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 02:20 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/14/21 02:20 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 02:20 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 02:20 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/14/21 02:20 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 02:20 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/14/21 02:20 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 02:20 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 02:20 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 08/14/21 02:20 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/14/21 02:20 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 02:20 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/14/21 02:20 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/14/21 02:20 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UA-15D  
Date Collected: 08/04/21 09:10  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-7  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 02:20 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 02:20 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 02:20 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 02:20 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 02:20 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 02:20 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 02:20 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 02:20 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 02:20 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 02:20 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 02:20 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 02:20 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 02:20 | 1       |
| Trichloroethene           | 0.68   |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 02:20 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 02:20 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 02:20 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 02:20 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 107       |           | 68 - 135 |          | 08/14/21 02:20 | 1       |
| 4-Bromofluorobenzene (Surr)  | 91        |           | 71 - 120 |          | 08/14/21 02:20 | 1       |
| Dibromofluoromethane         | 100       |           | 80 - 120 |          | 08/14/21 02:20 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 120 |          | 08/14/21 02:20 | 1       |

Client Sample ID: S-24  
Date Collected: 08/04/21 09:20  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-8  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 02:45 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 02:45 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 02:45 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 02:45 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 02:45 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 02:45 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 02:45 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 02:45 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 02:45 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 02:45 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 02:45 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 02:45 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 02:45 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 02:45 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 02:45 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 02:45 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 02:45 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 02:45 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 02:45 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 02:45 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 02:45 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 02:45 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-24  
Date Collected: 08/04/21 09:20  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-8  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  | 3.0  | ug/L |   |          | 08/14/21 02:45 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 08/14/21 02:45 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 08/14/21 02:45 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 02:45 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 08/14/21 02:45 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 08/14/21 02:45 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 08/14/21 02:45 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 02:45 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  | 0.68 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 | 0.21 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Naphthalene                 | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 02:45 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 02:45 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 02:45 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 02:45 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 02:45 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 02:45 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 02:45 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 02:45 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 02:45 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Trichloroethene             | 1.4    |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 02:45 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 02:45 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 02:45 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 68 - 135 |          | 08/14/21 02:45 | 1       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 71 - 120 |          | 08/14/21 02:45 | 1       |
| Dibromofluoromethane         | 98        |           | 80 - 120 |          | 08/14/21 02:45 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 08/14/21 02:45 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: RB-080421A  
Date Collected: 08/04/21 09:50  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-9  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 03:11 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 03:11 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 03:11 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 03:11 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 03:11 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 03:11 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 03:11 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 03:11 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 03:11 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 03:11 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 03:11 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 03:11 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 03:11 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 03:11 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 03:11 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 03:11 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 03:11 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 03:11 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 03:11 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 03:11 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 03:11 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 03:11 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/14/21 03:11 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/14/21 03:11 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/14/21 03:11 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/14/21 03:11 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/14/21 03:11 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/14/21 03:11 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 03:11 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 03:11 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/14/21 03:11 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 03:11 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 03:11 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/14/21 03:11 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 08/14/21 03:11 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 03:11 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/14/21 03:11 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 03:11 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 03:11 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/14/21 03:11 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 03:11 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/14/21 03:11 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 03:11 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 03:11 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 08/14/21 03:11 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/14/21 03:11 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 03:11 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/14/21 03:11 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/14/21 03:11 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: RB-080421A  
Date Collected: 08/04/21 09:50  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-9  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 03:11 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 03:11 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 03:11 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 03:11 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 03:11 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 03:11 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 03:11 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 03:11 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 03:11 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 03:11 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 03:11 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 03:11 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 03:11 | 1       |
| Trichloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 03:11 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 03:11 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 03:11 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 03:11 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 109       |           | 68 - 135 |          | 08/14/21 03:11 | 1       |
| 4-Bromofluorobenzene (Surr)  | 91        |           | 71 - 120 |          | 08/14/21 03:11 | 1       |
| Dibromofluoromethane         | 102       |           | 80 - 120 |          | 08/14/21 03:11 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 120 |          | 08/14/21 03:11 | 1       |

Client Sample ID: LAX-01  
Date Collected: 08/04/21 10:10  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-10  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 03:37 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 03:37 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 03:37 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 03:37 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 03:37 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 03:37 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 03:37 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 03:37 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 03:37 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 03:37 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 03:37 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 03:37 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 03:37 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 03:37 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 03:37 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 03:37 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 03:37 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 03:37 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 03:37 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 03:37 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 03:37 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 03:37 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: LAX-01  
Date Collected: 08/04/21 10:10  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-10  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  | 3.0  | ug/L |   |          | 08/14/21 03:37 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 08/14/21 03:37 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 08/14/21 03:37 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 03:37 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 08/14/21 03:37 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 08/14/21 03:37 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 08/14/21 03:37 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 03:37 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  | 0.68 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 | 0.21 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Naphthalene                 | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 03:37 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 03:37 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 03:37 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 03:37 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 03:37 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 03:37 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 03:37 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 03:37 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 03:37 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Trichloroethene             | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 03:37 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 03:37 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 03:37 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 109       |           | 68 - 135 |          | 08/14/21 03:37 | 1       |
| 4-Bromofluorobenzene (Surr)  | 93        |           | 71 - 120 |          | 08/14/21 03:37 | 1       |
| Dibromofluoromethane         | 101       |           | 80 - 120 |          | 08/14/21 03:37 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 08/14/21 03:37 | 1       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: UA-16D  
Date Collected: 08/04/21 13:20  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-11  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 04:02 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 04:02 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 04:02 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 04:02 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 04:02 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 04:02 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 04:02 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 04:02 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 04:02 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 04:02 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 04:02 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 04:02 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 04:02 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 04:02 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 04:02 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 04:02 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 04:02 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 04:02 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 04:02 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 04:02 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 04:02 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 04:02 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/14/21 04:02 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/14/21 04:02 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/14/21 04:02 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/14/21 04:02 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/14/21 04:02 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/14/21 04:02 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 04:02 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 04:02 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/14/21 04:02 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 04:02 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 04:02 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/14/21 04:02 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 08/14/21 04:02 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 04:02 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/14/21 04:02 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 04:02 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 04:02 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/14/21 04:02 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 04:02 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/14/21 04:02 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 04:02 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 04:02 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 08/14/21 04:02 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/14/21 04:02 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 04:02 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/14/21 04:02 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/14/21 04:02 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UA-16D

Date Collected: 08/04/21 13:20

Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-11

Matrix: Water

| Analyte                   | Result      | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-------------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND          |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 04:02 | 1       |
| n-Butylbenzene            | ND          |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 04:02 | 1       |
| N-Propylbenzene           | ND          |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 04:02 | 1       |
| o-Xylene                  | ND          |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 04:02 | 1       |
| m,p-Xylene                | ND          |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 04:02 | 1       |
| p-Isopropyltoluene        | ND          |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 04:02 | 1       |
| sec-Butylbenzene          | ND          |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 04:02 | 1       |
| Styrene                   | ND          |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 04:02 | 1       |
| trans-1,2-Dichloroethene  | ND          |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 04:02 | 1       |
| trans-1,3-Dichloropropene | ND          |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 04:02 | 1       |
| tert-Butylbenzene         | ND          |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 04:02 | 1       |
| <b>Tetrachloroethene</b>  | <b>0.62</b> |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 04:02 | 1       |
| Toluene                   | ND          |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 04:02 | 1       |
| Trichloroethene           | ND          |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 04:02 | 1       |
| Trichlorofluoromethane    | ND          |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 04:02 | 1       |
| Vinyl acetate             | ND          |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 04:02 | 1       |
| Vinyl chloride            | ND          |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 04:02 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 109       |           | 68 - 135 |          | 08/14/21 04:02 | 1       |
| 4-Bromofluorobenzene (Surr)  | 89        |           | 71 - 120 |          | 08/14/21 04:02 | 1       |
| Dibromofluoromethane         | 104       |           | 80 - 120 |          | 08/14/21 04:02 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 120 |          | 08/14/21 04:02 | 1       |

Client Sample ID: UA-17D

Date Collected: 08/04/21 13:30

Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-12

Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 04:28 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 04:28 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 04:28 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 04:28 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 04:28 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 04:28 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 04:28 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 04:28 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 04:28 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 04:28 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 04:28 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 04:28 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 04:28 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 04:28 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 04:28 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 04:28 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 04:28 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 04:28 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 04:28 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 04:28 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 04:28 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 04:28 | 1       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UA-17D  
Date Collected: 08/04/21 13:30  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-12  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  | 3.0  | ug/L |   |          | 08/14/21 04:28 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 08/14/21 04:28 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 08/14/21 04:28 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 04:28 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 08/14/21 04:28 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 08/14/21 04:28 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 08/14/21 04:28 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 04:28 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  | 0.68 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Methyl-t-Butyl Ether (MTBE) | 1.6    |           | 0.50 | 0.21 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Naphthalene                 | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 04:28 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 04:28 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 04:28 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 04:28 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 04:28 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 04:28 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 04:28 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 04:28 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 04:28 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Trichloroethene             | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 04:28 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 04:28 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 04:28 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 107       |           | 68 - 135 |          | 08/14/21 04:28 | 1       |
| 4-Bromofluorobenzene (Surr)  | 91        |           | 71 - 120 |          | 08/14/21 04:28 | 1       |
| Dibromofluoromethane         | 104       |           | 80 - 120 |          | 08/14/21 04:28 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 08/14/21 04:28 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: HEW-05  
Date Collected: 08/03/21 08:30  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-13  
Matrix: Water

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.0 | 0.51 | ug/L |   |          | 08/14/21 04:53 | 2       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.0 | 0.53 | ug/L |   |          | 08/14/21 04:53 | 2       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.0 | 0.39 | ug/L |   |          | 08/14/21 04:53 | 2       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.0 | 0.50 | ug/L |   |          | 08/14/21 04:53 | 2       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | 0.17 | ug/L |   |          | 08/14/21 04:53 | 2       |
| 1,1-Dichloroethane                    | ND     |           | 1.0 | 0.71 | ug/L |   |          | 08/14/21 04:53 | 2       |
| 1,1-Dichloroethene                    | ND     |           | 1.0 | 0.78 | ug/L |   |          | 08/14/21 04:53 | 2       |
| 1,1-Dichloropropene                   | ND     |           | 1.0 | 0.48 | ug/L |   |          | 08/14/21 04:53 | 2       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.0 | 0.55 | ug/L |   |          | 08/14/21 04:53 | 2       |
| 1,2,3-Trichloropropane                | ND     |           | 1.0 | 0.64 | ug/L |   |          | 08/14/21 04:53 | 2       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.0 | 0.75 | ug/L |   |          | 08/14/21 04:53 | 2       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.0 | 0.57 | ug/L |   |          | 08/14/21 04:53 | 2       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 2.0 | 1.3  | ug/L |   |          | 08/14/21 04:53 | 2       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | 0.27 | ug/L |   |          | 08/14/21 04:53 | 2       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | 0.46 | ug/L |   |          | 08/14/21 04:53 | 2       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | 0.30 | ug/L |   |          | 08/14/21 04:53 | 2       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | 0.48 | ug/L |   |          | 08/14/21 04:53 | 2       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.0 | 0.57 | ug/L |   |          | 08/14/21 04:53 | 2       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | 0.51 | ug/L |   |          | 08/14/21 04:53 | 2       |
| 1,3-Dichloropropane                   | ND     |           | 1.0 | 0.41 | ug/L |   |          | 08/14/21 04:53 | 2       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | 0.45 | ug/L |   |          | 08/14/21 04:53 | 2       |
| 2,2-Dichloropropane                   | ND     |           | 1.0 | 0.79 | ug/L |   |          | 08/14/21 04:53 | 2       |
| 2-Butanone                            | ND     |           | 10  | 6.1  | ug/L |   |          | 08/14/21 04:53 | 2       |
| 2-Chlorotoluene                       | ND     |           | 1.0 | 0.62 | ug/L |   |          | 08/14/21 04:53 | 2       |
| 2-Hexanone                            | ND     |           | 12  | 8.6  | ug/L |   |          | 08/14/21 04:53 | 2       |
| 4-Chlorotoluene                       | ND     |           | 1.0 | 0.67 | ug/L |   |          | 08/14/21 04:53 | 2       |
| 4-Methyl-2-pentanone                  | ND     |           | 10  | 4.5  | ug/L |   |          | 08/14/21 04:53 | 2       |
| Acetone                               | ND     |           | 16  | 8.0  | ug/L |   |          | 08/14/21 04:53 | 2       |
| Benzene                               | ND     |           | 1.0 | 0.53 | ug/L |   |          | 08/14/21 04:53 | 2       |
| Bromobenzene                          | ND     |           | 1.0 | 0.52 | ug/L |   |          | 08/14/21 04:53 | 2       |
| Bromochloromethane                    | ND     |           | 2.0 | 0.70 | ug/L |   |          | 08/14/21 04:53 | 2       |
| Bromodichloromethane                  | ND     |           | 1.0 | 0.45 | ug/L |   |          | 08/14/21 04:53 | 2       |
| Bromoform                             | ND     |           | 1.0 | 0.78 | ug/L |   |          | 08/14/21 04:53 | 2       |
| Bromomethane                          | ND     |           | 2.0 | 1.9  | ug/L |   |          | 08/14/21 04:53 | 2       |
| cis-1,2-Dichloroethene                | 6.2    |           | 1.0 | 0.60 | ug/L |   |          | 08/14/21 04:53 | 2       |
| cis-1,3-Dichloropropene               | ND     |           | 1.0 | 0.38 | ug/L |   |          | 08/14/21 04:53 | 2       |
| Carbon disulfide                      | ND     |           | 2.0 | 0.49 | ug/L |   |          | 08/14/21 04:53 | 2       |
| Carbon tetrachloride                  | ND     |           | 1.0 | 0.54 | ug/L |   |          | 08/14/21 04:53 | 2       |
| Chlorobenzene                         | ND     |           | 1.0 | 0.48 | ug/L |   |          | 08/14/21 04:53 | 2       |
| Chloroethane                          | ND     |           | 1.0 | 0.88 | ug/L |   |          | 08/14/21 04:53 | 2       |
| Chloroform                            | ND     |           | 1.0 | 0.57 | ug/L |   |          | 08/14/21 04:53 | 2       |
| Chloromethane                         | ND     |           | 2.0 | 0.59 | ug/L |   |          | 08/14/21 04:53 | 2       |
| Dibromochloromethane                  | ND     |           | 1.0 | 0.54 | ug/L |   |          | 08/14/21 04:53 | 2       |
| Dibromomethane                        | ND     |           | 1.0 | 0.46 | ug/L |   |          | 08/14/21 04:53 | 2       |
| Dichlorodifluoromethane               | ND     |           | 2.0 | 1.4  | ug/L |   |          | 08/14/21 04:53 | 2       |
| Ethylbenzene                          | ND     |           | 1.0 | 0.71 | ug/L |   |          | 08/14/21 04:53 | 2       |
| Isopropylbenzene                      | ND     |           | 1.0 | 0.77 | ug/L |   |          | 08/14/21 04:53 | 2       |
| Methylene Chloride                    | ND     |           | 2.0 | 0.96 | ug/L |   |          | 08/14/21 04:53 | 2       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 1.0 | 0.41 | ug/L |   |          | 08/14/21 04:53 | 2       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HEW-05

Date Collected: 08/03/21 08:30

Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-13

Matrix: Water

| Analyte                   | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 2.0 | 0.64 | ug/L |   |          | 08/14/21 04:53 | 2       |
| n-Butylbenzene            | ND     |           | 1.0 | 0.59 | ug/L |   |          | 08/14/21 04:53 | 2       |
| N-Propylbenzene           | ND     |           | 1.0 | 0.78 | ug/L |   |          | 08/14/21 04:53 | 2       |
| o-Xylene                  | ND     |           | 1.0 | 0.70 | ug/L |   |          | 08/14/21 04:53 | 2       |
| m,p-Xylene                | ND     |           | 2.0 | 1.6  | ug/L |   |          | 08/14/21 04:53 | 2       |
| p-Isopropyltoluene        | ND     |           | 1.0 | 0.55 | ug/L |   |          | 08/14/21 04:53 | 2       |
| sec-Butylbenzene          | ND     |           | 1.0 | 0.68 | ug/L |   |          | 08/14/21 04:53 | 2       |
| Styrene                   | ND     |           | 1.0 | 0.55 | ug/L |   |          | 08/14/21 04:53 | 2       |
| trans-1,2-Dichloroethene  | ND     |           | 1.0 | 0.72 | ug/L |   |          | 08/14/21 04:53 | 2       |
| trans-1,3-Dichloropropene | ND     |           | 1.0 | 0.35 | ug/L |   |          | 08/14/21 04:53 | 2       |
| tert-Butylbenzene         | ND     |           | 1.0 | 0.68 | ug/L |   |          | 08/14/21 04:53 | 2       |
| Tetrachloroethene         | ND     |           | 1.0 | 0.58 | ug/L |   |          | 08/14/21 04:53 | 2       |
| Toluene                   | ND     |           | 1.0 | 0.66 | ug/L |   |          | 08/14/21 04:53 | 2       |
| Trichloroethene           | 110    |           | 1.0 | 0.58 | ug/L |   |          | 08/14/21 04:53 | 2       |
| Trichlorofluoromethane    | ND     |           | 1.0 | 0.59 | ug/L |   |          | 08/14/21 04:53 | 2       |
| Vinyl acetate             | ND     |           | 10  | 6.3  | ug/L |   |          | 08/14/21 04:53 | 2       |
| Vinyl chloride            | ND     |           | 1.0 | 0.80 | ug/L |   |          | 08/14/21 04:53 | 2       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 68 - 135 |          | 08/14/21 04:53 | 2       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 71 - 120 |          | 08/14/21 04:53 | 2       |
| Dibromofluoromethane         | 101       |           | 80 - 120 |          | 08/14/21 04:53 | 2       |
| Toluene-d8 (Surr)            | 103       |           | 80 - 120 |          | 08/14/21 04:53 | 2       |

Client Sample ID: HEW-0500

Date Collected: 08/03/21 08:35

Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-14

Matrix: Water

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.0 | 0.51 | ug/L |   |          | 08/17/21 18:10 | 2       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.0 | 0.53 | ug/L |   |          | 08/17/21 18:10 | 2       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.0 | 0.39 | ug/L |   |          | 08/17/21 18:10 | 2       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.0 | 0.50 | ug/L |   |          | 08/17/21 18:10 | 2       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | 0.17 | ug/L |   |          | 08/17/21 18:10 | 2       |
| 1,1-Dichloroethane                    | ND     |           | 1.0 | 0.71 | ug/L |   |          | 08/17/21 18:10 | 2       |
| 1,1-Dichloroethene                    | ND     |           | 1.0 | 0.78 | ug/L |   |          | 08/17/21 18:10 | 2       |
| 1,1-Dichloropropene                   | ND     |           | 1.0 | 0.48 | ug/L |   |          | 08/17/21 18:10 | 2       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.0 | 0.55 | ug/L |   |          | 08/17/21 18:10 | 2       |
| 1,2,3-Trichloropropane                | ND     |           | 1.0 | 0.64 | ug/L |   |          | 08/17/21 18:10 | 2       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.0 | 0.75 | ug/L |   |          | 08/17/21 18:10 | 2       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.0 | 0.57 | ug/L |   |          | 08/17/21 18:10 | 2       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 2.0 | 1.3  | ug/L |   |          | 08/17/21 18:10 | 2       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | 0.27 | ug/L |   |          | 08/17/21 18:10 | 2       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | 0.46 | ug/L |   |          | 08/17/21 18:10 | 2       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | 0.30 | ug/L |   |          | 08/17/21 18:10 | 2       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | 0.48 | ug/L |   |          | 08/17/21 18:10 | 2       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.0 | 0.57 | ug/L |   |          | 08/17/21 18:10 | 2       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | 0.51 | ug/L |   |          | 08/17/21 18:10 | 2       |
| 1,3-Dichloropropane                   | ND     |           | 1.0 | 0.41 | ug/L |   |          | 08/17/21 18:10 | 2       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | 0.45 | ug/L |   |          | 08/17/21 18:10 | 2       |
| 2,2-Dichloropropane                   | ND     |           | 1.0 | 0.79 | ug/L |   |          | 08/17/21 18:10 | 2       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HEW-0500  
Date Collected: 08/03/21 08:35  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-14  
Matrix: Water

| Analyte                     | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 10  | 6.1  | ug/L |   |          | 08/17/21 18:10 | 2       |
| 2-Chlorotoluene             | ND     |           | 1.0 | 0.62 | ug/L |   |          | 08/17/21 18:10 | 2       |
| 2-Hexanone                  | ND     |           | 12  | 8.6  | ug/L |   |          | 08/17/21 18:10 | 2       |
| 4-Chlorotoluene             | ND     |           | 1.0 | 0.67 | ug/L |   |          | 08/17/21 18:10 | 2       |
| 4-Methyl-2-pentanone        | ND     |           | 10  | 4.5  | ug/L |   |          | 08/17/21 18:10 | 2       |
| Acetone                     | ND     |           | 16  | 8.0  | ug/L |   |          | 08/17/21 18:10 | 2       |
| Benzene                     | ND     |           | 1.0 | 0.53 | ug/L |   |          | 08/17/21 18:10 | 2       |
| Bromobenzene                | ND     |           | 1.0 | 0.52 | ug/L |   |          | 08/17/21 18:10 | 2       |
| Bromochloromethane          | ND     |           | 2.0 | 0.70 | ug/L |   |          | 08/17/21 18:10 | 2       |
| Bromodichloromethane        | ND     |           | 1.0 | 0.45 | ug/L |   |          | 08/17/21 18:10 | 2       |
| Bromoform                   | ND     |           | 1.0 | 0.78 | ug/L |   |          | 08/17/21 18:10 | 2       |
| Bromomethane                | ND     |           | 2.0 | 1.9  | ug/L |   |          | 08/17/21 18:10 | 2       |
| cis-1,2-Dichloroethene      | 5.5    |           | 1.0 | 0.60 | ug/L |   |          | 08/17/21 18:10 | 2       |
| cis-1,3-Dichloropropene     | ND     |           | 1.0 | 0.38 | ug/L |   |          | 08/17/21 18:10 | 2       |
| Carbon disulfide            | ND     |           | 2.0 | 0.49 | ug/L |   |          | 08/17/21 18:10 | 2       |
| Carbon tetrachloride        | ND     |           | 1.0 | 0.54 | ug/L |   |          | 08/17/21 18:10 | 2       |
| Chlorobenzene               | ND     |           | 1.0 | 0.48 | ug/L |   |          | 08/17/21 18:10 | 2       |
| Chloroethane                | ND     |           | 1.0 | 0.88 | ug/L |   |          | 08/17/21 18:10 | 2       |
| Chloroform                  | ND     |           | 1.0 | 0.57 | ug/L |   |          | 08/17/21 18:10 | 2       |
| Chloromethane               | ND     |           | 2.0 | 0.59 | ug/L |   |          | 08/17/21 18:10 | 2       |
| Dibromochloromethane        | ND     |           | 1.0 | 0.54 | ug/L |   |          | 08/17/21 18:10 | 2       |
| Dibromomethane              | ND     |           | 1.0 | 0.46 | ug/L |   |          | 08/17/21 18:10 | 2       |
| Dichlorodifluoromethane     | ND     |           | 2.0 | 1.4  | ug/L |   |          | 08/17/21 18:10 | 2       |
| Ethylbenzene                | ND     |           | 1.0 | 0.71 | ug/L |   |          | 08/17/21 18:10 | 2       |
| Isopropylbenzene            | ND     |           | 1.0 | 0.77 | ug/L |   |          | 08/17/21 18:10 | 2       |
| Methylene Chloride          | ND     |           | 2.0 | 0.96 | ug/L |   |          | 08/17/21 18:10 | 2       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 1.0 | 0.41 | ug/L |   |          | 08/17/21 18:10 | 2       |
| Naphthalene                 | 0.99   | J         | 2.0 | 0.64 | ug/L |   |          | 08/17/21 18:10 | 2       |
| n-Butylbenzene              | ND     |           | 1.0 | 0.59 | ug/L |   |          | 08/17/21 18:10 | 2       |
| N-Propylbenzene             | ND     |           | 1.0 | 0.78 | ug/L |   |          | 08/17/21 18:10 | 2       |
| o-Xylene                    | ND     |           | 1.0 | 0.70 | ug/L |   |          | 08/17/21 18:10 | 2       |
| m,p-Xylene                  | ND     |           | 2.0 | 1.6  | ug/L |   |          | 08/17/21 18:10 | 2       |
| p-Isopropyltoluene          | ND     |           | 1.0 | 0.55 | ug/L |   |          | 08/17/21 18:10 | 2       |
| sec-Butylbenzene            | ND     |           | 1.0 | 0.68 | ug/L |   |          | 08/17/21 18:10 | 2       |
| Styrene                     | ND     |           | 1.0 | 0.55 | ug/L |   |          | 08/17/21 18:10 | 2       |
| trans-1,2-Dichloroethene    | ND     |           | 1.0 | 0.72 | ug/L |   |          | 08/17/21 18:10 | 2       |
| trans-1,3-Dichloropropene   | ND     |           | 1.0 | 0.35 | ug/L |   |          | 08/17/21 18:10 | 2       |
| tert-Butylbenzene           | ND     |           | 1.0 | 0.68 | ug/L |   |          | 08/17/21 18:10 | 2       |
| Toluene                     | ND     |           | 1.0 | 0.66 | ug/L |   |          | 08/17/21 18:10 | 2       |
| Trichloroethene             | 120    |           | 1.0 | 0.58 | ug/L |   |          | 08/17/21 18:10 | 2       |
| Trichlorofluoromethane      | ND     |           | 1.0 | 0.59 | ug/L |   |          | 08/17/21 18:10 | 2       |
| Vinyl acetate               | ND     |           | 10  | 6.3  | ug/L |   |          | 08/17/21 18:10 | 2       |
| Vinyl chloride              | ND     |           | 1.0 | 0.80 | ug/L |   |          | 08/17/21 18:10 | 2       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104       |           | 68 - 135 |          | 08/17/21 18:10 | 2       |
| 4-Bromofluorobenzene (Surr)  | 94        |           | 71 - 120 |          | 08/17/21 18:10 | 2       |
| Dibromofluoromethane         | 99        |           | 80 - 120 |          | 08/17/21 18:10 | 2       |
| Toluene-d8 (Surr)            | 103       |           | 80 - 120 |          | 08/17/21 18:10 | 2       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: LAX-03  
Date Collected: 08/04/21 08:40  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-15  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 05:45 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 05:45 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 05:45 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 05:45 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 05:45 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 05:45 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 05:45 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 05:45 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 05:45 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 05:45 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 05:45 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 05:45 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 05:45 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 05:45 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 05:45 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 05:45 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 05:45 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 05:45 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 05:45 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 05:45 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 05:45 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 05:45 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/14/21 05:45 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/14/21 05:45 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/14/21 05:45 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/14/21 05:45 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/14/21 05:45 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/14/21 05:45 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 05:45 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 05:45 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/14/21 05:45 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 05:45 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 05:45 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/14/21 05:45 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 08/14/21 05:45 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 05:45 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/14/21 05:45 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 05:45 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 05:45 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/14/21 05:45 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 05:45 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/14/21 05:45 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 05:45 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 05:45 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 08/14/21 05:45 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/14/21 05:45 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 05:45 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/14/21 05:45 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/14/21 05:45 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: LAX-03  
Date Collected: 08/04/21 08:40  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-15  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 05:45 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 05:45 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 05:45 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 05:45 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 05:45 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 05:45 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 05:45 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 05:45 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 05:45 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 05:45 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 05:45 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 05:45 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 05:45 | 1       |
| Trichloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 05:45 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 05:45 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 05:45 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 05:45 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 68 - 135 |          | 08/14/21 05:45 | 1       |
| 4-Bromofluorobenzene (Surr)  | 90        |           | 71 - 120 |          | 08/14/21 05:45 | 1       |
| Dibromofluoromethane         | 102       |           | 80 - 120 |          | 08/14/21 05:45 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 120 |          | 08/14/21 05:45 | 1       |

Client Sample ID: UAX-02  
Date Collected: 08/04/21 08:55  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-16  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 06:10 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 06:10 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 06:10 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 06:10 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 06:10 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 06:10 | 1       |
| 1,1-Dichloroethene                    | 3.3    |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 06:10 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 06:10 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 06:10 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 06:10 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 06:10 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 06:10 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 06:10 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 06:10 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 06:10 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 06:10 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 06:10 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 06:10 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 06:10 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 06:10 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 06:10 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 06:10 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UAX-02  
Date Collected: 08/04/21 08:55  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-16  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  | 3.0  | ug/L |   |          | 08/14/21 06:10 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 08/14/21 06:10 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 08/14/21 06:10 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 06:10 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 08/14/21 06:10 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 08/14/21 06:10 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 08/14/21 06:10 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 06:10 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  | 0.68 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 | 0.21 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Naphthalene                 | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 06:10 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 06:10 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 06:10 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 06:10 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 06:10 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 06:10 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 06:10 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 06:10 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 06:10 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Trichloroethene             | 4.3    |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 06:10 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 06:10 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 06:10 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 110       |           | 68 - 135 |          | 08/14/21 06:10 | 1       |
| 4-Bromofluorobenzene (Surr)  | 90        |           | 71 - 120 |          | 08/14/21 06:10 | 1       |
| Dibromofluoromethane         | 103       |           | 80 - 120 |          | 08/14/21 06:10 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 120 |          | 08/14/21 06:10 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: S-14  
Date Collected: 08/04/21 08:50  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-17  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 06:36 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 06:36 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 06:36 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 06:36 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 06:36 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 06:36 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 06:36 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 06:36 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 06:36 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 06:36 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 06:36 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 06:36 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 06:36 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 06:36 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 06:36 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 06:36 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 06:36 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 06:36 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 06:36 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 06:36 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 06:36 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 06:36 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/14/21 06:36 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/14/21 06:36 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/14/21 06:36 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/14/21 06:36 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/14/21 06:36 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/14/21 06:36 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 06:36 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 06:36 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/14/21 06:36 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 06:36 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 06:36 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/14/21 06:36 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 08/14/21 06:36 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 06:36 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/14/21 06:36 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 06:36 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 06:36 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/14/21 06:36 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 06:36 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/14/21 06:36 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 06:36 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 06:36 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 08/14/21 06:36 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/14/21 06:36 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 06:36 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/14/21 06:36 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/14/21 06:36 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-14  
Date Collected: 08/04/21 08:50  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-17  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 06:36 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 06:36 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 06:36 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 06:36 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 06:36 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 06:36 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 06:36 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 06:36 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 06:36 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 06:36 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 06:36 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 06:36 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 06:36 | 1       |
| Trichloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 06:36 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 06:36 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 06:36 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 06:36 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 108       |           | 68 - 135 |          | 08/14/21 06:36 | 1       |
| 4-Bromofluorobenzene (Surr)  | 90        |           | 71 - 120 |          | 08/14/21 06:36 | 1       |
| Dibromofluoromethane         | 103       |           | 80 - 120 |          | 08/14/21 06:36 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 08/14/21 06:36 | 1       |

Client Sample ID: LAX-02  
Date Collected: 08/04/21 09:25  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-18  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 07:01 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 07:01 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 07:01 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 07:01 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 07:01 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 07:01 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 07:01 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 07:01 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 07:01 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 07:01 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 07:01 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 07:01 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 07:01 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 07:01 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 07:01 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 07:01 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 07:01 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 07:01 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 07:01 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 07:01 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 07:01 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 07:01 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: LAX-02  
Date Collected: 08/04/21 09:25  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-18  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  | 3.0  | ug/L |   |          | 08/14/21 07:01 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 08/14/21 07:01 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 08/14/21 07:01 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 07:01 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 08/14/21 07:01 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 08/14/21 07:01 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 08/14/21 07:01 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 07:01 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  | 0.68 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 | 0.21 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Naphthalene                 | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 07:01 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 07:01 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 07:01 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 07:01 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 07:01 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 07:01 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 07:01 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 07:01 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 07:01 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Trichloroethene             | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 07:01 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 07:01 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 07:01 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 68 - 135 |          | 08/14/21 07:01 | 1       |
| 4-Bromofluorobenzene (Surr)  | 90        |           | 71 - 120 |          | 08/14/21 07:01 | 1       |
| Dibromofluoromethane         | 99        |           | 80 - 120 |          | 08/14/21 07:01 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 120 |          | 08/14/21 07:01 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: UA-06  
Date Collected: 08/04/21 10:15  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-19  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 12:16 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 12:16 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/16/21 12:16 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/16/21 12:16 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/16/21 12:16 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/16/21 12:16 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/16/21 12:16 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 12:16 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 12:16 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/16/21 12:16 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/16/21 12:16 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/16/21 12:16 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/16/21 12:16 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/16/21 12:16 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/16/21 12:16 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/16/21 12:16 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 12:16 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 12:16 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 12:16 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/16/21 12:16 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/16/21 12:16 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/16/21 12:16 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/16/21 12:16 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/16/21 12:16 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/16/21 12:16 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/16/21 12:16 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/16/21 12:16 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/16/21 12:16 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 12:16 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 12:16 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/16/21 12:16 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/16/21 12:16 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/16/21 12:16 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/16/21 12:16 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 08/16/21 12:16 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/16/21 12:16 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/16/21 12:16 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 12:16 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 12:16 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/16/21 12:16 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 12:16 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/16/21 12:16 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 12:16 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/16/21 12:16 | 1       |
| Dichlorodifluoromethane               | ND     | *         | 1.0  | 0.68  | ug/L |   |          | 08/16/21 12:16 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/16/21 12:16 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/16/21 12:16 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/16/21 12:16 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/16/21 12:16 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UA-06

Date Collected: 08/04/21 10:15

Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-19

Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/16/21 12:16 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 12:16 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/16/21 12:16 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/16/21 12:16 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/16/21 12:16 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 12:16 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 12:16 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 12:16 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/16/21 12:16 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/16/21 12:16 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 12:16 | 1       |
| Tetrachloroethene         | 2.7    |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 12:16 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/16/21 12:16 | 1       |
| Trichloroethene           | 0.81   |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 12:16 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/16/21 12:16 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/16/21 12:16 | 1       |
| Vinyl chloride            | ND     | *         | 0.50 | 0.40 | ug/L |   |          | 08/16/21 12:16 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 100       |           | 68 - 135 |          | 08/16/21 12:16 | 1       |
| 4-Bromofluorobenzene (Surr)  | 99        |           | 71 - 120 |          | 08/16/21 12:16 | 1       |
| Dibromofluoromethane         | 105       |           | 80 - 120 |          | 08/16/21 12:16 | 1       |
| Toluene-d8 (Surr)            | 103       |           | 80 - 120 |          | 08/16/21 12:16 | 1       |

Client Sample ID: S-26

Date Collected: 08/04/21 09:50

Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-20

Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 11:48 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 11:48 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/16/21 11:48 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/16/21 11:48 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/16/21 11:48 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/16/21 11:48 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/16/21 11:48 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 11:48 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 11:48 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/16/21 11:48 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/16/21 11:48 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/16/21 11:48 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/16/21 11:48 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/16/21 11:48 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/16/21 11:48 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/16/21 11:48 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 11:48 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 11:48 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 11:48 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/16/21 11:48 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/16/21 11:48 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/16/21 11:48 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-26  
Date Collected: 08/04/21 09:50  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-20  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  | 3.0  | ug/L |   |          | 08/16/21 11:48 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 08/16/21 11:48 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 08/16/21 11:48 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 11:48 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 08/16/21 11:48 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 08/16/21 11:48 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 08/16/21 11:48 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/16/21 11:48 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Dichlorodifluoromethane     | ND     | *         | 1.0  | 0.68 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 | 0.21 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Naphthalene                 | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/16/21 11:48 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 11:48 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/16/21 11:48 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/16/21 11:48 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/16/21 11:48 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 11:48 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 11:48 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/16/21 11:48 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/16/21 11:48 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Trichloroethene             | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/16/21 11:48 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/16/21 11:48 | 1       |
| Vinyl chloride              | ND     | *         | 0.50 | 0.40 | ug/L |   |          | 08/16/21 11:48 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 100       |           | 68 - 135 |          | 08/16/21 11:48 | 1       |
| 4-Bromofluorobenzene (Surr)  | 97        |           | 71 - 120 |          | 08/16/21 11:48 | 1       |
| Dibromofluoromethane         | 95        |           | 80 - 120 |          | 08/16/21 11:48 | 1       |
| Toluene-d8 (Surr)            | 103       |           | 80 - 120 |          | 08/16/21 11:48 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: UA-06D  
Date Collected: 08/04/21 10:05  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-21  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 12:43 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 12:43 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/16/21 12:43 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/16/21 12:43 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/16/21 12:43 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/16/21 12:43 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/16/21 12:43 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 12:43 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 12:43 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/16/21 12:43 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/16/21 12:43 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/16/21 12:43 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/16/21 12:43 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/16/21 12:43 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/16/21 12:43 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/16/21 12:43 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 12:43 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 12:43 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 12:43 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/16/21 12:43 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/16/21 12:43 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/16/21 12:43 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/16/21 12:43 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/16/21 12:43 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/16/21 12:43 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/16/21 12:43 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/16/21 12:43 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/16/21 12:43 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 12:43 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 12:43 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/16/21 12:43 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/16/21 12:43 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/16/21 12:43 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/16/21 12:43 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 08/16/21 12:43 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/16/21 12:43 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/16/21 12:43 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 12:43 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 12:43 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/16/21 12:43 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 12:43 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/16/21 12:43 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 12:43 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/16/21 12:43 | 1       |
| Dichlorodifluoromethane               | ND     | *         | 1.0  | 0.68  | ug/L |   |          | 08/16/21 12:43 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/16/21 12:43 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/16/21 12:43 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/16/21 12:43 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/16/21 12:43 | 1       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UA-06D  
Date Collected: 08/04/21 10:05  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-21  
Matrix: Water

| Analyte                   | Result        | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|---------------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND            |           | 1.0  | 0.32 | ug/L |   |          | 08/16/21 12:43 | 1       |
| n-Butylbenzene            | ND            |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 12:43 | 1       |
| N-Propylbenzene           | ND            |           | 0.50 | 0.39 | ug/L |   |          | 08/16/21 12:43 | 1       |
| o-Xylene                  | ND            |           | 0.50 | 0.35 | ug/L |   |          | 08/16/21 12:43 | 1       |
| m,p-Xylene                | ND            |           | 1.0  | 0.78 | ug/L |   |          | 08/16/21 12:43 | 1       |
| p-Isopropyltoluene        | ND            |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 12:43 | 1       |
| sec-Butylbenzene          | ND            |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 12:43 | 1       |
| Styrene                   | ND            |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 12:43 | 1       |
| trans-1,2-Dichloroethene  | ND            |           | 0.50 | 0.36 | ug/L |   |          | 08/16/21 12:43 | 1       |
| trans-1,3-Dichloropropene | ND            |           | 0.50 | 0.17 | ug/L |   |          | 08/16/21 12:43 | 1       |
| tert-Butylbenzene         | ND            |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 12:43 | 1       |
| <b>Tetrachloroethene</b>  | <b>2.1</b>    |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 12:43 | 1       |
| Toluene                   | ND            |           | 0.50 | 0.33 | ug/L |   |          | 08/16/21 12:43 | 1       |
| <b>Trichloroethene</b>    | <b>0.44 J</b> |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 12:43 | 1       |
| Trichlorofluoromethane    | ND            |           | 0.50 | 0.30 | ug/L |   |          | 08/16/21 12:43 | 1       |
| Vinyl acetate             | ND            |           | 5.0  | 3.1  | ug/L |   |          | 08/16/21 12:43 | 1       |
| Vinyl chloride            | ND            | *         | 0.50 | 0.40 | ug/L |   |          | 08/16/21 12:43 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 100       |           | 68 - 135 |          | 08/16/21 12:43 | 1       |
| 4-Bromofluorobenzene (Surr)  | 96        |           | 71 - 120 |          | 08/16/21 12:43 | 1       |
| Dibromofluoromethane         | 97        |           | 80 - 120 |          | 08/16/21 12:43 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 120 |          | 08/16/21 12:43 | 1       |

Client Sample ID: UA-07D  
Date Collected: 08/04/21 11:50  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-22  
Matrix: Water

| Analyte                               | Result        | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|---------------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND            |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 13:10 | 1       |
| 1,1,1-Trichloroethane                 | ND            |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 13:10 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND            |           | 0.50 | 0.19  | ug/L |   |          | 08/16/21 13:10 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |           | 0.50 | 0.25  | ug/L |   |          | 08/16/21 13:10 | 1       |
| 1,1,2-Trichloroethane                 | ND            |           | 0.50 | 0.085 | ug/L |   |          | 08/16/21 13:10 | 1       |
| <b>1,1-Dichloroethane</b>             | <b>0.39 J</b> |           | 0.50 | 0.35  | ug/L |   |          | 08/16/21 13:10 | 1       |
| 1,1-Dichloroethene                    | ND            |           | 0.50 | 0.39  | ug/L |   |          | 08/16/21 13:10 | 1       |
| 1,1-Dichloropropene                   | ND            |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 13:10 | 1       |
| 1,2,3-Trichlorobenzene                | ND            |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 13:10 | 1       |
| 1,2,3-Trichloropropane                | ND            |           | 0.50 | 0.32  | ug/L |   |          | 08/16/21 13:10 | 1       |
| 1,2,4-Trichlorobenzene                | ND            |           | 0.50 | 0.38  | ug/L |   |          | 08/16/21 13:10 | 1       |
| 1,2,4-Trimethylbenzene                | ND            |           | 0.50 | 0.29  | ug/L |   |          | 08/16/21 13:10 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND            |           | 1.0  | 0.64  | ug/L |   |          | 08/16/21 13:10 | 1       |
| 1,2-Dibromoethane                     | ND            |           | 0.50 | 0.14  | ug/L |   |          | 08/16/21 13:10 | 1       |
| 1,2-Dichlorobenzene                   | ND            |           | 0.50 | 0.23  | ug/L |   |          | 08/16/21 13:10 | 1       |
| 1,2-Dichloroethane                    | ND            |           | 0.50 | 0.15  | ug/L |   |          | 08/16/21 13:10 | 1       |
| 1,2-Dichloropropane                   | ND            |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 13:10 | 1       |
| 1,3,5-Trimethylbenzene                | ND            |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 13:10 | 1       |
| 1,3-Dichlorobenzene                   | ND            |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 13:10 | 1       |
| 1,3-Dichloropropane                   | ND            |           | 0.50 | 0.20  | ug/L |   |          | 08/16/21 13:10 | 1       |
| 1,4-Dichlorobenzene                   | ND            |           | 0.50 | 0.22  | ug/L |   |          | 08/16/21 13:10 | 1       |
| 2,2-Dichloropropane                   | ND            |           | 0.50 | 0.40  | ug/L |   |          | 08/16/21 13:10 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UA-07D  
Date Collected: 08/04/21 11:50  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-22  
Matrix: Water

| Analyte                     | Result      | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-------------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND          |           | 5.0  | 3.0  | ug/L |   |          | 08/16/21 13:10 | 1       |
| 2-Chlorotoluene             | ND          |           | 0.50 | 0.31 | ug/L |   |          | 08/16/21 13:10 | 1       |
| 2-Hexanone                  | ND          |           | 6.0  | 4.3  | ug/L |   |          | 08/16/21 13:10 | 1       |
| 4-Chlorotoluene             | ND          |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 13:10 | 1       |
| 4-Methyl-2-pentanone        | ND          |           | 5.0  | 2.2  | ug/L |   |          | 08/16/21 13:10 | 1       |
| Acetone                     | ND          |           | 8.0  | 4.0  | ug/L |   |          | 08/16/21 13:10 | 1       |
| Benzene                     | ND          |           | 0.50 | 0.27 | ug/L |   |          | 08/16/21 13:10 | 1       |
| Bromobenzene                | ND          |           | 0.50 | 0.26 | ug/L |   |          | 08/16/21 13:10 | 1       |
| Bromochloromethane          | ND          |           | 1.0  | 0.35 | ug/L |   |          | 08/16/21 13:10 | 1       |
| Bromodichloromethane        | ND          |           | 0.50 | 0.22 | ug/L |   |          | 08/16/21 13:10 | 1       |
| Bromoform                   | ND          |           | 0.50 | 0.39 | ug/L |   |          | 08/16/21 13:10 | 1       |
| Bromomethane                | ND          |           | 1.0  | 0.93 | ug/L |   |          | 08/16/21 13:10 | 1       |
| cis-1,2-Dichloroethene      | ND          |           | 0.50 | 0.30 | ug/L |   |          | 08/16/21 13:10 | 1       |
| cis-1,3-Dichloropropene     | ND          |           | 0.50 | 0.19 | ug/L |   |          | 08/16/21 13:10 | 1       |
| Carbon disulfide            | ND          |           | 1.0  | 0.24 | ug/L |   |          | 08/16/21 13:10 | 1       |
| Carbon tetrachloride        | ND          |           | 0.50 | 0.27 | ug/L |   |          | 08/16/21 13:10 | 1       |
| Chlorobenzene               | ND          |           | 0.50 | 0.24 | ug/L |   |          | 08/16/21 13:10 | 1       |
| Chloroethane                | ND          |           | 0.50 | 0.44 | ug/L |   |          | 08/16/21 13:10 | 1       |
| Chloroform                  | ND          |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 13:10 | 1       |
| Chloromethane               | ND          |           | 1.0  | 0.29 | ug/L |   |          | 08/16/21 13:10 | 1       |
| Dibromochloromethane        | ND          |           | 0.50 | 0.27 | ug/L |   |          | 08/16/21 13:10 | 1       |
| Dibromomethane              | ND          |           | 0.50 | 0.23 | ug/L |   |          | 08/16/21 13:10 | 1       |
| Dichlorodifluoromethane     | ND          | *         | 1.0  | 0.68 | ug/L |   |          | 08/16/21 13:10 | 1       |
| Ethylbenzene                | ND          |           | 0.50 | 0.36 | ug/L |   |          | 08/16/21 13:10 | 1       |
| Isopropylbenzene            | ND          |           | 0.50 | 0.38 | ug/L |   |          | 08/16/21 13:10 | 1       |
| Methylene Chloride          | ND          |           | 1.0  | 0.48 | ug/L |   |          | 08/16/21 13:10 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND          |           | 0.50 | 0.21 | ug/L |   |          | 08/16/21 13:10 | 1       |
| Naphthalene                 | ND          |           | 1.0  | 0.32 | ug/L |   |          | 08/16/21 13:10 | 1       |
| n-Butylbenzene              | ND          |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 13:10 | 1       |
| N-Propylbenzene             | ND          |           | 0.50 | 0.39 | ug/L |   |          | 08/16/21 13:10 | 1       |
| o-Xylene                    | ND          |           | 0.50 | 0.35 | ug/L |   |          | 08/16/21 13:10 | 1       |
| m,p-Xylene                  | ND          |           | 1.0  | 0.78 | ug/L |   |          | 08/16/21 13:10 | 1       |
| p-Isopropyltoluene          | ND          |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 13:10 | 1       |
| sec-Butylbenzene            | ND          |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 13:10 | 1       |
| Styrene                     | ND          |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 13:10 | 1       |
| trans-1,2-Dichloroethene    | ND          |           | 0.50 | 0.36 | ug/L |   |          | 08/16/21 13:10 | 1       |
| trans-1,3-Dichloropropene   | ND          |           | 0.50 | 0.17 | ug/L |   |          | 08/16/21 13:10 | 1       |
| tert-Butylbenzene           | ND          |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 13:10 | 1       |
| <b>Tetrachloroethene</b>    | <b>0.92</b> |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 13:10 | 1       |
| Toluene                     | ND          |           | 0.50 | 0.33 | ug/L |   |          | 08/16/21 13:10 | 1       |
| Trichloroethene             | ND          |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 13:10 | 1       |
| Trichlorofluoromethane      | ND          |           | 0.50 | 0.30 | ug/L |   |          | 08/16/21 13:10 | 1       |
| Vinyl acetate               | ND          |           | 5.0  | 3.1  | ug/L |   |          | 08/16/21 13:10 | 1       |
| Vinyl chloride              | ND          | *         | 0.50 | 0.40 | ug/L |   |          | 08/16/21 13:10 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 101       |           | 68 - 135 |          | 08/16/21 13:10 | 1       |
| 4-Bromofluorobenzene (Surr)  | 99        |           | 71 - 120 |          | 08/16/21 13:10 | 1       |
| Dibromofluoromethane         | 96        |           | 80 - 120 |          | 08/16/21 13:10 | 1       |
| Toluene-d8 (Surr)            | 99        |           | 80 - 120 |          | 08/16/21 13:10 | 1       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: UA-07  
Date Collected: 08/04/21 12:00  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-23  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 13:37 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 13:37 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/16/21 13:37 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/16/21 13:37 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/16/21 13:37 | 1       |
| 1,1-Dichloroethane                    | 1.8    |           | 0.50 | 0.35  | ug/L |   |          | 08/16/21 13:37 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/16/21 13:37 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 13:37 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 13:37 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/16/21 13:37 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/16/21 13:37 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/16/21 13:37 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/16/21 13:37 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/16/21 13:37 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/16/21 13:37 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/16/21 13:37 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 13:37 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 13:37 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 13:37 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/16/21 13:37 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/16/21 13:37 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/16/21 13:37 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/16/21 13:37 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/16/21 13:37 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/16/21 13:37 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/16/21 13:37 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/16/21 13:37 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/16/21 13:37 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 13:37 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 13:37 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/16/21 13:37 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/16/21 13:37 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/16/21 13:37 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/16/21 13:37 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 08/16/21 13:37 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/16/21 13:37 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/16/21 13:37 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 13:37 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 13:37 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/16/21 13:37 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 13:37 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/16/21 13:37 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 13:37 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/16/21 13:37 | 1       |
| Dichlorodifluoromethane               | ND     | *         | 1.0  | 0.68  | ug/L |   |          | 08/16/21 13:37 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/16/21 13:37 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/16/21 13:37 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/16/21 13:37 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/16/21 13:37 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UA-07  
Date Collected: 08/04/21 12:00  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-23  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/16/21 13:37 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 13:37 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/16/21 13:37 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/16/21 13:37 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/16/21 13:37 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 13:37 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 13:37 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 13:37 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/16/21 13:37 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/16/21 13:37 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 13:37 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 13:37 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/16/21 13:37 | 1       |
| Trichloroethene           | 0.62   |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 13:37 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/16/21 13:37 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/16/21 13:37 | 1       |
| Vinyl chloride            | ND     | *         | 0.50 | 0.40 | ug/L |   |          | 08/16/21 13:37 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 102       |           | 68 - 135 |          | 08/16/21 13:37 | 1       |
| 4-Bromofluorobenzene (Surr)  | 94        |           | 71 - 120 |          | 08/16/21 13:37 | 1       |
| Dibromofluoromethane         | 102       |           | 80 - 120 |          | 08/16/21 13:37 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 08/16/21 13:37 | 1       |

Client Sample ID: RB-080421B  
Date Collected: 08/04/21 12:05  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-24  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 14:05 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 14:05 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/16/21 14:05 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/16/21 14:05 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/16/21 14:05 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/16/21 14:05 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/16/21 14:05 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 14:05 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 14:05 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/16/21 14:05 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/16/21 14:05 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/16/21 14:05 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/16/21 14:05 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/16/21 14:05 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/16/21 14:05 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/16/21 14:05 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 14:05 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 14:05 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 14:05 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/16/21 14:05 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/16/21 14:05 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/16/21 14:05 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: RB-080421B  
Date Collected: 08/04/21 12:05  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-24  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  | 3.0  | ug/L |   |          | 08/16/21 14:05 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 08/16/21 14:05 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 08/16/21 14:05 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 14:05 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 08/16/21 14:05 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 08/16/21 14:05 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 08/16/21 14:05 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/16/21 14:05 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Dichlorodifluoromethane     | ND     | *         | 1.0  | 0.68 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 | 0.21 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Naphthalene                 | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/16/21 14:05 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 14:05 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/16/21 14:05 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/16/21 14:05 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/16/21 14:05 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 14:05 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 14:05 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/16/21 14:05 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/16/21 14:05 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Trichloroethene             | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/16/21 14:05 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/16/21 14:05 | 1       |
| Vinyl chloride              | ND     | *         | 0.50 | 0.40 | ug/L |   |          | 08/16/21 14:05 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104       |           | 68 - 135 |          | 08/16/21 14:05 | 1       |
| 4-Bromofluorobenzene (Surr)  | 94        |           | 71 - 120 |          | 08/16/21 14:05 | 1       |
| Dibromofluoromethane         | 106       |           | 80 - 120 |          | 08/16/21 14:05 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 08/16/21 14:05 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: TB-080421  
Date Collected: 08/04/21 08:00  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-25  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 11:21 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 11:21 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/16/21 11:21 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/16/21 11:21 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/16/21 11:21 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/16/21 11:21 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/16/21 11:21 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 11:21 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 11:21 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/16/21 11:21 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/16/21 11:21 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/16/21 11:21 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/16/21 11:21 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/16/21 11:21 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/16/21 11:21 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/16/21 11:21 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 11:21 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 11:21 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 11:21 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/16/21 11:21 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/16/21 11:21 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/16/21 11:21 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/16/21 11:21 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/16/21 11:21 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/16/21 11:21 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/16/21 11:21 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/16/21 11:21 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/16/21 11:21 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 11:21 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 11:21 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/16/21 11:21 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/16/21 11:21 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/16/21 11:21 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/16/21 11:21 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 08/16/21 11:21 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/16/21 11:21 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/16/21 11:21 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 11:21 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 11:21 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/16/21 11:21 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 11:21 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/16/21 11:21 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 11:21 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/16/21 11:21 | 1       |
| Dichlorodifluoromethane               | ND     | *         | 1.0  | 0.68  | ug/L |   |          | 08/16/21 11:21 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/16/21 11:21 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/16/21 11:21 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/16/21 11:21 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/16/21 11:21 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: TB-080421  
Date Collected: 08/04/21 08:00  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-25  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/16/21 11:21 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 11:21 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/16/21 11:21 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/16/21 11:21 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/16/21 11:21 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 11:21 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 11:21 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 11:21 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/16/21 11:21 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/16/21 11:21 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 11:21 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 11:21 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/16/21 11:21 | 1       |
| Trichloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 11:21 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/16/21 11:21 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/16/21 11:21 | 1       |
| Vinyl chloride            | ND     | *         | 0.50 | 0.40 | ug/L |   |          | 08/16/21 11:21 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 96        |           | 68 - 135 |          | 08/16/21 11:21 | 1       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 71 - 120 |          | 08/16/21 11:21 | 1       |
| Dibromofluoromethane         | 101       |           | 80 - 120 |          | 08/16/21 11:21 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 08/16/21 11:21 | 1       |

Client Sample ID: S-03  
Date Collected: 08/04/21 13:05  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-26  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 14:32 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 14:32 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/16/21 14:32 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/16/21 14:32 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/16/21 14:32 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/16/21 14:32 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/16/21 14:32 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 14:32 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 14:32 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/16/21 14:32 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/16/21 14:32 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/16/21 14:32 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/16/21 14:32 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/16/21 14:32 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/16/21 14:32 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/16/21 14:32 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 14:32 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 14:32 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 14:32 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/16/21 14:32 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/16/21 14:32 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/16/21 14:32 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-03  
Date Collected: 08/04/21 13:05  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-26  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  | 3.0  | ug/L |   |          | 08/16/21 14:32 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 08/16/21 14:32 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 08/16/21 14:32 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 14:32 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 08/16/21 14:32 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 08/16/21 14:32 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 08/16/21 14:32 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/16/21 14:32 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Dichlorodifluoromethane     | ND     | *         | 1.0  | 0.68 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 | 0.21 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Naphthalene                 | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/16/21 14:32 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 14:32 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/16/21 14:32 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/16/21 14:32 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/16/21 14:32 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 14:32 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 14:32 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/16/21 14:32 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/16/21 14:32 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Trichloroethene             | 2.1    |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/16/21 14:32 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/16/21 14:32 | 1       |
| Vinyl chloride              | ND     | *         | 0.50 | 0.40 | ug/L |   |          | 08/16/21 14:32 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104       |           | 68 - 135 |          | 08/16/21 14:32 | 1       |
| 4-Bromofluorobenzene (Surr)  | 93        |           | 71 - 120 |          | 08/16/21 14:32 | 1       |
| Dibromofluoromethane         | 101       |           | 80 - 120 |          | 08/16/21 14:32 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 120 |          | 08/16/21 14:32 | 1       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: UA-04D  
Date Collected: 08/04/21 13:25  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-27  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 14:59 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 14:59 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/16/21 14:59 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/16/21 14:59 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/16/21 14:59 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/16/21 14:59 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/16/21 14:59 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 14:59 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 14:59 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/16/21 14:59 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/16/21 14:59 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/16/21 14:59 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/16/21 14:59 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/16/21 14:59 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/16/21 14:59 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/16/21 14:59 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 14:59 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 14:59 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 14:59 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/16/21 14:59 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/16/21 14:59 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/16/21 14:59 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/16/21 14:59 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/16/21 14:59 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/16/21 14:59 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/16/21 14:59 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/16/21 14:59 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/16/21 14:59 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 14:59 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 14:59 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/16/21 14:59 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/16/21 14:59 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/16/21 14:59 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/16/21 14:59 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 08/16/21 14:59 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/16/21 14:59 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/16/21 14:59 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 14:59 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 14:59 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/16/21 14:59 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 14:59 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/16/21 14:59 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 14:59 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/16/21 14:59 | 1       |
| Dichlorodifluoromethane               | ND     | *         | 1.0  | 0.68  | ug/L |   |          | 08/16/21 14:59 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/16/21 14:59 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/16/21 14:59 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/16/21 14:59 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/16/21 14:59 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UA-04D  
Date Collected: 08/04/21 13:25  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-27  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/16/21 14:59 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 14:59 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/16/21 14:59 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/16/21 14:59 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/16/21 14:59 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 14:59 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 14:59 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 14:59 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/16/21 14:59 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/16/21 14:59 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 14:59 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 14:59 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/16/21 14:59 | 1       |
| Trichloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 14:59 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/16/21 14:59 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/16/21 14:59 | 1       |
| Vinyl chloride            | ND     | *         | 0.50 | 0.40 | ug/L |   |          | 08/16/21 14:59 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 68 - 135 |          | 08/16/21 14:59 | 1       |
| 4-Bromofluorobenzene (Surr)  | 97        |           | 71 - 120 |          | 08/16/21 14:59 | 1       |
| Dibromofluoromethane         | 105       |           | 80 - 120 |          | 08/16/21 14:59 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 120 |          | 08/16/21 14:59 | 1       |

Client Sample ID: UAX-01  
Date Collected: 08/04/21 13:15  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-28  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 15:27 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 15:27 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/16/21 15:27 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/16/21 15:27 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/16/21 15:27 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/16/21 15:27 | 1       |
| 1,1-Dichloroethene                    | 1.3    |           | 0.50 | 0.39  | ug/L |   |          | 08/16/21 15:27 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 15:27 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 15:27 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/16/21 15:27 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/16/21 15:27 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/16/21 15:27 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/16/21 15:27 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/16/21 15:27 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/16/21 15:27 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/16/21 15:27 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 15:27 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 15:27 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 15:27 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/16/21 15:27 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/16/21 15:27 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/16/21 15:27 | 1       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UAX-01  
Date Collected: 08/04/21 13:15  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-28  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  | 3.0  | ug/L |   |          | 08/16/21 15:27 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 08/16/21 15:27 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 08/16/21 15:27 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 15:27 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 08/16/21 15:27 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 08/16/21 15:27 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 08/16/21 15:27 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/16/21 15:27 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Dichlorodifluoromethane     | ND     | *         | 1.0  | 0.68 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 | 0.21 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Naphthalene                 | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/16/21 15:27 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 15:27 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/16/21 15:27 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/16/21 15:27 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/16/21 15:27 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 15:27 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 15:27 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/16/21 15:27 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/16/21 15:27 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Trichloroethene             | 3.2    |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/16/21 15:27 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/16/21 15:27 | 1       |
| Vinyl chloride              | ND     | *         | 0.50 | 0.40 | ug/L |   |          | 08/16/21 15:27 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 107       |           | 68 - 135 |          | 08/16/21 15:27 | 1       |
| 4-Bromofluorobenzene (Surr)  | 96        |           | 71 - 120 |          | 08/16/21 15:27 | 1       |
| Dibromofluoromethane         | 106       |           | 80 - 120 |          | 08/16/21 15:27 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 08/16/21 15:27 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: S-04  
Date Collected: 08/04/21 13:35  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-29  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 15:54 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 15:54 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/16/21 15:54 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/16/21 15:54 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/16/21 15:54 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/16/21 15:54 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/16/21 15:54 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 15:54 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 15:54 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/16/21 15:54 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/16/21 15:54 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/16/21 15:54 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/16/21 15:54 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/16/21 15:54 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/16/21 15:54 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/16/21 15:54 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 15:54 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 15:54 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 15:54 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/16/21 15:54 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/16/21 15:54 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/16/21 15:54 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/16/21 15:54 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/16/21 15:54 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/16/21 15:54 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/16/21 15:54 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/16/21 15:54 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/16/21 15:54 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 15:54 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 15:54 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/16/21 15:54 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/16/21 15:54 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/16/21 15:54 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/16/21 15:54 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 08/16/21 15:54 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/16/21 15:54 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/16/21 15:54 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 15:54 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 15:54 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/16/21 15:54 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 15:54 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/16/21 15:54 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 15:54 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/16/21 15:54 | 1       |
| Dichlorodifluoromethane               | ND     | *         | 1.0  | 0.68  | ug/L |   |          | 08/16/21 15:54 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/16/21 15:54 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/16/21 15:54 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/16/21 15:54 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/16/21 15:54 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-04  
Date Collected: 08/04/21 13:35  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-29  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/16/21 15:54 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 15:54 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/16/21 15:54 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/16/21 15:54 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/16/21 15:54 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 15:54 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 15:54 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 15:54 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/16/21 15:54 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/16/21 15:54 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 15:54 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 15:54 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/16/21 15:54 | 1       |
| Trichloroethene           | 35     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 15:54 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/16/21 15:54 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/16/21 15:54 | 1       |
| Vinyl chloride            | ND     | *         | 0.50 | 0.40 | ug/L |   |          | 08/16/21 15:54 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 108       |           | 68 - 135 |          | 08/16/21 15:54 | 1       |
| 4-Bromofluorobenzene (Surr)  | 97        |           | 71 - 120 |          | 08/16/21 15:54 | 1       |
| Dibromofluoromethane         | 104       |           | 80 - 120 |          | 08/16/21 15:54 | 1       |
| Toluene-d8 (Surr)            | 105       |           | 80 - 120 |          | 08/16/21 15:54 | 1       |

Client Sample ID: S-18  
Date Collected: 08/04/21 14:05  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-30  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 16:21 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 16:21 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/16/21 16:21 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/16/21 16:21 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/16/21 16:21 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/16/21 16:21 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/16/21 16:21 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 16:21 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 16:21 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/16/21 16:21 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/16/21 16:21 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/16/21 16:21 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/16/21 16:21 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/16/21 16:21 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/16/21 16:21 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/16/21 16:21 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 16:21 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 16:21 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 16:21 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/16/21 16:21 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/16/21 16:21 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/16/21 16:21 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-18  
Date Collected: 08/04/21 14:05  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-30  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  | 3.0  | ug/L |   |          | 08/16/21 16:21 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 08/16/21 16:21 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 08/16/21 16:21 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 16:21 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 08/16/21 16:21 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 08/16/21 16:21 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 08/16/21 16:21 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/16/21 16:21 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Dichlorodifluoromethane     | ND     | *         | 1.0  | 0.68 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 | 0.21 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Naphthalene                 | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/16/21 16:21 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 16:21 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/16/21 16:21 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/16/21 16:21 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/16/21 16:21 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 16:21 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 16:21 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/16/21 16:21 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/16/21 16:21 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Trichloroethene             | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/16/21 16:21 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/16/21 16:21 | 1       |
| Vinyl chloride              | ND     | *         | 0.50 | 0.40 | ug/L |   |          | 08/16/21 16:21 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 68 - 135 |          | 08/16/21 16:21 | 1       |
| 4-Bromofluorobenzene (Surr)  | 96        |           | 71 - 120 |          | 08/16/21 16:21 | 1       |
| Dibromofluoromethane         | 103       |           | 80 - 120 |          | 08/16/21 16:21 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 120 |          | 08/16/21 16:21 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: S-05  
Date Collected: 08/04/21 13:55  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-31  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 16:49 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 16:49 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/16/21 16:49 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/16/21 16:49 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/16/21 16:49 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/16/21 16:49 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/16/21 16:49 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 16:49 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 16:49 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/16/21 16:49 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/16/21 16:49 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/16/21 16:49 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/16/21 16:49 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/16/21 16:49 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/16/21 16:49 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/16/21 16:49 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 16:49 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 16:49 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 16:49 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/16/21 16:49 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/16/21 16:49 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/16/21 16:49 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/16/21 16:49 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/16/21 16:49 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/16/21 16:49 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/16/21 16:49 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/16/21 16:49 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/16/21 16:49 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 16:49 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 16:49 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/16/21 16:49 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/16/21 16:49 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/16/21 16:49 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/16/21 16:49 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 08/16/21 16:49 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/16/21 16:49 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/16/21 16:49 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 16:49 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 16:49 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/16/21 16:49 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 16:49 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/16/21 16:49 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 16:49 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/16/21 16:49 | 1       |
| Dichlorodifluoromethane               | ND     | *         | 1.0  | 0.68  | ug/L |   |          | 08/16/21 16:49 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/16/21 16:49 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/16/21 16:49 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/16/21 16:49 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/16/21 16:49 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-05  
Date Collected: 08/04/21 13:55  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-31  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/16/21 16:49 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 16:49 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/16/21 16:49 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/16/21 16:49 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/16/21 16:49 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 16:49 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 16:49 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 16:49 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/16/21 16:49 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/16/21 16:49 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 16:49 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 16:49 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/16/21 16:49 | 1       |
| Trichloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 16:49 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/16/21 16:49 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/16/21 16:49 | 1       |
| Vinyl chloride            | ND     | *         | 0.50 | 0.40 | ug/L |   |          | 08/16/21 16:49 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 68 - 135 |          | 08/16/21 16:49 | 1       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 71 - 120 |          | 08/16/21 16:49 | 1       |
| Dibromofluoromethane         | 105       |           | 80 - 120 |          | 08/16/21 16:49 | 1       |
| Toluene-d8 (Surr)            | 99        |           | 80 - 120 |          | 08/16/21 16:49 | 1       |

Client Sample ID: HEW-01  
Date Collected: 08/04/21 14:10  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-32  
Matrix: Water

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 5.0 | 2.6  | ug/L |   |          | 08/16/21 17:16 | 10      |
| 1,1,1-Trichloroethane                 | ND     |           | 5.0 | 2.7  | ug/L |   |          | 08/16/21 17:16 | 10      |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 5.0 | 1.9  | ug/L |   |          | 08/16/21 17:16 | 10      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 5.0 | 2.5  | ug/L |   |          | 08/16/21 17:16 | 10      |
| 1,1,2-Trichloroethane                 | ND     |           | 5.0 | 0.85 | ug/L |   |          | 08/16/21 17:16 | 10      |
| 1,1-Dichloroethane                    | ND     |           | 5.0 | 3.5  | ug/L |   |          | 08/16/21 17:16 | 10      |
| 1,1-Dichloroethene                    | ND     |           | 5.0 | 3.9  | ug/L |   |          | 08/16/21 17:16 | 10      |
| 1,1-Dichloropropene                   | ND     |           | 5.0 | 2.4  | ug/L |   |          | 08/16/21 17:16 | 10      |
| 1,2,3-Trichlorobenzene                | ND     |           | 5.0 | 2.8  | ug/L |   |          | 08/16/21 17:16 | 10      |
| 1,2,3-Trichloropropane                | ND     |           | 5.0 | 3.2  | ug/L |   |          | 08/16/21 17:16 | 10      |
| 1,2,4-Trichlorobenzene                | ND     |           | 5.0 | 3.8  | ug/L |   |          | 08/16/21 17:16 | 10      |
| 1,2,4-Trimethylbenzene                | ND     |           | 5.0 | 2.9  | ug/L |   |          | 08/16/21 17:16 | 10      |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 10  | 6.4  | ug/L |   |          | 08/16/21 17:16 | 10      |
| 1,2-Dibromoethane                     | ND     |           | 5.0 | 1.4  | ug/L |   |          | 08/16/21 17:16 | 10      |
| 1,2-Dichlorobenzene                   | ND     |           | 5.0 | 2.3  | ug/L |   |          | 08/16/21 17:16 | 10      |
| 1,2-Dichloroethane                    | ND     |           | 5.0 | 1.5  | ug/L |   |          | 08/16/21 17:16 | 10      |
| 1,2-Dichloropropane                   | ND     |           | 5.0 | 2.4  | ug/L |   |          | 08/16/21 17:16 | 10      |
| 1,3,5-Trimethylbenzene                | ND     |           | 5.0 | 2.8  | ug/L |   |          | 08/16/21 17:16 | 10      |
| 1,3-Dichlorobenzene                   | ND     |           | 5.0 | 2.6  | ug/L |   |          | 08/16/21 17:16 | 10      |
| 1,3-Dichloropropane                   | ND     |           | 5.0 | 2.0  | ug/L |   |          | 08/16/21 17:16 | 10      |
| 1,4-Dichlorobenzene                   | ND     |           | 5.0 | 2.2  | ug/L |   |          | 08/16/21 17:16 | 10      |
| 2,2-Dichloropropane                   | ND     |           | 5.0 | 4.0  | ug/L |   |          | 08/16/21 17:16 | 10      |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HEW-01  
Date Collected: 08/04/21 14:10  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-32  
Matrix: Water

| Analyte                     | Result     | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|------------|-----------|-----|-----|------|---|----------|----------------|---------|
| 2-Butanone                  | ND         |           | 50  | 30  | ug/L |   |          | 08/16/21 17:16 | 10      |
| 2-Chlorotoluene             | ND         |           | 5.0 | 3.1 | ug/L |   |          | 08/16/21 17:16 | 10      |
| 2-Hexanone                  | ND         |           | 60  | 43  | ug/L |   |          | 08/16/21 17:16 | 10      |
| 4-Chlorotoluene             | ND         |           | 5.0 | 3.4 | ug/L |   |          | 08/16/21 17:16 | 10      |
| 4-Methyl-2-pentanone        | ND         |           | 50  | 22  | ug/L |   |          | 08/16/21 17:16 | 10      |
| Acetone                     | ND         |           | 80  | 40  | ug/L |   |          | 08/16/21 17:16 | 10      |
| Benzene                     | ND         |           | 5.0 | 2.7 | ug/L |   |          | 08/16/21 17:16 | 10      |
| Bromobenzene                | ND         |           | 5.0 | 2.6 | ug/L |   |          | 08/16/21 17:16 | 10      |
| Bromochloromethane          | ND         |           | 10  | 3.5 | ug/L |   |          | 08/16/21 17:16 | 10      |
| Bromodichloromethane        | ND         |           | 5.0 | 2.2 | ug/L |   |          | 08/16/21 17:16 | 10      |
| Bromoform                   | ND         |           | 5.0 | 3.9 | ug/L |   |          | 08/16/21 17:16 | 10      |
| Bromomethane                | ND         |           | 10  | 9.3 | ug/L |   |          | 08/16/21 17:16 | 10      |
| cis-1,2-Dichloroethene      | ND         |           | 5.0 | 3.0 | ug/L |   |          | 08/16/21 17:16 | 10      |
| cis-1,3-Dichloropropene     | ND         |           | 5.0 | 1.9 | ug/L |   |          | 08/16/21 17:16 | 10      |
| Carbon disulfide            | ND         |           | 10  | 2.4 | ug/L |   |          | 08/16/21 17:16 | 10      |
| Carbon tetrachloride        | ND         |           | 5.0 | 2.7 | ug/L |   |          | 08/16/21 17:16 | 10      |
| Chlorobenzene               | ND         |           | 5.0 | 2.4 | ug/L |   |          | 08/16/21 17:16 | 10      |
| Chloroethane                | ND         |           | 5.0 | 4.4 | ug/L |   |          | 08/16/21 17:16 | 10      |
| Chloroform                  | ND         |           | 5.0 | 2.8 | ug/L |   |          | 08/16/21 17:16 | 10      |
| Chloromethane               | ND         |           | 10  | 2.9 | ug/L |   |          | 08/16/21 17:16 | 10      |
| Dibromochloromethane        | ND         |           | 5.0 | 2.7 | ug/L |   |          | 08/16/21 17:16 | 10      |
| Dibromomethane              | ND         |           | 5.0 | 2.3 | ug/L |   |          | 08/16/21 17:16 | 10      |
| Dichlorodifluoromethane     | ND         | *         | 10  | 6.8 | ug/L |   |          | 08/16/21 17:16 | 10      |
| Ethylbenzene                | ND         |           | 5.0 | 3.6 | ug/L |   |          | 08/16/21 17:16 | 10      |
| Isopropylbenzene            | ND         |           | 5.0 | 3.8 | ug/L |   |          | 08/16/21 17:16 | 10      |
| Methylene Chloride          | ND         |           | 10  | 4.8 | ug/L |   |          | 08/16/21 17:16 | 10      |
| Methyl-t-Butyl Ether (MTBE) | ND         |           | 5.0 | 2.1 | ug/L |   |          | 08/16/21 17:16 | 10      |
| Naphthalene                 | ND         |           | 10  | 3.2 | ug/L |   |          | 08/16/21 17:16 | 10      |
| n-Butylbenzene              | ND         |           | 5.0 | 2.9 | ug/L |   |          | 08/16/21 17:16 | 10      |
| N-Propylbenzene             | ND         |           | 5.0 | 3.9 | ug/L |   |          | 08/16/21 17:16 | 10      |
| o-Xylene                    | ND         |           | 5.0 | 3.5 | ug/L |   |          | 08/16/21 17:16 | 10      |
| m,p-Xylene                  | ND         |           | 10  | 7.8 | ug/L |   |          | 08/16/21 17:16 | 10      |
| p-Isopropyltoluene          | ND         |           | 5.0 | 2.8 | ug/L |   |          | 08/16/21 17:16 | 10      |
| sec-Butylbenzene            | ND         |           | 5.0 | 3.4 | ug/L |   |          | 08/16/21 17:16 | 10      |
| Styrene                     | ND         |           | 5.0 | 2.8 | ug/L |   |          | 08/16/21 17:16 | 10      |
| trans-1,2-Dichloroethene    | ND         |           | 5.0 | 3.6 | ug/L |   |          | 08/16/21 17:16 | 10      |
| trans-1,3-Dichloropropene   | ND         |           | 5.0 | 1.7 | ug/L |   |          | 08/16/21 17:16 | 10      |
| tert-Butylbenzene           | ND         |           | 5.0 | 3.4 | ug/L |   |          | 08/16/21 17:16 | 10      |
| <b>Tetrachloroethene</b>    | <b>10</b>  |           | 5.0 | 2.9 | ug/L |   |          | 08/16/21 17:16 | 10      |
| Toluene                     | ND         |           | 5.0 | 3.3 | ug/L |   |          | 08/16/21 17:16 | 10      |
| <b>Trichloroethene</b>      | <b>670</b> |           | 5.0 | 2.9 | ug/L |   |          | 08/16/21 17:16 | 10      |
| Trichlorofluoromethane      | ND         |           | 5.0 | 3.0 | ug/L |   |          | 08/16/21 17:16 | 10      |
| Vinyl acetate               | ND         |           | 50  | 31  | ug/L |   |          | 08/16/21 17:16 | 10      |
| Vinyl chloride              | ND         | *         | 5.0 | 4.0 | ug/L |   |          | 08/16/21 17:16 | 10      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104       |           | 68 - 135 |          | 08/16/21 17:16 | 10      |
| 4-Bromofluorobenzene (Surr)  | 98        |           | 71 - 120 |          | 08/16/21 17:16 | 10      |
| Dibromofluoromethane         | 105       |           | 80 - 120 |          | 08/16/21 17:16 | 10      |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 08/16/21 17:16 | 10      |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: S-27  
Date Collected: 08/04/21 14:30  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-33  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 17:43 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 17:43 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/16/21 17:43 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/16/21 17:43 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/16/21 17:43 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/16/21 17:43 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/16/21 17:43 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 17:43 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 17:43 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/16/21 17:43 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/16/21 17:43 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/16/21 17:43 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/16/21 17:43 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/16/21 17:43 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/16/21 17:43 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/16/21 17:43 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 17:43 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 17:43 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 17:43 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/16/21 17:43 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/16/21 17:43 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/16/21 17:43 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/16/21 17:43 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/16/21 17:43 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/16/21 17:43 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/16/21 17:43 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/16/21 17:43 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/16/21 17:43 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 17:43 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 17:43 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/16/21 17:43 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/16/21 17:43 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/16/21 17:43 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/16/21 17:43 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 08/16/21 17:43 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/16/21 17:43 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/16/21 17:43 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 17:43 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 17:43 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/16/21 17:43 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 17:43 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/16/21 17:43 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 17:43 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/16/21 17:43 | 1       |
| Dichlorodifluoromethane               | ND     | *         | 1.0  | 0.68  | ug/L |   |          | 08/16/21 17:43 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/16/21 17:43 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/16/21 17:43 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/16/21 17:43 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/16/21 17:43 | 1       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-27  
Date Collected: 08/04/21 14:30  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-33  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/16/21 17:43 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 17:43 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/16/21 17:43 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/16/21 17:43 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/16/21 17:43 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 17:43 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 17:43 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 17:43 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/16/21 17:43 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/16/21 17:43 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 17:43 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 17:43 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/16/21 17:43 | 1       |
| Trichloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 17:43 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/16/21 17:43 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/16/21 17:43 | 1       |
| Vinyl chloride            | ND     | *         | 0.50 | 0.40 | ug/L |   |          | 08/16/21 17:43 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 107       |           | 68 - 135 |          | 08/16/21 17:43 | 1       |
| 4-Bromofluorobenzene (Surr)  | 98        |           | 71 - 120 |          | 08/16/21 17:43 | 1       |
| Dibromofluoromethane         | 105       |           | 80 - 120 |          | 08/16/21 17:43 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 08/16/21 17:43 | 1       |

Client Sample ID: UA-13D  
Date Collected: 08/04/21 14:00  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-34  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 18:11 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/16/21 18:11 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/16/21 18:11 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/16/21 18:11 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/16/21 18:11 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/16/21 18:11 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/16/21 18:11 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 18:11 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 18:11 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/16/21 18:11 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/16/21 18:11 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/16/21 18:11 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/16/21 18:11 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/16/21 18:11 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/16/21 18:11 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/16/21 18:11 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/16/21 18:11 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/16/21 18:11 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/16/21 18:11 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/16/21 18:11 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/16/21 18:11 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/16/21 18:11 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UA-13D  
Date Collected: 08/04/21 14:00  
Date Received: 08/04/21 16:42

Lab Sample ID: 570-66280-34  
Matrix: Water

| Analyte                     | Result      | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-------------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND          |           | 5.0  | 3.0  | ug/L |   |          | 08/16/21 18:11 | 1       |
| 2-Chlorotoluene             | ND          |           | 0.50 | 0.31 | ug/L |   |          | 08/16/21 18:11 | 1       |
| 2-Hexanone                  | ND          |           | 6.0  | 4.3  | ug/L |   |          | 08/16/21 18:11 | 1       |
| 4-Chlorotoluene             | ND          |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 18:11 | 1       |
| 4-Methyl-2-pentanone        | ND          |           | 5.0  | 2.2  | ug/L |   |          | 08/16/21 18:11 | 1       |
| Acetone                     | ND          |           | 8.0  | 4.0  | ug/L |   |          | 08/16/21 18:11 | 1       |
| Benzene                     | ND          |           | 0.50 | 0.27 | ug/L |   |          | 08/16/21 18:11 | 1       |
| Bromobenzene                | ND          |           | 0.50 | 0.26 | ug/L |   |          | 08/16/21 18:11 | 1       |
| Bromochloromethane          | ND          |           | 1.0  | 0.35 | ug/L |   |          | 08/16/21 18:11 | 1       |
| Bromodichloromethane        | ND          |           | 0.50 | 0.22 | ug/L |   |          | 08/16/21 18:11 | 1       |
| Bromoform                   | ND          |           | 0.50 | 0.39 | ug/L |   |          | 08/16/21 18:11 | 1       |
| Bromomethane                | ND          |           | 1.0  | 0.93 | ug/L |   |          | 08/16/21 18:11 | 1       |
| cis-1,2-Dichloroethene      | ND          |           | 0.50 | 0.30 | ug/L |   |          | 08/16/21 18:11 | 1       |
| cis-1,3-Dichloropropene     | ND          |           | 0.50 | 0.19 | ug/L |   |          | 08/16/21 18:11 | 1       |
| Carbon disulfide            | ND          |           | 1.0  | 0.24 | ug/L |   |          | 08/16/21 18:11 | 1       |
| Carbon tetrachloride        | ND          |           | 0.50 | 0.27 | ug/L |   |          | 08/16/21 18:11 | 1       |
| Chlorobenzene               | ND          |           | 0.50 | 0.24 | ug/L |   |          | 08/16/21 18:11 | 1       |
| Chloroethane                | ND          |           | 0.50 | 0.44 | ug/L |   |          | 08/16/21 18:11 | 1       |
| Chloroform                  | ND          |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 18:11 | 1       |
| Chloromethane               | ND          |           | 1.0  | 0.29 | ug/L |   |          | 08/16/21 18:11 | 1       |
| Dibromochloromethane        | ND          |           | 0.50 | 0.27 | ug/L |   |          | 08/16/21 18:11 | 1       |
| Dibromomethane              | ND          |           | 0.50 | 0.23 | ug/L |   |          | 08/16/21 18:11 | 1       |
| Dichlorodifluoromethane     | ND          | *         | 1.0  | 0.68 | ug/L |   |          | 08/16/21 18:11 | 1       |
| Ethylbenzene                | ND          |           | 0.50 | 0.36 | ug/L |   |          | 08/16/21 18:11 | 1       |
| Isopropylbenzene            | ND          |           | 0.50 | 0.38 | ug/L |   |          | 08/16/21 18:11 | 1       |
| Methylene Chloride          | ND          |           | 1.0  | 0.48 | ug/L |   |          | 08/16/21 18:11 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND          |           | 0.50 | 0.21 | ug/L |   |          | 08/16/21 18:11 | 1       |
| Naphthalene                 | ND          |           | 1.0  | 0.32 | ug/L |   |          | 08/16/21 18:11 | 1       |
| n-Butylbenzene              | ND          |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 18:11 | 1       |
| N-Propylbenzene             | ND          |           | 0.50 | 0.39 | ug/L |   |          | 08/16/21 18:11 | 1       |
| o-Xylene                    | ND          |           | 0.50 | 0.35 | ug/L |   |          | 08/16/21 18:11 | 1       |
| m,p-Xylene                  | ND          |           | 1.0  | 0.78 | ug/L |   |          | 08/16/21 18:11 | 1       |
| p-Isopropyltoluene          | ND          |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 18:11 | 1       |
| sec-Butylbenzene            | ND          |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 18:11 | 1       |
| Styrene                     | ND          |           | 0.50 | 0.28 | ug/L |   |          | 08/16/21 18:11 | 1       |
| trans-1,2-Dichloroethene    | ND          |           | 0.50 | 0.36 | ug/L |   |          | 08/16/21 18:11 | 1       |
| trans-1,3-Dichloropropene   | ND          |           | 0.50 | 0.17 | ug/L |   |          | 08/16/21 18:11 | 1       |
| tert-Butylbenzene           | ND          |           | 0.50 | 0.34 | ug/L |   |          | 08/16/21 18:11 | 1       |
| <b>Tetrachloroethene</b>    | <b>0.38</b> | <b>J</b>  | 0.50 | 0.29 | ug/L |   |          | 08/16/21 18:11 | 1       |
| Toluene                     | ND          |           | 0.50 | 0.33 | ug/L |   |          | 08/16/21 18:11 | 1       |
| Trichloroethene             | ND          |           | 0.50 | 0.29 | ug/L |   |          | 08/16/21 18:11 | 1       |
| Trichlorofluoromethane      | ND          |           | 0.50 | 0.30 | ug/L |   |          | 08/16/21 18:11 | 1       |
| Vinyl acetate               | ND          |           | 5.0  | 3.1  | ug/L |   |          | 08/16/21 18:11 | 1       |
| Vinyl chloride              | ND          | *         | 0.50 | 0.40 | ug/L |   |          | 08/16/21 18:11 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104       |           | 68 - 135 |          | 08/16/21 18:11 | 1       |
| 4-Bromofluorobenzene (Surr)  | 97        |           | 71 - 120 |          | 08/16/21 18:11 | 1       |
| Dibromofluoromethane         | 97        |           | 80 - 120 |          | 08/16/21 18:11 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 08/16/21 18:11 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

**Client Sample ID: HEW-02**  
**Date Collected: 08/03/21 08:10**  
**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-2**  
**Matrix: Water**

| Analyte                      | Result      | Qualifier  | RL       | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|-------------|------------|----------|------|------|---|----------|----------------|---------|
| Naphthalene                  | ND          | H          | 1.0      | 0.32 | ug/L |   |          | 08/18/21 15:14 | 1       |
| <b>Tetrachloroethene</b>     | <b>0.49</b> | <b>J H</b> | 0.50     | 0.29 | ug/L |   |          | 08/18/21 15:14 | 1       |
| Surrogate                    | %Recovery   | Qualifier  | Limits   |      |      |   | Prepared | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 103         |            | 68 - 135 |      |      |   |          | 08/18/21 15:14 | 1       |
| 4-Bromofluorobenzene (Surr)  | 91          |            | 71 - 120 |      |      |   |          | 08/18/21 15:14 | 1       |
| Dibromofluoromethane         | 99          |            | 80 - 120 |      |      |   |          | 08/18/21 15:14 | 1       |
| Toluene-d8 (Surr)            | 106         |            | 80 - 120 |      |      |   |          | 08/18/21 15:14 | 1       |

**Client Sample ID: UAX-0300**  
**Date Collected: 08/04/21 09:50**  
**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-5**  
**Matrix: Water**

| Analyte                      | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Tetrachloroethene            | ND        |           | 0.50     | 0.29 | ug/L |   |          | 08/18/21 15:40 | 1       |
| Surrogate                    | %Recovery | Qualifier | Limits   |      |      |   | Prepared | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 68 - 135 |      |      |   |          | 08/18/21 15:40 | 1       |
| 4-Bromofluorobenzene (Surr)  | 94        |           | 71 - 120 |      |      |   |          | 08/18/21 15:40 | 1       |
| Dibromofluoromethane         | 98        |           | 80 - 120 |      |      |   |          | 08/18/21 15:40 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |      |      |   |          | 08/18/21 15:40 | 1       |

**Client Sample ID: HEW-0500**  
**Date Collected: 08/03/21 08:35**  
**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-14**  
**Matrix: Water**

| Analyte                      | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Tetrachloroethene            | ND        | H         | 1.0      | 0.58 | ug/L |   |          | 08/18/21 16:05 | 2       |
| Surrogate                    | %Recovery | Qualifier | Limits   |      |      |   | Prepared | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 104       |           | 68 - 135 |      |      |   |          | 08/18/21 16:05 | 2       |
| 4-Bromofluorobenzene (Surr)  | 91        |           | 71 - 120 |      |      |   |          | 08/18/21 16:05 | 2       |
| Dibromofluoromethane         | 100       |           | 80 - 120 |      |      |   |          | 08/18/21 16:05 | 2       |
| Toluene-d8 (Surr)            | 104       |           | 80 - 120 |      |      |   |          | 08/18/21 16:05 | 2       |

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

**Client Sample ID: HEW-02**  
**Date Collected: 08/03/21 08:10**  
**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-2**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 1.1       |           | 0.50     | 0.34 | ug/L |   | 08/07/21 09:42 | 08/12/21 11:27 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 59        |           | 15 - 150 |      |      |   | 08/07/21 09:42 | 08/12/21 11:27 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 63        |           | 46 - 128 |      |      |   | 08/07/21 09:42 | 08/12/21 11:27 | 1       |

**Client Sample ID: HEW-04**  
**Date Collected: 08/04/21 08:25**  
**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-3**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 6.8       |           | 0.50     | 0.34 | ug/L |   | 08/07/21 09:42 | 08/12/21 11:13 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 49        |           | 15 - 150 |      |      |   | 08/07/21 09:42 | 08/12/21 11:13 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 67        |           | 46 - 128 |      |      |   | 08/07/21 09:42 | 08/12/21 11:13 | 1       |

**Client Sample ID: UAX-03**  
**Date Collected: 08/04/21 08:45**  
**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-4**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |           | 0.50     | 0.34 | ug/L |   | 08/07/21 09:42 | 08/12/21 13:54 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 55        |           | 15 - 150 |      |      |   | 08/07/21 09:42 | 08/12/21 13:54 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 67        |           | 46 - 128 |      |      |   | 08/07/21 09:42 | 08/12/21 13:54 | 1       |

**Client Sample ID: UAX-0300**  
**Date Collected: 08/04/21 09:50**  
**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-5**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |           | 0.50     | 0.34 | ug/L |   | 08/07/21 09:42 | 08/12/21 17:07 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 52        |           | 15 - 150 |      |      |   | 08/07/21 09:42 | 08/12/21 17:07 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 69        |           | 46 - 128 |      |      |   | 08/07/21 09:42 | 08/12/21 17:07 | 1       |

**Client Sample ID: LAX-01**  
**Date Collected: 08/04/21 10:10**  
**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-10**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |           | 0.50     | 0.34 | ug/L |   | 08/07/21 09:42 | 08/12/21 17:22 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 52        |           | 15 - 150 |      |      |   | 08/07/21 09:42 | 08/12/21 17:22 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 69        |           | 46 - 128 |      |      |   | 08/07/21 09:42 | 08/12/21 17:22 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

**Client Sample ID: HEW-05**  
**Date Collected: 08/03/21 08:30**  
**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-13**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |           | 0.50     | 0.34 | ug/L |   | 08/07/21 09:42 | 08/12/21 17:36 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 53        |           | 15 - 150 |      |      |   | 08/07/21 09:42 | 08/12/21 17:36 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 68        |           | 46 - 128 |      |      |   | 08/07/21 09:42 | 08/12/21 17:36 | 1       |

**Client Sample ID: HEW-0500**  
**Date Collected: 08/03/21 08:35**  
**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-14**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |           | 0.50     | 0.34 | ug/L |   | 08/07/21 09:42 | 08/12/21 17:51 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 53        |           | 15 - 150 |      |      |   | 08/07/21 09:42 | 08/12/21 17:51 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 71        |           | 46 - 128 |      |      |   | 08/07/21 09:42 | 08/12/21 17:51 | 1       |

**Client Sample ID: LAX-03**  
**Date Collected: 08/04/21 08:40**  
**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-15**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |           | 0.50     | 0.34 | ug/L |   | 08/07/21 09:42 | 08/12/21 18:06 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 49        |           | 15 - 150 |      |      |   | 08/07/21 09:42 | 08/12/21 18:06 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 68        |           | 46 - 128 |      |      |   | 08/07/21 09:42 | 08/12/21 18:06 | 1       |

**Client Sample ID: UAX-02**  
**Date Collected: 08/04/21 08:55**  
**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-16**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 1.4       |           | 0.50     | 0.34 | ug/L |   | 08/07/21 09:42 | 08/12/21 18:20 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 50        |           | 15 - 150 |      |      |   | 08/07/21 09:42 | 08/12/21 18:20 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 73        |           | 46 - 128 |      |      |   | 08/07/21 09:42 | 08/12/21 18:20 | 1       |

**Client Sample ID: LAX-02**  
**Date Collected: 08/04/21 09:25**  
**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-18**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |           | 0.50     | 0.34 | ug/L |   | 08/07/21 09:42 | 08/12/21 18:35 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 57        |           | 15 - 150 |      |      |   | 08/07/21 09:42 | 08/12/21 18:35 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 68        |           | 46 - 128 |      |      |   | 08/07/21 09:42 | 08/12/21 18:35 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

**Client Sample ID: UAX-01**  
**Date Collected: 08/04/21 13:15**  
**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-28**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |           | 0.50     | 0.34 | ug/L |   | 08/07/21 09:42 | 08/12/21 18:50 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 47        |           | 15 - 150 |      |      |   | 08/07/21 09:42 | 08/12/21 18:50 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 65        |           | 46 - 128 |      |      |   | 08/07/21 09:42 | 08/12/21 18:50 | 1       |

**Client Sample ID: HEW-01**  
**Date Collected: 08/04/21 14:10**  
**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-32**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 1.8       |           | 0.50     | 0.34 | ug/L |   | 08/07/21 09:42 | 08/12/21 19:04 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 51        |           | 15 - 150 |      |      |   | 08/07/21 09:42 | 08/12/21 19:04 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 68        |           | 46 - 128 |      |      |   | 08/07/21 09:42 | 08/12/21 19:04 | 1       |

# Surrogate Summary

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID      | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                 |                  |                 |
|--------------------|------------------------|------------------------------------------------|-----------------|------------------|-----------------|
|                    |                        | DCA<br>(68-135)                                | BFB<br>(71-120) | DBFM<br>(80-120) | TOL<br>(80-120) |
| 570-66280-1        | TB-080321              | 108                                            | 94              | 101              | 101             |
| 570-66280-2        | HEW-02                 | 102                                            | 95              | 96               | 104             |
| 570-66280-2 - RA   | HEW-02                 | 103                                            | 91              | 99               | 106             |
| 570-66280-3        | HEW-04                 | 110                                            | 92              | 102              | 100             |
| 570-66280-3 MS     | HEW-04                 | 96                                             | 102             | 100              | 101             |
| 570-66280-3 MSD    | HEW-04                 | 100                                            | 101             | 104              | 100             |
| 570-66280-4        | UAX-03                 | 111                                            | 94              | 102              | 101             |
| 570-66280-5        | UAX-0300               | 105                                            | 92              | 98               | 100             |
| 570-66280-5 - RA   | UAX-0300               | 103                                            | 94              | 98               | 100             |
| 570-66280-6        | S-21                   | 110                                            | 91              | 101              | 100             |
| 570-66280-7        | UA-15D                 | 107                                            | 91              | 100              | 101             |
| 570-66280-8        | S-24                   | 106                                            | 92              | 98               | 100             |
| 570-66280-9        | RB-080421A             | 109                                            | 91              | 102              | 102             |
| 570-66280-10       | LAX-01                 | 109                                            | 93              | 101              | 100             |
| 570-66280-11       | UA-16D                 | 109                                            | 89              | 104              | 101             |
| 570-66280-12       | UA-17D                 | 107                                            | 91              | 104              | 100             |
| 570-66280-13       | HEW-05                 | 106                                            | 92              | 101              | 103             |
| 570-66280-14       | HEW-0500               | 104                                            | 94              | 99               | 103             |
| 570-66280-14 - RA  | HEW-0500               | 104                                            | 91              | 100              | 104             |
| 570-66280-15       | LAX-03                 | 105                                            | 90              | 102              | 101             |
| 570-66280-16       | UAX-02                 | 110                                            | 90              | 103              | 102             |
| 570-66280-17       | S-14                   | 108                                            | 90              | 103              | 100             |
| 570-66280-18       | LAX-02                 | 106                                            | 90              | 99               | 102             |
| 570-66280-19       | UA-06                  | 100                                            | 99              | 105              | 103             |
| 570-66280-20       | S-26                   | 100                                            | 97              | 95               | 103             |
| 570-66280-20 MS    | S-26                   | 103                                            | 104             | 99               | 102             |
| 570-66280-20 MSD   | S-26                   | 102                                            | 102             | 97               | 100             |
| 570-66280-21       | UA-06D                 | 100                                            | 96              | 97               | 102             |
| 570-66280-22       | UA-07D                 | 101                                            | 99              | 96               | 99              |
| 570-66280-23       | UA-07                  | 102                                            | 94              | 102              | 100             |
| 570-66280-24       | RB-080421B             | 104                                            | 94              | 106              | 100             |
| 570-66280-25       | TB-080421              | 96                                             | 92              | 101              | 100             |
| 570-66280-26       | S-03                   | 104                                            | 93              | 101              | 101             |
| 570-66280-27       | UA-04D                 | 106                                            | 97              | 105              | 101             |
| 570-66280-28       | UAX-01                 | 107                                            | 96              | 106              | 100             |
| 570-66280-29       | S-04                   | 108                                            | 97              | 104              | 105             |
| 570-66280-30       | S-18                   | 103                                            | 96              | 103              | 101             |
| 570-66280-31       | S-05                   | 106                                            | 92              | 105              | 99              |
| 570-66280-32       | HEW-01                 | 104                                            | 98              | 105              | 100             |
| 570-66280-33       | S-27                   | 107                                            | 98              | 105              | 100             |
| 570-66280-34       | UA-13D                 | 104                                            | 97              | 97               | 100             |
| LCS 570-171238/28  | Lab Control Sample     | 101                                            | 100             | 104              | 101             |
| LCS 570-171501/3   | Lab Control Sample     | 99                                             | 101             | 100              | 104             |
| LCS 570-171896/3   | Lab Control Sample     | 97                                             | 101             | 101              | 100             |
| LCS 570-172242/3   | Lab Control Sample     | 95                                             | 100             | 97               | 100             |
| LCSD 570-171238/29 | Lab Control Sample Dup | 98                                             | 103             | 101              | 101             |
| LCSD 570-171501/4  | Lab Control Sample Dup | 101                                            | 101             | 100              | 105             |
| LCSD 570-171896/4  | Lab Control Sample Dup | 100                                            | 102             | 102              | 99              |
| LCSD 570-172242/4  | Lab Control Sample Dup | 91                                             | 100             | 99               | 98              |

Eurofins Calscience LLC

# Surrogate Summary

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID   | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) |                 |                  |                 |
|-----------------|------------------|------------------------------------------------|-----------------|------------------|-----------------|
|                 |                  | DCA<br>(68-135)                                | BFB<br>(71-120) | DBFM<br>(80-120) | TOL<br>(80-120) |
| MB 570-171238/5 | Method Blank     | 106                                            | 94              | 100              | 99              |
| MB 570-171501/6 | Method Blank     | 104                                            | 95              | 101              | 102             |
| MB 570-171896/6 | Method Blank     | 110                                            | 91              | 103              | 101             |
| MB 570-172242/6 | Method Blank     | 99                                             | 94              | 96               | 99              |

**Surrogate Legend**

DCA = 1,2-Dichloroethane-d4 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
DBFM = Dibromofluoromethane  
TOL = Toluene-d8 (Surr)

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID       | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |  |  |  |
|---------------------|------------------------|------------------------------------------------|--|--|--|
|                     |                        | NBZ<br>(46-128)                                |  |  |  |
| 570-66280-2         | HEW-02                 | 63                                             |  |  |  |
| 570-66280-3         | HEW-04                 | 67                                             |  |  |  |
| 570-66280-3 MS      | HEW-04                 | 66                                             |  |  |  |
| 570-66280-3 MSD     | HEW-04                 | 64                                             |  |  |  |
| 570-66280-4         | UAX-03                 | 67                                             |  |  |  |
| 570-66280-5         | UAX-0300               | 69                                             |  |  |  |
| 570-66280-10        | LAX-01                 | 69                                             |  |  |  |
| 570-66280-13        | HEW-05                 | 68                                             |  |  |  |
| 570-66280-14        | HEW-0500               | 71                                             |  |  |  |
| 570-66280-15        | LAX-03                 | 68                                             |  |  |  |
| 570-66280-16        | UAX-02                 | 73                                             |  |  |  |
| 570-66280-18        | LAX-02                 | 68                                             |  |  |  |
| 570-66280-28        | UAX-01                 | 65                                             |  |  |  |
| 570-66280-32        | HEW-01                 | 68                                             |  |  |  |
| LCS 570-169645/2-A  | Lab Control Sample     | 68                                             |  |  |  |
| LCSD 570-169645/3-A | Lab Control Sample Dup | 65                                             |  |  |  |
| MB 570-169645/1-A   | Method Blank           | 71                                             |  |  |  |

**Surrogate Legend**

NBZ = Nitrobenzene-d5



# Isotope Dilution Summary

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

**Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)**

**Matrix: Water**

**Prep Type: Total/NA**

## Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | DXE      |  |
|---------------------|------------------------|----------|--|
|                     |                        | (15-150) |  |
| 570-66280-2         | HEW-02                 | 59       |  |
| 570-66280-3         | HEW-04                 | 49       |  |
| 570-66280-3 MS      | HEW-04                 | 53       |  |
| 570-66280-3 MSD     | HEW-04                 | 55       |  |
| 570-66280-4         | UAX-03                 | 55       |  |
| 570-66280-5         | UAX-0300               | 52       |  |
| 570-66280-10        | LAX-01                 | 52       |  |
| 570-66280-13        | HEW-05                 | 53       |  |
| 570-66280-14        | HEW-0500               | 53       |  |
| 570-66280-15        | LAX-03                 | 49       |  |
| 570-66280-16        | UAX-02                 | 50       |  |
| 570-66280-18        | LAX-02                 | 57       |  |
| 570-66280-28        | UAX-01                 | 47       |  |
| 570-66280-32        | HEW-01                 | 51       |  |
| LCS 570-169645/2-A  | Lab Control Sample     | 55       |  |
| LCSD 570-169645/3-A | Lab Control Sample Dup | 55       |  |
| MB 570-169645/1-A   | Method Blank           | 50       |  |

### Surrogate Legend

DXE = 1,4-Dioxane-d8

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-171238/5

Matrix: Water

Analysis Batch: 171238

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB Result | MB Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND        |              | 0.50 | 0.26  | ug/L |   |          | 08/13/21 23:00 | 1       |
| 1,1,1-Trichloroethane                 | ND        |              | 0.50 | 0.27  | ug/L |   |          | 08/13/21 23:00 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND        |              | 0.50 | 0.19  | ug/L |   |          | 08/13/21 23:00 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND        |              | 0.50 | 0.25  | ug/L |   |          | 08/13/21 23:00 | 1       |
| 1,1,2-Trichloroethane                 | ND        |              | 0.50 | 0.085 | ug/L |   |          | 08/13/21 23:00 | 1       |
| 1,1-Dichloroethane                    | ND        |              | 0.50 | 0.35  | ug/L |   |          | 08/13/21 23:00 | 1       |
| 1,1-Dichloroethene                    | ND        |              | 0.50 | 0.39  | ug/L |   |          | 08/13/21 23:00 | 1       |
| 1,1-Dichloropropene                   | ND        |              | 0.50 | 0.24  | ug/L |   |          | 08/13/21 23:00 | 1       |
| 1,2,3-Trichlorobenzene                | ND        |              | 0.50 | 0.28  | ug/L |   |          | 08/13/21 23:00 | 1       |
| 1,2,3-Trichloropropane                | ND        |              | 0.50 | 0.32  | ug/L |   |          | 08/13/21 23:00 | 1       |
| 1,2,4-Trichlorobenzene                | ND        |              | 0.50 | 0.38  | ug/L |   |          | 08/13/21 23:00 | 1       |
| 1,2,4-Trimethylbenzene                | ND        |              | 0.50 | 0.29  | ug/L |   |          | 08/13/21 23:00 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND        |              | 1.0  | 0.64  | ug/L |   |          | 08/13/21 23:00 | 1       |
| 1,2-Dibromoethane                     | ND        |              | 0.50 | 0.14  | ug/L |   |          | 08/13/21 23:00 | 1       |
| 1,2-Dichlorobenzene                   | ND        |              | 0.50 | 0.23  | ug/L |   |          | 08/13/21 23:00 | 1       |
| 1,2-Dichloroethane                    | ND        |              | 0.50 | 0.15  | ug/L |   |          | 08/13/21 23:00 | 1       |
| 1,2-Dichloropropane                   | ND        |              | 0.50 | 0.24  | ug/L |   |          | 08/13/21 23:00 | 1       |
| 1,3,5-Trimethylbenzene                | ND        |              | 0.50 | 0.28  | ug/L |   |          | 08/13/21 23:00 | 1       |
| 1,3-Dichlorobenzene                   | ND        |              | 0.50 | 0.26  | ug/L |   |          | 08/13/21 23:00 | 1       |
| 1,3-Dichloropropane                   | ND        |              | 0.50 | 0.20  | ug/L |   |          | 08/13/21 23:00 | 1       |
| 1,4-Dichlorobenzene                   | ND        |              | 0.50 | 0.22  | ug/L |   |          | 08/13/21 23:00 | 1       |
| 2,2-Dichloropropane                   | ND        |              | 0.50 | 0.40  | ug/L |   |          | 08/13/21 23:00 | 1       |
| 2-Butanone                            | ND        |              | 5.0  | 3.0   | ug/L |   |          | 08/13/21 23:00 | 1       |
| 2-Chlorotoluene                       | ND        |              | 0.50 | 0.31  | ug/L |   |          | 08/13/21 23:00 | 1       |
| 2-Hexanone                            | ND        |              | 6.0  | 4.3   | ug/L |   |          | 08/13/21 23:00 | 1       |
| 4-Chlorotoluene                       | ND        |              | 0.50 | 0.34  | ug/L |   |          | 08/13/21 23:00 | 1       |
| 4-Methyl-2-pentanone                  | ND        |              | 5.0  | 2.2   | ug/L |   |          | 08/13/21 23:00 | 1       |
| Acetone                               | ND        |              | 8.0  | 4.0   | ug/L |   |          | 08/13/21 23:00 | 1       |
| Benzene                               | ND        |              | 0.50 | 0.27  | ug/L |   |          | 08/13/21 23:00 | 1       |
| Bromobenzene                          | ND        |              | 0.50 | 0.26  | ug/L |   |          | 08/13/21 23:00 | 1       |
| Bromochloromethane                    | ND        |              | 1.0  | 0.35  | ug/L |   |          | 08/13/21 23:00 | 1       |
| Bromodichloromethane                  | ND        |              | 0.50 | 0.22  | ug/L |   |          | 08/13/21 23:00 | 1       |
| Bromoform                             | ND        |              | 0.50 | 0.39  | ug/L |   |          | 08/13/21 23:00 | 1       |
| Bromomethane                          | ND        |              | 1.0  | 0.93  | ug/L |   |          | 08/13/21 23:00 | 1       |
| cis-1,2-Dichloroethene                | ND        |              | 0.50 | 0.30  | ug/L |   |          | 08/13/21 23:00 | 1       |
| cis-1,3-Dichloropropene               | ND        |              | 0.50 | 0.19  | ug/L |   |          | 08/13/21 23:00 | 1       |
| Carbon disulfide                      | ND        |              | 1.0  | 0.24  | ug/L |   |          | 08/13/21 23:00 | 1       |
| Carbon tetrachloride                  | ND        |              | 0.50 | 0.27  | ug/L |   |          | 08/13/21 23:00 | 1       |
| Chlorobenzene                         | ND        |              | 0.50 | 0.24  | ug/L |   |          | 08/13/21 23:00 | 1       |
| Chloroethane                          | ND        |              | 0.50 | 0.44  | ug/L |   |          | 08/13/21 23:00 | 1       |
| Chloroform                            | ND        |              | 0.50 | 0.28  | ug/L |   |          | 08/13/21 23:00 | 1       |
| Chloromethane                         | ND        |              | 1.0  | 0.29  | ug/L |   |          | 08/13/21 23:00 | 1       |
| Dibromochloromethane                  | ND        |              | 0.50 | 0.27  | ug/L |   |          | 08/13/21 23:00 | 1       |
| Dibromomethane                        | ND        |              | 0.50 | 0.23  | ug/L |   |          | 08/13/21 23:00 | 1       |
| Dichlorodifluoromethane               | ND        |              | 1.0  | 0.68  | ug/L |   |          | 08/13/21 23:00 | 1       |
| Ethylbenzene                          | ND        |              | 0.50 | 0.36  | ug/L |   |          | 08/13/21 23:00 | 1       |
| Isopropylbenzene                      | ND        |              | 0.50 | 0.38  | ug/L |   |          | 08/13/21 23:00 | 1       |
| Methylene Chloride                    | ND        |              | 1.0  | 0.48  | ug/L |   |          | 08/13/21 23:00 | 1       |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-171238/5

Matrix: Water

Analysis Batch: 171238

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|------|------|------|---|----------|----------------|---------|
| Methyl-t-Butyl Ether (MTBE) | ND        |              | 0.50 | 0.21 | ug/L |   |          | 08/13/21 23:00 | 1       |
| Naphthalene                 | ND        |              | 1.0  | 0.32 | ug/L |   |          | 08/13/21 23:00 | 1       |
| n-Butylbenzene              | ND        |              | 0.50 | 0.29 | ug/L |   |          | 08/13/21 23:00 | 1       |
| N-Propylbenzene             | ND        |              | 0.50 | 0.39 | ug/L |   |          | 08/13/21 23:00 | 1       |
| o-Xylene                    | ND        |              | 0.50 | 0.35 | ug/L |   |          | 08/13/21 23:00 | 1       |
| m,p-Xylene                  | ND        |              | 1.0  | 0.78 | ug/L |   |          | 08/13/21 23:00 | 1       |
| p-Isopropyltoluene          | ND        |              | 0.50 | 0.28 | ug/L |   |          | 08/13/21 23:00 | 1       |
| sec-Butylbenzene            | ND        |              | 0.50 | 0.34 | ug/L |   |          | 08/13/21 23:00 | 1       |
| Styrene                     | ND        |              | 0.50 | 0.28 | ug/L |   |          | 08/13/21 23:00 | 1       |
| trans-1,2-Dichloroethene    | ND        |              | 0.50 | 0.36 | ug/L |   |          | 08/13/21 23:00 | 1       |
| trans-1,3-Dichloropropene   | ND        |              | 0.50 | 0.17 | ug/L |   |          | 08/13/21 23:00 | 1       |
| tert-Butylbenzene           | ND        |              | 0.50 | 0.34 | ug/L |   |          | 08/13/21 23:00 | 1       |
| Tetrachloroethene           | ND        |              | 0.50 | 0.29 | ug/L |   |          | 08/13/21 23:00 | 1       |
| Toluene                     | ND        |              | 0.50 | 0.33 | ug/L |   |          | 08/13/21 23:00 | 1       |
| Trichloroethene             | ND        |              | 0.50 | 0.29 | ug/L |   |          | 08/13/21 23:00 | 1       |
| Trichlorofluoromethane      | ND        |              | 0.50 | 0.30 | ug/L |   |          | 08/13/21 23:00 | 1       |
| Vinyl acetate               | ND        |              | 5.0  | 3.1  | ug/L |   |          | 08/13/21 23:00 | 1       |
| Vinyl chloride              | ND        |              | 0.50 | 0.40 | ug/L |   |          | 08/13/21 23:00 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 106          |              | 68 - 135 |          | 08/13/21 23:00 | 1       |
| 4-Bromofluorobenzene (Surr)  | 94           |              | 71 - 120 |          | 08/13/21 23:00 | 1       |
| Dibromofluoromethane         | 100          |              | 80 - 120 |          | 08/13/21 23:00 | 1       |
| Toluene-d8 (Surr)            | 99           |              | 80 - 120 |          | 08/13/21 23:00 | 1       |

Lab Sample ID: LCS 570-171238/28

Matrix: Water

Analysis Batch: 171238

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,1,1,2-Tetrachloroethane             | 10.0        | 9.842      |               | ug/L |   | 98   | 76 - 143     |
| 1,1,1-Trichloroethane                 | 10.0        | 10.07      |               | ug/L |   | 101  | 75 - 128     |
| 1,1,2,2-Tetrachloroethane             | 10.0        | 10.90      |               | ug/L |   | 109  | 73 - 126     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0        | 10.34      |               | ug/L |   | 103  | 50 - 120     |
| 1,1,2-Trichloroethane                 | 10.0        | 10.06      |               | ug/L |   | 101  | 80 - 120     |
| 1,1-Dichloroethane                    | 10.0        | 10.05      |               | ug/L |   | 100  | 76 - 120     |
| 1,1-Dichloroethene                    | 10.0        | 10.18      |               | ug/L |   | 102  | 72 - 120     |
| 1,1-Dichloropropene                   | 10.0        | 10.13      |               | ug/L |   | 101  | 76 - 120     |
| 1,2,3-Trichlorobenzene                | 10.0        | 11.25      |               | ug/L |   | 113  | 80 - 125     |
| 1,2,3-Trichloropropane                | 10.0        | 10.09      |               | ug/L |   | 101  | 66 - 131     |
| 1,2,4-Trichlorobenzene                | 10.0        | 10.93      |               | ug/L |   | 109  | 80 - 123     |
| 1,2,4-Trimethylbenzene                | 10.0        | 10.82      |               | ug/L |   | 108  | 78 - 125     |
| 1,2-Dibromo-3-Chloropropane           | 10.0        | 10.25      |               | ug/L |   | 102  | 77 - 120     |
| 1,2-Dibromoethane                     | 10.0        | 10.13      |               | ug/L |   | 101  | 80 - 120     |
| 1,2-Dichlorobenzene                   | 10.0        | 10.29      |               | ug/L |   | 103  | 79 - 123     |
| 1,2-Dichloroethane                    | 10.0        | 10.13      |               | ug/L |   | 101  | 71 - 137     |
| 1,2-Dichloropropane                   | 10.0        | 9.934      |               | ug/L |   | 99   | 80 - 120     |
| 1,3,5-Trimethylbenzene                | 10.0        | 10.53      |               | ug/L |   | 105  | 77 - 133     |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-171238/28

Matrix: Water

Analysis Batch: 171238

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,3-Dichlorobenzene         | 10.0        | 10.13      |               | ug/L |   | 101  | 79 - 123     |
| 1,3-Dichloropropane         | 10.0        | 10.04      |               | ug/L |   | 100  | 80 - 123     |
| 1,4-Dichlorobenzene         | 10.0        | 9.944      |               | ug/L |   | 99   | 75 - 123     |
| 2,2-Dichloropropane         | 10.0        | 11.05      |               | ug/L |   | 111  | 78 - 133     |
| 2-Butanone                  | 10.0        | 10.70      |               | ug/L |   | 107  | 32 - 133     |
| 2-Chlorotoluene             | 10.0        | 10.00      |               | ug/L |   | 100  | 80 - 120     |
| 2-Hexanone                  | 10.0        | 10.51      |               | ug/L |   | 105  | 57 - 127     |
| 4-Chlorotoluene             | 10.0        | 10.35      |               | ug/L |   | 103  | 78 - 120     |
| 4-Methyl-2-pentanone        | 10.0        | 10.38      |               | ug/L |   | 104  | 68 - 120     |
| Acetone                     | 10.0        | 9.325      |               | ug/L |   | 93   | 57 - 133     |
| Benzene                     | 10.0        | 9.945      |               | ug/L |   | 99   | 80 - 120     |
| Bromobenzene                | 10.0        | 10.04      |               | ug/L |   | 100  | 80 - 124     |
| Bromochloromethane          | 10.0        | 10.14      |               | ug/L |   | 101  | 76 - 125     |
| Bromodichloromethane        | 10.0        | 10.30      |               | ug/L |   | 103  | 77 - 141     |
| Bromoform                   | 10.0        | 10.33      |               | ug/L |   | 103  | 46 - 178     |
| Bromomethane                | 10.0        | 9.841      |               | ug/L |   | 98   | 52 - 162     |
| cis-1,2-Dichloroethene      | 10.0        | 10.14      |               | ug/L |   | 101  | 76 - 122     |
| cis-1,3-Dichloropropene     | 10.0        | 10.34      |               | ug/L |   | 103  | 80 - 122     |
| Carbon disulfide            | 10.0        | 10.18      |               | ug/L |   | 102  | 66 - 125     |
| Carbon tetrachloride        | 10.0        | 10.45      |               | ug/L |   | 104  | 69 - 145     |
| Chlorobenzene               | 10.0        | 9.679      |               | ug/L |   | 97   | 80 - 120     |
| Chloroethane                | 10.0        | 11.18      |               | ug/L |   | 112  | 73 - 139     |
| Chloroform                  | 10.0        | 10.09      |               | ug/L |   | 101  | 80 - 120     |
| Chloromethane               | 10.0        | 9.184      |               | ug/L |   | 92   | 35 - 159     |
| Dibromochloromethane        | 10.0        | 10.46      |               | ug/L |   | 105  | 63 - 151     |
| Dibromomethane              | 10.0        | 10.18      |               | ug/L |   | 102  | 80 - 121     |
| Dichlorodifluoromethane     | 10.0        | 8.977      |               | ug/L |   | 90   | 59 - 139     |
| Ethylbenzene                | 10.0        | 10.20      |               | ug/L |   | 102  | 80 - 120     |
| Isopropylbenzene            | 10.0        | 10.62      |               | ug/L |   | 106  | 80 - 124     |
| Methylene Chloride          | 10.0        | 11.03      |               | ug/L |   | 110  | 70 - 120     |
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 10.32      |               | ug/L |   | 103  | 72 - 120     |
| Naphthalene                 | 10.0        | 10.47      |               | ug/L |   | 105  | 75 - 120     |
| n-Butylbenzene              | 10.0        | 11.13      |               | ug/L |   | 111  | 76 - 124     |
| N-Propylbenzene             | 10.0        | 10.62      |               | ug/L |   | 106  | 80 - 122     |
| o-Xylene                    | 10.0        | 10.43      |               | ug/L |   | 104  | 80 - 122     |
| m,p-Xylene                  | 20.0        | 20.66      |               | ug/L |   | 103  | 80 - 122     |
| p-Isopropyltoluene          | 10.0        | 10.90      |               | ug/L |   | 109  | 77 - 127     |
| sec-Butylbenzene            | 10.0        | 10.74      |               | ug/L |   | 107  | 75 - 123     |
| Styrene                     | 10.0        | 10.68      |               | ug/L |   | 107  | 80 - 121     |
| trans-1,2-Dichloroethene    | 10.0        | 9.864      |               | ug/L |   | 99   | 67 - 123     |
| trans-1,3-Dichloropropene   | 10.0        | 10.31      |               | ug/L |   | 103  | 78 - 140     |
| tert-Butylbenzene           | 10.0        | 10.45      |               | ug/L |   | 104  | 72 - 128     |
| Tetrachloroethene           | 10.0        | 10.06      |               | ug/L |   | 101  | 80 - 128     |
| Toluene                     | 10.0        | 9.958      |               | ug/L |   | 100  | 80 - 120     |
| Trichloroethene             | 10.0        | 9.658      |               | ug/L |   | 97   | 80 - 123     |
| Trichlorofluoromethane      | 10.0        | 10.48      |               | ug/L |   | 105  | 64 - 168     |
| Vinyl acetate               | 10.0        | 12.77      |               | ug/L |   | 128  | 75 - 144     |
| Vinyl chloride              | 10.0        | 9.636      |               | ug/L |   | 96   | 74 - 130     |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-171238/28

Matrix: Water

Analysis Batch: 171238

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Surrogate                    | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|------------------------------|------------------|------------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 101              |                  | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 100              |                  | 71 - 120 |
| Dibromofluoromethane         | 104              |                  | 80 - 120 |
| Toluene-d8 (Surr)            | 101              |                  | 80 - 120 |

Lab Sample ID: LCSD 570-171238/29

Matrix: Water

Analysis Batch: 171238

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|---------------------------------------|----------------|----------------|-------------------|------|---|------|-----------------|-----|--------------|
| 1,1,1,2-Tetrachloroethane             | 10.0           | 10.54          |                   | ug/L |   | 105  | 76 - 143        | 7   | 20           |
| 1,1,1-Trichloroethane                 | 10.0           | 11.12          |                   | ug/L |   | 111  | 75 - 128        | 10  | 20           |
| 1,1,2,2-Tetrachloroethane             | 10.0           | 11.01          |                   | ug/L |   | 110  | 73 - 126        | 1   | 21           |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0           | 11.22          |                   | ug/L |   | 112  | 50 - 120        | 8   | 20           |
| 1,1,2-Trichloroethane                 | 10.0           | 10.44          |                   | ug/L |   | 104  | 80 - 120        | 4   | 20           |
| 1,1-Dichloroethane                    | 10.0           | 10.85          |                   | ug/L |   | 109  | 76 - 120        | 8   | 20           |
| 1,1-Dichloroethene                    | 10.0           | 11.34          |                   | ug/L |   | 113  | 72 - 120        | 11  | 20           |
| 1,1-Dichloropropene                   | 10.0           | 11.35          |                   | ug/L |   | 113  | 76 - 120        | 11  | 20           |
| 1,2,3-Trichlorobenzene                | 10.0           | 11.65          |                   | ug/L |   | 117  | 80 - 125        | 3   | 22           |
| 1,2,3-Trichloropropane                | 10.0           | 10.71          |                   | ug/L |   | 107  | 66 - 131        | 6   | 20           |
| 1,2,4-Trichlorobenzene                | 10.0           | 11.37          |                   | ug/L |   | 114  | 80 - 123        | 4   | 20           |
| 1,2,4-Trimethylbenzene                | 10.0           | 11.17          |                   | ug/L |   | 112  | 78 - 125        | 3   | 22           |
| 1,2-Dibromo-3-Chloropropane           | 10.0           | 10.38          |                   | ug/L |   | 104  | 77 - 120        | 1   | 21           |
| 1,2-Dibromoethane                     | 10.0           | 10.61          |                   | ug/L |   | 106  | 80 - 120        | 5   | 20           |
| 1,2-Dichlorobenzene                   | 10.0           | 10.48          |                   | ug/L |   | 105  | 79 - 123        | 2   | 20           |
| 1,2-Dichloroethane                    | 10.0           | 10.85          |                   | ug/L |   | 108  | 71 - 137        | 7   | 20           |
| 1,2-Dichloropropane                   | 10.0           | 10.76          |                   | ug/L |   | 108  | 80 - 120        | 8   | 20           |
| 1,3,5-Trimethylbenzene                | 10.0           | 11.24          |                   | ug/L |   | 112  | 77 - 133        | 6   | 20           |
| 1,3-Dichlorobenzene                   | 10.0           | 10.50          |                   | ug/L |   | 105  | 79 - 123        | 4   | 20           |
| 1,3-Dichloropropane                   | 10.0           | 10.52          |                   | ug/L |   | 105  | 80 - 123        | 5   | 20           |
| 1,4-Dichlorobenzene                   | 10.0           | 10.28          |                   | ug/L |   | 103  | 75 - 123        | 3   | 22           |
| 2,2-Dichloropropane                   | 10.0           | 12.12          |                   | ug/L |   | 121  | 78 - 133        | 9   | 20           |
| 2-Butanone                            | 10.0           | 11.55          |                   | ug/L |   | 115  | 32 - 133        | 8   | 26           |
| 2-Chlorotoluene                       | 10.0           | 10.81          |                   | ug/L |   | 108  | 80 - 120        | 8   | 20           |
| 2-Hexanone                            | 10.0           | 11.98          |                   | ug/L |   | 120  | 57 - 127        | 13  | 21           |
| 4-Chlorotoluene                       | 10.0           | 10.71          |                   | ug/L |   | 107  | 78 - 120        | 3   | 21           |
| 4-Methyl-2-pentanone                  | 10.0           | 11.16          |                   | ug/L |   | 112  | 68 - 120        | 7   | 20           |
| Acetone                               | 10.0           | 9.798          |                   | ug/L |   | 98   | 57 - 133        | 5   | 28           |
| Benzene                               | 10.0           | 10.85          |                   | ug/L |   | 109  | 80 - 120        | 9   | 20           |
| Bromobenzene                          | 10.0           | 10.62          |                   | ug/L |   | 106  | 80 - 124        | 6   | 20           |
| Bromochloromethane                    | 10.0           | 10.67          |                   | ug/L |   | 107  | 76 - 125        | 5   | 20           |
| Bromodichloromethane                  | 10.0           | 11.00          |                   | ug/L |   | 110  | 77 - 141        | 7   | 20           |
| Bromoform                             | 10.0           | 10.70          |                   | ug/L |   | 107  | 46 - 178        | 4   | 23           |
| Bromomethane                          | 10.0           | 9.704          |                   | ug/L |   | 97   | 52 - 162        | 1   | 20           |
| cis-1,2-Dichloroethene                | 10.0           | 11.22          |                   | ug/L |   | 112  | 76 - 122        | 10  | 20           |
| cis-1,3-Dichloropropene               | 10.0           | 11.12          |                   | ug/L |   | 111  | 80 - 122        | 7   | 20           |
| Carbon disulfide                      | 10.0           | 11.25          |                   | ug/L |   | 112  | 66 - 125        | 10  | 20           |
| Carbon tetrachloride                  | 10.0           | 11.48          |                   | ug/L |   | 115  | 69 - 145        | 9   | 20           |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-171238/29

Matrix: Water

Analysis Batch: 171238

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                     | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Chlorobenzene               | 10.0        | 10.48       |                | ug/L |   | 105  | 80 - 120     | 8   | 20        |
| Chloroethane                | 10.0        | 11.62       |                | ug/L |   | 116  | 73 - 139     | 4   | 20        |
| Chloroform                  | 10.0        | 10.83       |                | ug/L |   | 108  | 80 - 120     | 7   | 20        |
| Chloromethane               | 10.0        | 9.460       |                | ug/L |   | 95   | 35 - 159     | 3   | 20        |
| Dibromochloromethane        | 10.0        | 10.93       |                | ug/L |   | 109  | 63 - 151     | 4   | 20        |
| Dibromomethane              | 10.0        | 11.00       |                | ug/L |   | 110  | 80 - 121     | 8   | 20        |
| Dichlorodifluoromethane     | 10.0        | 9.378       |                | ug/L |   | 94   | 59 - 139     | 4   | 20        |
| Ethylbenzene                | 10.0        | 11.00       |                | ug/L |   | 110  | 80 - 120     | 7   | 20        |
| Isopropylbenzene            | 10.0        | 11.49       |                | ug/L |   | 115  | 80 - 124     | 8   | 20        |
| Methylene Chloride          | 10.0        | 11.83       |                | ug/L |   | 118  | 70 - 120     | 7   | 20        |
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 10.92       |                | ug/L |   | 109  | 72 - 120     | 6   | 20        |
| Naphthalene                 | 10.0        | 10.76       |                | ug/L |   | 108  | 75 - 120     | 3   | 22        |
| n-Butylbenzene              | 10.0        | 11.69       |                | ug/L |   | 117  | 76 - 124     | 5   | 23        |
| N-Propylbenzene             | 10.0        | 11.54       |                | ug/L |   | 115  | 80 - 122     | 8   | 20        |
| o-Xylene                    | 10.0        | 11.28       |                | ug/L |   | 113  | 80 - 122     | 8   | 20        |
| m,p-Xylene                  | 20.0        | 22.14       |                | ug/L |   | 111  | 80 - 122     | 7   | 20        |
| p-Isopropyltoluene          | 10.0        | 11.49       |                | ug/L |   | 115  | 77 - 127     | 5   | 21        |
| sec-Butylbenzene            | 10.0        | 11.41       |                | ug/L |   | 114  | 75 - 123     | 6   | 21        |
| Styrene                     | 10.0        | 11.38       |                | ug/L |   | 114  | 80 - 121     | 6   | 20        |
| trans-1,2-Dichloroethene    | 10.0        | 10.84       |                | ug/L |   | 108  | 67 - 123     | 9   | 20        |
| trans-1,3-Dichloropropene   | 10.0        | 11.23       |                | ug/L |   | 112  | 78 - 140     | 9   | 20        |
| tert-Butylbenzene           | 10.0        | 11.19       |                | ug/L |   | 112  | 72 - 128     | 7   | 22        |
| Tetrachloroethene           | 10.0        | 11.16       |                | ug/L |   | 112  | 80 - 128     | 10  | 20        |
| Toluene                     | 10.0        | 10.88       |                | ug/L |   | 109  | 80 - 120     | 9   | 20        |
| Trichloroethene             | 10.0        | 10.76       |                | ug/L |   | 108  | 80 - 123     | 11  | 20        |
| Trichlorofluoromethane      | 10.0        | 10.79       |                | ug/L |   | 108  | 64 - 168     | 3   | 20        |
| Vinyl acetate               | 10.0        | 13.23       |                | ug/L |   | 132  | 75 - 144     | 4   | 25        |
| Vinyl chloride              | 10.0        | 10.10       |                | ug/L |   | 101  | 74 - 130     | 5   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 98             |                | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 103            |                | 71 - 120 |
| Dibromofluoromethane         | 101            |                | 80 - 120 |
| Toluene-d8 (Surr)            | 101            |                | 80 - 120 |

Lab Sample ID: 570-66280-3 MS

Matrix: Water

Analysis Batch: 171238

Client Sample ID: HEW-04

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,1,1,2-Tetrachloroethane             | ND            |                  | 40.0        | 41.05     |              | ug/L |   | 103  | 57 - 157     |
| 1,1,1-Trichloroethane                 | ND            |                  | 40.0        | 40.92     |              | ug/L |   | 102  | 54 - 152     |
| 1,1,2,2-Tetrachloroethane             | ND            |                  | 40.0        | 42.31     |              | ug/L |   | 106  | 67 - 143     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |                  | 40.0        | 31.58     |              | ug/L |   | 79   | 35 - 132     |
| 1,1,2-Trichloroethane                 | ND            |                  | 40.0        | 40.37     |              | ug/L |   | 101  | 70 - 138     |
| 1,1-Dichloroethane                    | ND            |                  | 40.0        | 41.55     |              | ug/L |   | 104  | 57 - 140     |
| 1,1-Dichloroethene                    | ND            |                  | 40.0        | 41.49     |              | ug/L |   | 104  | 48 - 146     |
| 1,1-Dichloropropene                   | ND            |                  | 40.0        | 41.27     |              | ug/L |   | 103  | 56 - 144     |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-66280-3 MS

Matrix: Water

Analysis Batch: 171238

Client Sample ID: HEW-04

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,2,3-Trichlorobenzene      | ND            |                  | 40.0        | 41.38     |              | ug/L |   | 103  | 66 - 146     |
| 1,2,3-Trichloropropane      | ND            |                  | 40.0        | 38.99     |              | ug/L |   | 97   | 66 - 139     |
| 1,2,4-Trichlorobenzene      | ND            |                  | 40.0        | 39.58     |              | ug/L |   | 99   | 64 - 146     |
| 1,2,4-Trimethylbenzene      | ND            |                  | 40.0        | 42.91     |              | ug/L |   | 107  | 52 - 156     |
| 1,2-Dibromo-3-Chloropropane | ND            |                  | 40.0        | 38.61     |              | ug/L |   | 97   | 57 - 145     |
| 1,2-Dibromoethane           | ND            |                  | 40.0        | 39.25     |              | ug/L |   | 98   | 69 - 139     |
| 1,2-Dichlorobenzene         | ND            |                  | 40.0        | 40.69     |              | ug/L |   | 102  | 63 - 146     |
| 1,2-Dichloroethane          | ND            |                  | 40.0        | 41.61     |              | ug/L |   | 104  | 63 - 151     |
| 1,2-Dichloropropane         | ND            |                  | 40.0        | 40.65     |              | ug/L |   | 102  | 65 - 143     |
| 1,3,5-Trimethylbenzene      | ND            |                  | 40.0        | 43.74     |              | ug/L |   | 109  | 58 - 158     |
| 1,3-Dichlorobenzene         | ND            |                  | 40.0        | 39.77     |              | ug/L |   | 99   | 61 - 145     |
| 1,3-Dichloropropane         | ND            |                  | 40.0        | 39.52     |              | ug/L |   | 99   | 70 - 137     |
| 1,4-Dichlorobenzene         | ND            |                  | 40.0        | 38.81     |              | ug/L |   | 97   | 61 - 141     |
| 2,2-Dichloropropane         | ND            |                  | 40.0        | 34.11     |              | ug/L |   | 85   | 56 - 148     |
| 2-Butanone                  | ND            |                  | 40.0        | 39.10     |              | ug/L |   | 98   | 48 - 141     |
| 2-Chlorotoluene             | ND            |                  | 40.0        | 41.91     |              | ug/L |   | 105  | 58 - 145     |
| 2-Hexanone                  | ND            |                  | 40.0        | 41.59     |              | ug/L |   | 104  | 61 - 139     |
| 4-Chlorotoluene             | ND            |                  | 40.0        | 41.37     |              | ug/L |   | 103  | 59 - 144     |
| 4-Methyl-2-pentanone        | ND            |                  | 40.0        | 38.26     |              | ug/L |   | 96   | 63 - 139     |
| Acetone                     | ND            |                  | 40.0        | 29.10     | J            | ug/L |   | 73   | 49 - 130     |
| Benzene                     | ND            |                  | 40.0        | 42.01     |              | ug/L |   | 105  | 61 - 143     |
| Bromobenzene                | ND            |                  | 40.0        | 41.17     |              | ug/L |   | 103  | 64 - 146     |
| Bromochloromethane          | ND            |                  | 40.0        | 39.81     |              | ug/L |   | 100  | 65 - 140     |
| Bromodichloromethane        | ND            |                  | 40.0        | 41.93     |              | ug/L |   | 105  | 61 - 158     |
| Bromoform                   | ND            |                  | 40.0        | 40.03     |              | ug/L |   | 100  | 48 - 168     |
| Bromomethane                | ND            |                  | 40.0        | 42.48     |              | ug/L |   | 106  | 58 - 175     |
| cis-1,2-Dichloroethene      | ND            |                  | 40.0        | 42.99     |              | ug/L |   | 107  | 53 - 156     |
| cis-1,3-Dichloropropene     | ND            |                  | 40.0        | 38.14     |              | ug/L |   | 95   | 65 - 142     |
| Carbon disulfide            | ND            |                  | 40.0        | 42.10     |              | ug/L |   | 105  | 48 - 149     |
| Carbon tetrachloride        | ND            |                  | 40.0        | 40.90     |              | ug/L |   | 102  | 46 - 167     |
| Chlorobenzene               | ND            |                  | 40.0        | 40.59     |              | ug/L |   | 101  | 62 - 143     |
| Chloroethane                | ND            |                  | 40.0        | 51.94     |              | ug/L |   | 130  | 65 - 162     |
| Chloroform                  | ND            |                  | 40.0        | 41.32     |              | ug/L |   | 103  | 62 - 145     |
| Chloromethane               | ND            |                  | 40.0        | 36.54     |              | ug/L |   | 91   | 21 - 171     |
| Dibromochloromethane        | ND            |                  | 40.0        | 42.46     |              | ug/L |   | 106  | 56 - 156     |
| Dibromomethane              | ND            |                  | 40.0        | 40.84     |              | ug/L |   | 102  | 69 - 142     |
| Dichlorodifluoromethane     | ND            | F2               | 40.0        | 22.62     |              | ug/L |   | 57   | 38 - 159     |
| Ethylbenzene                | ND            |                  | 40.0        | 43.09     |              | ug/L |   | 108  | 59 - 145     |
| Isopropylbenzene            | ND            |                  | 40.0        | 44.18     |              | ug/L |   | 110  | 61 - 149     |
| Methylene Chloride          | ND            |                  | 40.0        | 44.30     |              | ug/L |   | 111  | 57 - 131     |
| Methyl-t-Butyl Ether (MTBE) | ND            |                  | 40.0        | 38.10     |              | ug/L |   | 95   | 62 - 125     |
| Naphthalene                 | ND            |                  | 40.0        | 37.01     |              | ug/L |   | 93   | 54 - 148     |
| n-Butylbenzene              | ND            |                  | 40.0        | 41.69     |              | ug/L |   | 104  | 57 - 150     |
| N-Propylbenzene             | ND            |                  | 40.0        | 43.74     |              | ug/L |   | 109  | 60 - 149     |
| o-Xylene                    | ND            |                  | 40.0        | 44.17     |              | ug/L |   | 110  | 61 - 150     |
| m,p-Xylene                  | ND            |                  | 80.0        | 87.45     |              | ug/L |   | 109  | 61 - 150     |
| p-Isopropyltoluene          | ND            |                  | 40.0        | 42.75     |              | ug/L |   | 107  | 55 - 153     |
| sec-Butylbenzene            | ND            |                  | 40.0        | 42.70     |              | ug/L |   | 107  | 57 - 148     |
| Styrene                     | ND            |                  | 40.0        | 44.37     |              | ug/L |   | 111  | 53 - 146     |

Eurofins Calscience LLC



# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-66280-3 MS

Matrix: Water

Analysis Batch: 171238

Client Sample ID: HEW-04

Prep Type: Total/NA

| Analyte                      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| trans-1,2-Dichloroethene     | ND            |                  | 40.0        | 41.04     |              | ug/L |   | 103  | 54 - 142     |
| trans-1,3-Dichloropropene    | ND            |                  | 40.0        | 39.07     |              | ug/L |   | 98   | 66 - 146     |
| tert-Butylbenzene            | ND            |                  | 40.0        | 42.16     |              | ug/L |   | 105  | 56 - 148     |
| Tetrachloroethene            | 1.3           | J                | 40.0        | 42.38     |              | ug/L |   | 103  | 52 - 156     |
| Toluene                      | ND            |                  | 40.0        | 41.72     |              | ug/L |   | 104  | 62 - 145     |
| Trichloroethene              | 88            |                  | 40.0        | 120.1     |              | ug/L |   | 81   | 35 - 163     |
| Trichlorofluoromethane       | ND            |                  | 40.0        | 34.35     |              | ug/L |   | 86   | 75 - 151     |
| Vinyl acetate                | ND            |                  | 40.0        | 43.18     |              | ug/L |   | 108  | 61 - 170     |
| Vinyl chloride               | ND            |                  | 40.0        | 37.53     |              | ug/L |   | 94   | 75 - 139     |
| Surrogate                    | MS %Recovery  | MS Qualifier     | Limits      |           |              |      |   |      |              |
| 1,2-Dichloroethane-d4 (Surr) | 96            |                  | 68 - 135    |           |              |      |   |      |              |
| 4-Bromofluorobenzene (Surr)  | 102           |                  | 71 - 120    |           |              |      |   |      |              |
| Dibromofluoromethane         | 100           |                  | 80 - 120    |           |              |      |   |      |              |
| Toluene-d8 (Surr)            | 101           |                  | 80 - 120    |           |              |      |   |      |              |

Lab Sample ID: 570-66280-3 MSD

Matrix: Water

Analysis Batch: 171238

Client Sample ID: HEW-04

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane             | ND            |                  | 40.0        | 40.24      |               | ug/L |   | 101  | 57 - 157     | 2   | 20        |
| 1,1,1-Trichloroethane                 | ND            |                  | 40.0        | 41.93      |               | ug/L |   | 105  | 54 - 152     | 2   | 26        |
| 1,1,2,2-Tetrachloroethane             | ND            |                  | 40.0        | 42.82      |               | ug/L |   | 107  | 67 - 143     | 1   | 20        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |                  | 40.0        | 31.04      |               | ug/L |   | 78   | 35 - 132     | 2   | 36        |
| 1,1,2-Trichloroethane                 | ND            |                  | 40.0        | 40.66      |               | ug/L |   | 102  | 70 - 138     | 1   | 20        |
| 1,1-Dichloroethane                    | ND            |                  | 40.0        | 41.77      |               | ug/L |   | 104  | 57 - 140     | 1   | 22        |
| 1,1-Dichloroethene                    | ND            |                  | 40.0        | 43.31      |               | ug/L |   | 108  | 48 - 146     | 4   | 28        |
| 1,1-Dichloropropene                   | ND            |                  | 40.0        | 41.76      |               | ug/L |   | 104  | 56 - 144     | 1   | 27        |
| 1,2,3-Trichlorobenzene                | ND            |                  | 40.0        | 41.98      |               | ug/L |   | 105  | 66 - 146     | 1   | 24        |
| 1,2,3-Trichloropropane                | ND            |                  | 40.0        | 40.21      |               | ug/L |   | 101  | 66 - 139     | 3   | 20        |
| 1,2,4-Trichlorobenzene                | ND            |                  | 40.0        | 39.69      |               | ug/L |   | 99   | 64 - 146     | 0   | 25        |
| 1,2,4-Trimethylbenzene                | ND            |                  | 40.0        | 42.16      |               | ug/L |   | 105  | 52 - 156     | 2   | 24        |
| 1,2-Dibromo-3-Chloropropane           | ND            |                  | 40.0        | 37.44      |               | ug/L |   | 94   | 57 - 145     | 3   | 21        |
| 1,2-Dibromoethane                     | ND            |                  | 40.0        | 39.76      |               | ug/L |   | 99   | 69 - 139     | 1   | 20        |
| 1,2-Dichlorobenzene                   | ND            |                  | 40.0        | 40.20      |               | ug/L |   | 100  | 63 - 146     | 1   | 20        |
| 1,2-Dichloroethane                    | ND            |                  | 40.0        | 41.63      |               | ug/L |   | 104  | 63 - 151     | 0   | 20        |
| 1,2-Dichloropropane                   | ND            |                  | 40.0        | 40.37      |               | ug/L |   | 101  | 65 - 143     | 1   | 20        |
| 1,3,5-Trimethylbenzene                | ND            |                  | 40.0        | 42.27      |               | ug/L |   | 106  | 58 - 158     | 3   | 26        |
| 1,3-Dichlorobenzene                   | ND            |                  | 40.0        | 39.59      |               | ug/L |   | 99   | 61 - 145     | 0   | 22        |
| 1,3-Dichloropropane                   | ND            |                  | 40.0        | 40.58      |               | ug/L |   | 101  | 70 - 137     | 3   | 20        |
| 1,4-Dichlorobenzene                   | ND            |                  | 40.0        | 38.11      |               | ug/L |   | 95   | 61 - 141     | 2   | 22        |
| 2,2-Dichloropropane                   | ND            |                  | 40.0        | 34.83      |               | ug/L |   | 87   | 56 - 148     | 2   | 26        |
| 2-Butanone                            | ND            |                  | 40.0        | 35.68      |               | ug/L |   | 89   | 48 - 141     | 9   | 26        |
| 2-Chlorotoluene                       | ND            |                  | 40.0        | 41.32      |               | ug/L |   | 103  | 58 - 145     | 1   | 25        |
| 2-Hexanone                            | ND            |                  | 40.0        | 41.64      |               | ug/L |   | 104  | 61 - 139     | 0   | 21        |
| 4-Chlorotoluene                       | ND            |                  | 40.0        | 40.25      |               | ug/L |   | 101  | 59 - 144     | 3   | 24        |
| 4-Methyl-2-pentanone                  | ND            |                  | 40.0        | 39.75      |               | ug/L |   | 99   | 63 - 139     | 4   | 20        |

Eurofins Calscience LLC



# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-66280-3 MSD

Matrix: Water

Analysis Batch: 171238

Client Sample ID: HEW-04

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Acetone                     | ND            |                  | 40.0        | 37.70      |               | ug/L |   | 94   | 49 - 130     | 26  | 26        |
| Benzene                     | ND            |                  | 40.0        | 41.45      |               | ug/L |   | 104  | 61 - 143     | 1   | 20        |
| Bromobenzene                | ND            |                  | 40.0        | 41.08      |               | ug/L |   | 103  | 64 - 146     | 0   | 20        |
| Bromochloromethane          | ND            |                  | 40.0        | 41.73      |               | ug/L |   | 104  | 65 - 140     | 5   | 20        |
| Bromodichloromethane        | ND            |                  | 40.0        | 41.20      |               | ug/L |   | 103  | 61 - 158     | 2   | 20        |
| Bromoform                   | ND            |                  | 40.0        | 40.46      |               | ug/L |   | 101  | 48 - 168     | 1   | 20        |
| Bromomethane                | ND            |                  | 40.0        | 43.69      |               | ug/L |   | 109  | 58 - 175     | 3   | 22        |
| cis-1,2-Dichloroethene      | ND            |                  | 40.0        | 43.43      |               | ug/L |   | 109  | 53 - 156     | 1   | 20        |
| cis-1,3-Dichloropropene     | ND            |                  | 40.0        | 37.97      |               | ug/L |   | 95   | 65 - 142     | 0   | 20        |
| Carbon disulfide            | ND            |                  | 40.0        | 42.29      |               | ug/L |   | 106  | 48 - 149     | 0   | 25        |
| Carbon tetrachloride        | ND            |                  | 40.0        | 42.29      |               | ug/L |   | 106  | 46 - 167     | 3   | 29        |
| Chlorobenzene               | ND            |                  | 40.0        | 39.77      |               | ug/L |   | 99   | 62 - 143     | 2   | 20        |
| Chloroethane                | ND            |                  | 40.0        | 52.45      |               | ug/L |   | 131  | 65 - 162     | 1   | 20        |
| Chloroform                  | ND            |                  | 40.0        | 42.34      |               | ug/L |   | 106  | 62 - 145     | 2   | 20        |
| Chloromethane               | ND            |                  | 40.0        | 41.23      |               | ug/L |   | 103  | 21 - 171     | 12  | 20        |
| Dibromochloromethane        | ND            |                  | 40.0        | 42.50      |               | ug/L |   | 106  | 56 - 156     | 0   | 20        |
| Dibromomethane              | ND            |                  | 40.0        | 41.08      |               | ug/L |   | 103  | 69 - 142     | 1   | 20        |
| Dichlorodifluoromethane     | ND            | F2               | 40.0        | 29.37      | F2            | ug/L |   | 73   | 38 - 159     | 26  | 21        |
| Ethylbenzene                | ND            |                  | 40.0        | 41.82      |               | ug/L |   | 105  | 59 - 145     | 3   | 23        |
| Isopropylbenzene            | ND            |                  | 40.0        | 43.40      |               | ug/L |   | 109  | 61 - 149     | 2   | 28        |
| Methylene Chloride          | ND            |                  | 40.0        | 46.43      |               | ug/L |   | 116  | 57 - 131     | 5   | 21        |
| Methyl-t-Butyl Ether (MTBE) | ND            |                  | 40.0        | 40.15      |               | ug/L |   | 100  | 62 - 125     | 5   | 20        |
| Naphthalene                 | ND            |                  | 40.0        | 38.24      |               | ug/L |   | 96   | 54 - 148     | 3   | 22        |
| n-Butylbenzene              | ND            |                  | 40.0        | 41.05      |               | ug/L |   | 103  | 57 - 150     | 2   | 30        |
| N-Propylbenzene             | ND            |                  | 40.0        | 43.30      |               | ug/L |   | 108  | 60 - 149     | 1   | 29        |
| o-Xylene                    | ND            |                  | 40.0        | 43.19      |               | ug/L |   | 108  | 61 - 150     | 2   | 20        |
| m,p-Xylene                  | ND            |                  | 80.0        | 84.63      |               | ug/L |   | 106  | 61 - 150     | 3   | 23        |
| p-Isopropyltoluene          | ND            |                  | 40.0        | 42.21      |               | ug/L |   | 106  | 55 - 153     | 1   | 28        |
| sec-Butylbenzene            | ND            |                  | 40.0        | 41.70      |               | ug/L |   | 104  | 57 - 148     | 2   | 31        |
| Styrene                     | ND            |                  | 40.0        | 43.74      |               | ug/L |   | 109  | 53 - 146     | 1   | 22        |
| trans-1,2-Dichloroethene    | ND            |                  | 40.0        | 41.94      |               | ug/L |   | 105  | 54 - 142     | 2   | 25        |
| trans-1,3-Dichloropropene   | ND            |                  | 40.0        | 39.44      |               | ug/L |   | 99   | 66 - 146     | 1   | 20        |
| tert-Butylbenzene           | ND            |                  | 40.0        | 41.06      |               | ug/L |   | 103  | 56 - 148     | 3   | 28        |
| Tetrachloroethene           | 1.3           | J                | 40.0        | 41.34      |               | ug/L |   | 100  | 52 - 156     | 2   | 26        |
| Toluene                     | ND            |                  | 40.0        | 41.63      |               | ug/L |   | 104  | 62 - 145     | 0   | 21        |
| Trichloroethene             | 88            |                  | 40.0        | 119.9      |               | ug/L |   | 80   | 35 - 163     | 0   | 21        |
| Trichlorofluoromethane      | ND            |                  | 40.0        | 39.94      |               | ug/L |   | 100  | 75 - 151     | 15  | 20        |
| Vinyl acetate               | ND            |                  | 40.0        | 49.25      |               | ug/L |   | 123  | 61 - 170     | 13  | 27        |
| Vinyl chloride              | ND            |                  | 40.0        | 42.83      |               | ug/L |   | 107  | 75 - 139     | 13  | 20        |

| Surrogate                    | MSD %Recovery | MSD Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 100           |               | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 101           |               | 71 - 120 |
| Dibromofluoromethane         | 104           |               | 80 - 120 |
| Toluene-d8 (Surr)            | 100           |               | 80 - 120 |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-171501/6

Matrix: Water

Analysis Batch: 171501

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB Result | MB Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND        |              | 0.50 | 0.26  | ug/L |   |          | 08/16/21 10:08 | 1       |
| 1,1,1-Trichloroethane                 | ND        |              | 0.50 | 0.27  | ug/L |   |          | 08/16/21 10:08 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND        |              | 0.50 | 0.19  | ug/L |   |          | 08/16/21 10:08 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND        |              | 0.50 | 0.25  | ug/L |   |          | 08/16/21 10:08 | 1       |
| 1,1,2-Trichloroethane                 | ND        |              | 0.50 | 0.085 | ug/L |   |          | 08/16/21 10:08 | 1       |
| 1,1-Dichloroethane                    | ND        |              | 0.50 | 0.35  | ug/L |   |          | 08/16/21 10:08 | 1       |
| 1,1-Dichloroethene                    | ND        |              | 0.50 | 0.39  | ug/L |   |          | 08/16/21 10:08 | 1       |
| 1,1-Dichloropropene                   | ND        |              | 0.50 | 0.24  | ug/L |   |          | 08/16/21 10:08 | 1       |
| 1,2,3-Trichlorobenzene                | ND        |              | 0.50 | 0.28  | ug/L |   |          | 08/16/21 10:08 | 1       |
| 1,2,3-Trichloropropane                | ND        |              | 0.50 | 0.32  | ug/L |   |          | 08/16/21 10:08 | 1       |
| 1,2,4-Trichlorobenzene                | ND        |              | 0.50 | 0.38  | ug/L |   |          | 08/16/21 10:08 | 1       |
| 1,2,4-Trimethylbenzene                | ND        |              | 0.50 | 0.29  | ug/L |   |          | 08/16/21 10:08 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND        |              | 1.0  | 0.64  | ug/L |   |          | 08/16/21 10:08 | 1       |
| 1,2-Dibromoethane                     | ND        |              | 0.50 | 0.14  | ug/L |   |          | 08/16/21 10:08 | 1       |
| 1,2-Dichlorobenzene                   | ND        |              | 0.50 | 0.23  | ug/L |   |          | 08/16/21 10:08 | 1       |
| 1,2-Dichloroethane                    | ND        |              | 0.50 | 0.15  | ug/L |   |          | 08/16/21 10:08 | 1       |
| 1,2-Dichloropropane                   | ND        |              | 0.50 | 0.24  | ug/L |   |          | 08/16/21 10:08 | 1       |
| 1,3,5-Trimethylbenzene                | ND        |              | 0.50 | 0.28  | ug/L |   |          | 08/16/21 10:08 | 1       |
| 1,3-Dichlorobenzene                   | ND        |              | 0.50 | 0.26  | ug/L |   |          | 08/16/21 10:08 | 1       |
| 1,3-Dichloropropane                   | ND        |              | 0.50 | 0.20  | ug/L |   |          | 08/16/21 10:08 | 1       |
| 1,4-Dichlorobenzene                   | ND        |              | 0.50 | 0.22  | ug/L |   |          | 08/16/21 10:08 | 1       |
| 2,2-Dichloropropane                   | ND        |              | 0.50 | 0.40  | ug/L |   |          | 08/16/21 10:08 | 1       |
| 2-Butanone                            | ND        |              | 5.0  | 3.0   | ug/L |   |          | 08/16/21 10:08 | 1       |
| 2-Chlorotoluene                       | ND        |              | 0.50 | 0.31  | ug/L |   |          | 08/16/21 10:08 | 1       |
| 2-Hexanone                            | ND        |              | 6.0  | 4.3   | ug/L |   |          | 08/16/21 10:08 | 1       |
| 4-Chlorotoluene                       | ND        |              | 0.50 | 0.34  | ug/L |   |          | 08/16/21 10:08 | 1       |
| 4-Methyl-2-pentanone                  | ND        |              | 5.0  | 2.2   | ug/L |   |          | 08/16/21 10:08 | 1       |
| Acetone                               | ND        |              | 8.0  | 4.0   | ug/L |   |          | 08/16/21 10:08 | 1       |
| Benzene                               | ND        |              | 0.50 | 0.27  | ug/L |   |          | 08/16/21 10:08 | 1       |
| Bromobenzene                          | ND        |              | 0.50 | 0.26  | ug/L |   |          | 08/16/21 10:08 | 1       |
| Bromochloromethane                    | ND        |              | 1.0  | 0.35  | ug/L |   |          | 08/16/21 10:08 | 1       |
| Bromodichloromethane                  | ND        |              | 0.50 | 0.22  | ug/L |   |          | 08/16/21 10:08 | 1       |
| Bromoform                             | ND        |              | 0.50 | 0.39  | ug/L |   |          | 08/16/21 10:08 | 1       |
| Bromomethane                          | ND        |              | 1.0  | 0.93  | ug/L |   |          | 08/16/21 10:08 | 1       |
| cis-1,2-Dichloroethene                | ND        |              | 0.50 | 0.30  | ug/L |   |          | 08/16/21 10:08 | 1       |
| cis-1,3-Dichloropropene               | ND        |              | 0.50 | 0.19  | ug/L |   |          | 08/16/21 10:08 | 1       |
| Carbon disulfide                      | ND        |              | 1.0  | 0.24  | ug/L |   |          | 08/16/21 10:08 | 1       |
| Carbon tetrachloride                  | ND        |              | 0.50 | 0.27  | ug/L |   |          | 08/16/21 10:08 | 1       |
| Chlorobenzene                         | ND        |              | 0.50 | 0.24  | ug/L |   |          | 08/16/21 10:08 | 1       |
| Chloroethane                          | ND        |              | 0.50 | 0.44  | ug/L |   |          | 08/16/21 10:08 | 1       |
| Chloroform                            | ND        |              | 0.50 | 0.28  | ug/L |   |          | 08/16/21 10:08 | 1       |
| Chloromethane                         | ND        |              | 1.0  | 0.29  | ug/L |   |          | 08/16/21 10:08 | 1       |
| Dibromochloromethane                  | ND        |              | 0.50 | 0.27  | ug/L |   |          | 08/16/21 10:08 | 1       |
| Dibromomethane                        | ND        |              | 0.50 | 0.23  | ug/L |   |          | 08/16/21 10:08 | 1       |
| Dichlorodifluoromethane               | ND        |              | 1.0  | 0.68  | ug/L |   |          | 08/16/21 10:08 | 1       |
| Ethylbenzene                          | ND        |              | 0.50 | 0.36  | ug/L |   |          | 08/16/21 10:08 | 1       |
| Isopropylbenzene                      | ND        |              | 0.50 | 0.38  | ug/L |   |          | 08/16/21 10:08 | 1       |
| Methylene Chloride                    | ND        |              | 1.0  | 0.48  | ug/L |   |          | 08/16/21 10:08 | 1       |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-171501/6

Matrix: Water

Analysis Batch: 171501

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|------|------|------|---|----------|----------------|---------|
| Methyl-t-Butyl Ether (MTBE) | ND        |              | 0.50 | 0.21 | ug/L |   |          | 08/16/21 10:08 | 1       |
| Naphthalene                 | ND        |              | 1.0  | 0.32 | ug/L |   |          | 08/16/21 10:08 | 1       |
| n-Butylbenzene              | ND        |              | 0.50 | 0.29 | ug/L |   |          | 08/16/21 10:08 | 1       |
| N-Propylbenzene             | ND        |              | 0.50 | 0.39 | ug/L |   |          | 08/16/21 10:08 | 1       |
| o-Xylene                    | ND        |              | 0.50 | 0.35 | ug/L |   |          | 08/16/21 10:08 | 1       |
| m,p-Xylene                  | ND        |              | 1.0  | 0.78 | ug/L |   |          | 08/16/21 10:08 | 1       |
| p-Isopropyltoluene          | ND        |              | 0.50 | 0.28 | ug/L |   |          | 08/16/21 10:08 | 1       |
| sec-Butylbenzene            | ND        |              | 0.50 | 0.34 | ug/L |   |          | 08/16/21 10:08 | 1       |
| Styrene                     | ND        |              | 0.50 | 0.28 | ug/L |   |          | 08/16/21 10:08 | 1       |
| trans-1,2-Dichloroethene    | ND        |              | 0.50 | 0.36 | ug/L |   |          | 08/16/21 10:08 | 1       |
| trans-1,3-Dichloropropene   | ND        |              | 0.50 | 0.17 | ug/L |   |          | 08/16/21 10:08 | 1       |
| tert-Butylbenzene           | ND        |              | 0.50 | 0.34 | ug/L |   |          | 08/16/21 10:08 | 1       |
| Tetrachloroethene           | ND        |              | 0.50 | 0.29 | ug/L |   |          | 08/16/21 10:08 | 1       |
| Toluene                     | ND        |              | 0.50 | 0.33 | ug/L |   |          | 08/16/21 10:08 | 1       |
| Trichloroethene             | ND        |              | 0.50 | 0.29 | ug/L |   |          | 08/16/21 10:08 | 1       |
| Trichlorofluoromethane      | ND        |              | 0.50 | 0.30 | ug/L |   |          | 08/16/21 10:08 | 1       |
| Vinyl acetate               | ND        |              | 5.0  | 3.1  | ug/L |   |          | 08/16/21 10:08 | 1       |
| Vinyl chloride              | ND        |              | 0.50 | 0.40 | ug/L |   |          | 08/16/21 10:08 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104          |              | 68 - 135 |          | 08/16/21 10:08 | 1       |
| 4-Bromofluorobenzene (Surr)  | 95           |              | 71 - 120 |          | 08/16/21 10:08 | 1       |
| Dibromofluoromethane         | 101          |              | 80 - 120 |          | 08/16/21 10:08 | 1       |
| Toluene-d8 (Surr)            | 102          |              | 80 - 120 |          | 08/16/21 10:08 | 1       |

Lab Sample ID: LCS 570-171501/3

Matrix: Water

Analysis Batch: 171501

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,1,1,2-Tetrachloroethane             | 10.0        | 9.204      |               | ug/L |   | 92   | 76 - 143     |
| 1,1,1-Trichloroethane                 | 10.0        | 9.068      |               | ug/L |   | 91   | 75 - 128     |
| 1,1,2,2-Tetrachloroethane             | 10.0        | 9.732      |               | ug/L |   | 97   | 73 - 126     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0        | 10.02      |               | ug/L |   | 100  | 50 - 120     |
| 1,1,2-Trichloroethane                 | 10.0        | 9.160      |               | ug/L |   | 92   | 80 - 120     |
| 1,1-Dichloroethane                    | 10.0        | 9.044      |               | ug/L |   | 90   | 76 - 120     |
| 1,1-Dichloroethene                    | 10.0        | 9.344      |               | ug/L |   | 93   | 72 - 120     |
| 1,1-Dichloropropene                   | 10.0        | 9.554      |               | ug/L |   | 96   | 76 - 120     |
| 1,2,3-Trichlorobenzene                | 10.0        | 9.625      |               | ug/L |   | 96   | 80 - 125     |
| 1,2,3-Trichloropropane                | 10.0        | 8.909      |               | ug/L |   | 89   | 66 - 131     |
| 1,2,4-Trichlorobenzene                | 10.0        | 10.15      |               | ug/L |   | 102  | 80 - 123     |
| 1,2,4-Trimethylbenzene                | 10.0        | 9.564      |               | ug/L |   | 96   | 78 - 125     |
| 1,2-Dibromo-3-Chloropropane           | 10.0        | 8.379      |               | ug/L |   | 84   | 77 - 120     |
| 1,2-Dibromoethane                     | 10.0        | 9.199      |               | ug/L |   | 92   | 80 - 120     |
| 1,2-Dichlorobenzene                   | 10.0        | 9.711      |               | ug/L |   | 97   | 79 - 123     |
| 1,2-Dichloroethane                    | 10.0        | 10.12      |               | ug/L |   | 101  | 71 - 137     |
| 1,2-Dichloropropane                   | 10.0        | 9.860      |               | ug/L |   | 99   | 80 - 120     |
| 1,3,5-Trimethylbenzene                | 10.0        | 9.699      |               | ug/L |   | 97   | 77 - 133     |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-171501/3

Matrix: Water

Analysis Batch: 171501

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,3-Dichlorobenzene         | 10.0        | 9.386      |               | ug/L |   | 94   | 79 - 123     |
| 1,3-Dichloropropane         | 10.0        | 9.847      |               | ug/L |   | 98   | 80 - 123     |
| 1,4-Dichlorobenzene         | 10.0        | 9.337      |               | ug/L |   | 93   | 75 - 123     |
| 2,2-Dichloropropane         | 10.0        | 10.40      |               | ug/L |   | 104  | 78 - 133     |
| 2-Butanone                  | 10.0        | 9.364      |               | ug/L |   | 94   | 32 - 133     |
| 2-Chlorotoluene             | 10.0        | 9.239      |               | ug/L |   | 92   | 80 - 120     |
| 2-Hexanone                  | 10.0        | 9.093      |               | ug/L |   | 91   | 57 - 127     |
| 4-Chlorotoluene             | 10.0        | 9.244      |               | ug/L |   | 92   | 78 - 120     |
| 4-Methyl-2-pentanone        | 10.0        | 9.447      |               | ug/L |   | 94   | 68 - 120     |
| Acetone                     | 10.0        | 8.529      |               | ug/L |   | 85   | 57 - 133     |
| Benzene                     | 10.0        | 9.698      |               | ug/L |   | 97   | 80 - 120     |
| Bromobenzene                | 10.0        | 9.734      |               | ug/L |   | 97   | 80 - 124     |
| Bromochloromethane          | 10.0        | 9.269      |               | ug/L |   | 93   | 76 - 125     |
| Bromodichloromethane        | 10.0        | 9.798      |               | ug/L |   | 98   | 77 - 141     |
| Bromoform                   | 10.0        | 9.494      |               | ug/L |   | 95   | 46 - 178     |
| Bromomethane                | 10.0        | 8.830      |               | ug/L |   | 88   | 52 - 162     |
| cis-1,2-Dichloroethene      | 10.0        | 9.280      |               | ug/L |   | 93   | 76 - 122     |
| cis-1,3-Dichloropropene     | 10.0        | 9.841      |               | ug/L |   | 98   | 80 - 122     |
| Carbon disulfide            | 10.0        | 9.046      |               | ug/L |   | 90   | 66 - 125     |
| Carbon tetrachloride        | 10.0        | 9.236      |               | ug/L |   | 92   | 69 - 145     |
| Chlorobenzene               | 10.0        | 9.400      |               | ug/L |   | 94   | 80 - 120     |
| Chloroethane                | 10.0        | 7.408      |               | ug/L |   | 74   | 73 - 139     |
| Chloroform                  | 10.0        | 9.186      |               | ug/L |   | 92   | 80 - 120     |
| Chloromethane               | 10.0        | 9.096      |               | ug/L |   | 91   | 35 - 159     |
| Dibromochloromethane        | 10.0        | 10.04      |               | ug/L |   | 100  | 63 - 151     |
| Dibromomethane              | 10.0        | 9.997      |               | ug/L |   | 100  | 80 - 121     |
| Dichlorodifluoromethane     | 10.0        | 5.347      | *- me         | ug/L |   | 53   | 59 - 139     |
| Ethylbenzene                | 10.0        | 9.603      |               | ug/L |   | 96   | 80 - 120     |
| Isopropylbenzene            | 10.0        | 9.470      |               | ug/L |   | 95   | 80 - 124     |
| Methylene Chloride          | 10.0        | 9.141      |               | ug/L |   | 91   | 70 - 120     |
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 9.112      |               | ug/L |   | 91   | 72 - 120     |
| Naphthalene                 | 10.0        | 9.325      |               | ug/L |   | 93   | 75 - 120     |
| n-Butylbenzene              | 10.0        | 9.922      |               | ug/L |   | 99   | 76 - 124     |
| N-Propylbenzene             | 10.0        | 9.672      |               | ug/L |   | 97   | 80 - 122     |
| o-Xylene                    | 10.0        | 9.461      |               | ug/L |   | 95   | 80 - 122     |
| m,p-Xylene                  | 20.0        | 19.03      |               | ug/L |   | 95   | 80 - 122     |
| p-Isopropyltoluene          | 10.0        | 9.671      |               | ug/L |   | 97   | 77 - 127     |
| sec-Butylbenzene            | 10.0        | 9.358      |               | ug/L |   | 94   | 75 - 123     |
| Styrene                     | 10.0        | 9.551      |               | ug/L |   | 96   | 80 - 121     |
| trans-1,2-Dichloroethene    | 10.0        | 8.783      |               | ug/L |   | 88   | 67 - 123     |
| trans-1,3-Dichloropropene   | 10.0        | 9.877      |               | ug/L |   | 99   | 78 - 140     |
| tert-Butylbenzene           | 10.0        | 9.265      |               | ug/L |   | 93   | 72 - 128     |
| Tetrachloroethene           | 10.0        | 9.759      |               | ug/L |   | 98   | 80 - 128     |
| Toluene                     | 10.0        | 9.706      |               | ug/L |   | 97   | 80 - 120     |
| Trichloroethene             | 10.0        | 9.221      |               | ug/L |   | 92   | 80 - 123     |
| Trichlorofluoromethane      | 10.0        | 7.652      |               | ug/L |   | 77   | 64 - 168     |
| Vinyl acetate               | 10.0        | 11.58      |               | ug/L |   | 116  | 75 - 144     |
| Vinyl chloride              | 10.0        | 7.024      | *- me         | ug/L |   | 70   | 74 - 130     |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-171501/3

Matrix: Water

Analysis Batch: 171501

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Surrogate                    | LCS       |           | Limits   |
|------------------------------|-----------|-----------|----------|
|                              | %Recovery | Qualifier |          |
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 101       |           | 71 - 120 |
| Dibromofluoromethane         | 100       |           | 80 - 120 |
| Toluene-d8 (Surr)            | 104       |           | 80 - 120 |

Lab Sample ID: LCSD 570-171501/4

Matrix: Water

Analysis Batch: 171501

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane             | 10.0        | 9.591       |                | ug/L |   | 96   | 76 - 143     | 4   | 20        |
| 1,1,1-Trichloroethane                 | 10.0        | 9.461       |                | ug/L |   | 95   | 75 - 128     | 4   | 20        |
| 1,1,2,2-Tetrachloroethane             | 10.0        | 9.756       |                | ug/L |   | 98   | 73 - 126     | 0   | 21        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0        | 10.85       |                | ug/L |   | 109  | 50 - 120     | 8   | 20        |
| 1,1,2-Trichloroethane                 | 10.0        | 9.357       |                | ug/L |   | 94   | 80 - 120     | 2   | 20        |
| 1,1-Dichloroethane                    | 10.0        | 9.574       |                | ug/L |   | 96   | 76 - 120     | 6   | 20        |
| 1,1-Dichloroethene                    | 10.0        | 9.957       |                | ug/L |   | 100  | 72 - 120     | 6   | 20        |
| 1,1-Dichloropropene                   | 10.0        | 10.01       |                | ug/L |   | 100  | 76 - 120     | 5   | 20        |
| 1,2,3-Trichlorobenzene                | 10.0        | 9.455       |                | ug/L |   | 95   | 80 - 125     | 2   | 22        |
| 1,2,3-Trichloropropane                | 10.0        | 9.077       |                | ug/L |   | 91   | 66 - 131     | 2   | 20        |
| 1,2,4-Trichlorobenzene                | 10.0        | 10.18       |                | ug/L |   | 102  | 80 - 123     | 0   | 20        |
| 1,2,4-Trimethylbenzene                | 10.0        | 9.841       |                | ug/L |   | 98   | 78 - 125     | 3   | 22        |
| 1,2-Dibromo-3-Chloropropane           | 10.0        | 8.623       |                | ug/L |   | 86   | 77 - 120     | 3   | 21        |
| 1,2-Dibromoethane                     | 10.0        | 9.253       |                | ug/L |   | 93   | 80 - 120     | 1   | 20        |
| 1,2-Dichlorobenzene                   | 10.0        | 9.652       |                | ug/L |   | 97   | 79 - 123     | 1   | 20        |
| 1,2-Dichloroethane                    | 10.0        | 10.06       |                | ug/L |   | 101  | 71 - 137     | 1   | 20        |
| 1,2-Dichloropropane                   | 10.0        | 9.896       |                | ug/L |   | 99   | 80 - 120     | 0   | 20        |
| 1,3,5-Trimethylbenzene                | 10.0        | 9.869       |                | ug/L |   | 99   | 77 - 133     | 2   | 20        |
| 1,3-Dichlorobenzene                   | 10.0        | 9.638       |                | ug/L |   | 96   | 79 - 123     | 3   | 20        |
| 1,3-Dichloropropane                   | 10.0        | 9.809       |                | ug/L |   | 98   | 80 - 123     | 0   | 20        |
| 1,4-Dichlorobenzene                   | 10.0        | 9.185       |                | ug/L |   | 92   | 75 - 123     | 2   | 22        |
| 2,2-Dichloropropane                   | 10.0        | 10.76       |                | ug/L |   | 108  | 78 - 133     | 3   | 20        |
| 2-Butanone                            | 10.0        | 7.748       |                | ug/L |   | 77   | 32 - 133     | 19  | 26        |
| 2-Chlorotoluene                       | 10.0        | 9.499       |                | ug/L |   | 95   | 80 - 120     | 3   | 20        |
| 2-Hexanone                            | 10.0        | 7.619       |                | ug/L |   | 76   | 57 - 127     | 18  | 21        |
| 4-Chlorotoluene                       | 10.0        | 9.391       |                | ug/L |   | 94   | 78 - 120     | 2   | 21        |
| 4-Methyl-2-pentanone                  | 10.0        | 9.208       |                | ug/L |   | 92   | 68 - 120     | 3   | 20        |
| Acetone                               | 10.0        | 8.579       |                | ug/L |   | 86   | 57 - 133     | 1   | 28        |
| Benzene                               | 10.0        | 9.959       |                | ug/L |   | 100  | 80 - 120     | 3   | 20        |
| Bromobenzene                          | 10.0        | 9.734       |                | ug/L |   | 97   | 80 - 124     | 0   | 20        |
| Bromochloromethane                    | 10.0        | 9.534       |                | ug/L |   | 95   | 76 - 125     | 3   | 20        |
| Bromodichloromethane                  | 10.0        | 10.10       |                | ug/L |   | 101  | 77 - 141     | 3   | 20        |
| Bromoform                             | 10.0        | 9.485       |                | ug/L |   | 95   | 46 - 178     | 0   | 23        |
| Bromomethane                          | 10.0        | 8.957       |                | ug/L |   | 90   | 52 - 162     | 1   | 20        |
| cis-1,2-Dichloroethene                | 10.0        | 9.705       |                | ug/L |   | 97   | 76 - 122     | 4   | 20        |
| cis-1,3-Dichloropropene               | 10.0        | 10.12       |                | ug/L |   | 101  | 80 - 122     | 3   | 20        |
| Carbon disulfide                      | 10.0        | 9.564       |                | ug/L |   | 96   | 66 - 125     | 6   | 20        |
| Carbon tetrachloride                  | 10.0        | 9.677       |                | ug/L |   | 97   | 69 - 145     | 5   | 20        |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-171501/4

Matrix: Water

Analysis Batch: 171501

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                     | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Chlorobenzene               | 10.0        | 9.559       |                | ug/L |   | 96   | 80 - 120     | 2   | 20        |
| Chloroethane                | 10.0        | 7.832       |                | ug/L |   | 78   | 73 - 139     | 6   | 20        |
| Chloroform                  | 10.0        | 9.547       |                | ug/L |   | 95   | 80 - 120     | 4   | 20        |
| Chloromethane               | 10.0        | 9.043       |                | ug/L |   | 90   | 35 - 159     | 1   | 20        |
| Dibromochloromethane        | 10.0        | 10.00       |                | ug/L |   | 100  | 63 - 151     | 0   | 20        |
| Dibromomethane              | 10.0        | 10.23       |                | ug/L |   | 102  | 80 - 121     | 2   | 20        |
| Dichlorodifluoromethane     | 10.0        | 5.611       | *- me          | ug/L |   | 56   | 59 - 139     | 5   | 20        |
| Ethylbenzene                | 10.0        | 9.774       |                | ug/L |   | 98   | 80 - 120     | 2   | 20        |
| Isopropylbenzene            | 10.0        | 9.724       |                | ug/L |   | 97   | 80 - 124     | 3   | 20        |
| Methylene Chloride          | 10.0        | 9.315       |                | ug/L |   | 93   | 70 - 120     | 2   | 20        |
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 9.429       |                | ug/L |   | 94   | 72 - 120     | 3   | 20        |
| Naphthalene                 | 10.0        | 9.441       |                | ug/L |   | 94   | 75 - 120     | 1   | 22        |
| n-Butylbenzene              | 10.0        | 10.08       |                | ug/L |   | 101  | 76 - 124     | 2   | 23        |
| N-Propylbenzene             | 10.0        | 9.963       |                | ug/L |   | 100  | 80 - 122     | 3   | 20        |
| o-Xylene                    | 10.0        | 9.671       |                | ug/L |   | 97   | 80 - 122     | 2   | 20        |
| m,p-Xylene                  | 20.0        | 19.64       |                | ug/L |   | 98   | 80 - 122     | 3   | 20        |
| p-Isopropyltoluene          | 10.0        | 9.795       |                | ug/L |   | 98   | 77 - 127     | 1   | 21        |
| sec-Butylbenzene            | 10.0        | 9.593       |                | ug/L |   | 96   | 75 - 123     | 2   | 21        |
| Styrene                     | 10.0        | 9.791       |                | ug/L |   | 98   | 80 - 121     | 2   | 20        |
| trans-1,2-Dichloroethene    | 10.0        | 9.131       |                | ug/L |   | 91   | 67 - 123     | 4   | 20        |
| trans-1,3-Dichloropropene   | 10.0        | 10.10       |                | ug/L |   | 101  | 78 - 140     | 2   | 20        |
| tert-Butylbenzene           | 10.0        | 9.465       |                | ug/L |   | 95   | 72 - 128     | 2   | 22        |
| Tetrachloroethene           | 10.0        | 9.969       |                | ug/L |   | 100  | 80 - 128     | 2   | 20        |
| Toluene                     | 10.0        | 9.996       |                | ug/L |   | 100  | 80 - 120     | 3   | 20        |
| Trichloroethene             | 10.0        | 9.765       |                | ug/L |   | 98   | 80 - 123     | 6   | 20        |
| Trichlorofluoromethane      | 10.0        | 8.134       |                | ug/L |   | 81   | 64 - 168     | 6   | 20        |
| Vinyl acetate               | 10.0        | 11.79       |                | ug/L |   | 118  | 75 - 144     | 2   | 25        |
| Vinyl chloride              | 10.0        | 7.480       |                | ug/L |   | 75   | 74 - 130     | 6   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 101            |                | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 101            |                | 71 - 120 |
| Dibromofluoromethane         | 100            |                | 80 - 120 |
| Toluene-d8 (Surr)            | 105            |                | 80 - 120 |

Lab Sample ID: 570-66280-20 MS

Matrix: Water

Analysis Batch: 171501

Client Sample ID: S-26

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,1,1,2-Tetrachloroethane             | ND            |                  | 10.0        | 9.434     |              | ug/L |   | 94   | 57 - 157     |
| 1,1,1-Trichloroethane                 | ND            |                  | 10.0        | 9.789     |              | ug/L |   | 98   | 54 - 152     |
| 1,1,2,2-Tetrachloroethane             | ND            |                  | 10.0        | 9.920     |              | ug/L |   | 99   | 67 - 143     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |                  | 10.0        | 9.797     |              | ug/L |   | 98   | 35 - 132     |
| 1,1,2-Trichloroethane                 | ND            |                  | 10.0        | 9.372     |              | ug/L |   | 94   | 70 - 138     |
| 1,1-Dichloroethane                    | ND            |                  | 10.0        | 9.946     |              | ug/L |   | 99   | 57 - 140     |
| 1,1-Dichloroethene                    | ND            |                  | 10.0        | 10.43     |              | ug/L |   | 104  | 48 - 146     |
| 1,1-Dichloropropene                   | ND            |                  | 10.0        | 10.40     |              | ug/L |   | 104  | 56 - 144     |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-66280-20 MS

Matrix: Water

Analysis Batch: 171501

Client Sample ID: S-26

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,2,3-Trichlorobenzene      | ND            |                  | 10.0        | 10.12     |              | ug/L |   | 101  | 66 - 146     |
| 1,2,3-Trichloropropane      | ND            |                  | 10.0        | 9.731     |              | ug/L |   | 97   | 66 - 139     |
| 1,2,4-Trichlorobenzene      | ND            |                  | 10.0        | 10.42     |              | ug/L |   | 104  | 64 - 146     |
| 1,2,4-Trimethylbenzene      | ND            |                  | 10.0        | 9.739     |              | ug/L |   | 97   | 52 - 156     |
| 1,2-Dibromo-3-Chloropropane | ND            |                  | 10.0        | 9.167     |              | ug/L |   | 92   | 57 - 145     |
| 1,2-Dibromoethane           | ND            |                  | 10.0        | 9.499     |              | ug/L |   | 95   | 69 - 139     |
| 1,2-Dichlorobenzene         | ND            |                  | 10.0        | 9.962     |              | ug/L |   | 100  | 63 - 146     |
| 1,2-Dichloroethane          | ND            |                  | 10.0        | 10.26     |              | ug/L |   | 103  | 63 - 151     |
| 1,2-Dichloropropane         | ND            |                  | 10.0        | 9.878     |              | ug/L |   | 99   | 65 - 143     |
| 1,3,5-Trimethylbenzene      | ND            |                  | 10.0        | 10.24     |              | ug/L |   | 102  | 58 - 158     |
| 1,3-Dichlorobenzene         | ND            |                  | 10.0        | 9.704     |              | ug/L |   | 97   | 61 - 145     |
| 1,3-Dichloropropane         | ND            |                  | 10.0        | 10.32     |              | ug/L |   | 103  | 70 - 137     |
| 1,4-Dichlorobenzene         | ND            |                  | 10.0        | 9.472     |              | ug/L |   | 95   | 61 - 141     |
| 2,2-Dichloropropane         | ND            |                  | 10.0        | 9.245     |              | ug/L |   | 92   | 56 - 148     |
| 2-Butanone                  | ND            |                  | 10.0        | 10.73     |              | ug/L |   | 107  | 48 - 141     |
| 2-Chlorotoluene             | ND            |                  | 10.0        | 9.838     |              | ug/L |   | 98   | 58 - 145     |
| 2-Hexanone                  | ND            |                  | 10.0        | 11.05     |              | ug/L |   | 110  | 61 - 139     |
| 4-Chlorotoluene             | ND            |                  | 10.0        | 9.353     |              | ug/L |   | 94   | 59 - 144     |
| 4-Methyl-2-pentanone        | ND            |                  | 10.0        | 10.33     |              | ug/L |   | 103  | 63 - 139     |
| Acetone                     | ND            |                  | 10.0        | 11.11     |              | ug/L |   | 111  | 49 - 130     |
| Benzene                     | ND            |                  | 10.0        | 10.13     |              | ug/L |   | 101  | 61 - 143     |
| Bromobenzene                | ND            |                  | 10.0        | 10.32     |              | ug/L |   | 103  | 64 - 146     |
| Bromochloromethane          | ND            |                  | 10.0        | 9.966     |              | ug/L |   | 100  | 65 - 140     |
| Bromodichloromethane        | ND            |                  | 10.0        | 9.851     |              | ug/L |   | 99   | 61 - 158     |
| Bromoform                   | ND            |                  | 10.0        | 8.544     |              | ug/L |   | 85   | 48 - 168     |
| Bromomethane                | ND            |                  | 10.0        | 9.750     |              | ug/L |   | 98   | 58 - 175     |
| cis-1,2-Dichloroethene      | ND            |                  | 10.0        | 10.21     |              | ug/L |   | 102  | 53 - 156     |
| cis-1,3-Dichloropropene     | ND            |                  | 10.0        | 9.661     |              | ug/L |   | 97   | 65 - 142     |
| Carbon disulfide            | ND            |                  | 10.0        | 10.09     |              | ug/L |   | 101  | 48 - 149     |
| Carbon tetrachloride        | ND            |                  | 10.0        | 9.525     |              | ug/L |   | 95   | 46 - 167     |
| Chlorobenzene               | ND            |                  | 10.0        | 9.952     |              | ug/L |   | 100  | 62 - 143     |
| Chloroethane                | ND            |                  | 10.0        | 9.322     |              | ug/L |   | 93   | 65 - 162     |
| Chloroform                  | ND            |                  | 10.0        | 9.902     |              | ug/L |   | 99   | 62 - 145     |
| Chloromethane               | ND            |                  | 10.0        | 13.35     |              | ug/L |   | 133  | 21 - 171     |
| Dibromochloromethane        | ND            |                  | 10.0        | 9.807     |              | ug/L |   | 98   | 56 - 156     |
| Dibromomethane              | ND            |                  | 10.0        | 10.50     |              | ug/L |   | 105  | 69 - 142     |
| Dichlorodifluoromethane     | ND            | *                | 10.0        | 6.206     |              | ug/L |   | 62   | 38 - 159     |
| Ethylbenzene                | ND            |                  | 10.0        | 10.28     |              | ug/L |   | 103  | 59 - 145     |
| Isopropylbenzene            | ND            |                  | 10.0        | 10.11     |              | ug/L |   | 101  | 61 - 149     |
| Methylene Chloride          | ND            |                  | 10.0        | 10.03     |              | ug/L |   | 100  | 57 - 131     |
| Methyl-t-Butyl Ether (MTBE) | ND            |                  | 10.0        | 9.825     |              | ug/L |   | 98   | 62 - 125     |
| Naphthalene                 | ND            |                  | 10.0        | 10.78     |              | ug/L |   | 108  | 54 - 148     |
| n-Butylbenzene              | ND            |                  | 10.0        | 9.791     |              | ug/L |   | 98   | 57 - 150     |
| N-Propylbenzene             | ND            |                  | 10.0        | 10.51     |              | ug/L |   | 105  | 60 - 149     |
| o-Xylene                    | ND            |                  | 10.0        | 10.18     |              | ug/L |   | 102  | 61 - 150     |
| m,p-Xylene                  | ND            |                  | 20.0        | 20.64     |              | ug/L |   | 103  | 61 - 150     |
| p-Isopropyltoluene          | ND            |                  | 10.0        | 9.548     |              | ug/L |   | 95   | 55 - 153     |
| sec-Butylbenzene            | ND            |                  | 10.0        | 9.697     |              | ug/L |   | 97   | 57 - 148     |
| Styrene                     | ND            |                  | 10.0        | 10.08     |              | ug/L |   | 101  | 53 - 146     |

Eurofins Calscience LLC



# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-66280-20 MS

Matrix: Water

Analysis Batch: 171501

Client Sample ID: S-26

Prep Type: Total/NA

| Analyte                   | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| trans-1,2-Dichloroethene  | ND            |                  | 10.0        | 9.515     |              | ug/L |   | 95   | 54 - 142     |
| trans-1,3-Dichloropropene | ND            |                  | 10.0        | 9.804     |              | ug/L |   | 98   | 66 - 146     |
| tert-Butylbenzene         | ND            |                  | 10.0        | 9.527     |              | ug/L |   | 95   | 56 - 148     |
| Tetrachloroethene         | ND            |                  | 10.0        | 9.997     |              | ug/L |   | 100  | 52 - 156     |
| Toluene                   | ND            |                  | 10.0        | 10.20     |              | ug/L |   | 102  | 62 - 145     |
| Trichloroethene           | ND            |                  | 10.0        | 9.627     |              | ug/L |   | 96   | 35 - 163     |
| Trichlorofluoromethane    | ND            |                  | 10.0        | 9.347     |              | ug/L |   | 93   | 75 - 151     |
| Vinyl acetate             | ND            |                  | 10.0        | 11.06     |              | ug/L |   | 111  | 61 - 170     |
| Vinyl chloride            | ND            | *                | 10.0        | 8.996     |              | ug/L |   | 90   | 75 - 139     |

| Surrogate                    | MS %Recovery | MS Qualifier | Limits   |
|------------------------------|--------------|--------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 103          |              | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 104          |              | 71 - 120 |
| Dibromofluoromethane         | 99           |              | 80 - 120 |
| Toluene-d8 (Surr)            | 102          |              | 80 - 120 |

Lab Sample ID: 570-66280-20 MSD

Matrix: Water

Analysis Batch: 171501

Client Sample ID: S-26

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane             | ND            |                  | 10.0        | 9.538      |               | ug/L |   | 95   | 57 - 157     | 1   | 20        |
| 1,1,1-Trichloroethane                 | ND            |                  | 10.0        | 9.978      |               | ug/L |   | 100  | 54 - 152     | 2   | 26        |
| 1,1,2,2-Tetrachloroethane             | ND            |                  | 10.0        | 9.903      |               | ug/L |   | 99   | 67 - 143     | 0   | 20        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |                  | 10.0        | 10.17      |               | ug/L |   | 102  | 35 - 132     | 4   | 36        |
| 1,1,2-Trichloroethane                 | ND            |                  | 10.0        | 9.298      |               | ug/L |   | 93   | 70 - 138     | 1   | 20        |
| 1,1-Dichloroethane                    | ND            |                  | 10.0        | 10.04      |               | ug/L |   | 100  | 57 - 140     | 1   | 22        |
| 1,1-Dichloroethene                    | ND            |                  | 10.0        | 10.71      |               | ug/L |   | 107  | 48 - 146     | 3   | 28        |
| 1,1-Dichloropropene                   | ND            |                  | 10.0        | 10.51      |               | ug/L |   | 105  | 56 - 144     | 1   | 27        |
| 1,2,3-Trichlorobenzene                | ND            |                  | 10.0        | 10.38      |               | ug/L |   | 104  | 66 - 146     | 2   | 24        |
| 1,2,3-Trichloropropane                | ND            |                  | 10.0        | 9.823      |               | ug/L |   | 98   | 66 - 139     | 1   | 20        |
| 1,2,4-Trichlorobenzene                | ND            |                  | 10.0        | 10.94      |               | ug/L |   | 109  | 64 - 146     | 5   | 25        |
| 1,2,4-Trimethylbenzene                | ND            |                  | 10.0        | 9.708      |               | ug/L |   | 97   | 52 - 156     | 0   | 24        |
| 1,2-Dibromo-3-Chloropropane           | ND            |                  | 10.0        | 9.388      |               | ug/L |   | 94   | 57 - 145     | 2   | 21        |
| 1,2-Dibromoethane                     | ND            |                  | 10.0        | 9.456      |               | ug/L |   | 95   | 69 - 139     | 0   | 20        |
| 1,2-Dichlorobenzene                   | ND            |                  | 10.0        | 9.983      |               | ug/L |   | 100  | 63 - 146     | 0   | 20        |
| 1,2-Dichloroethane                    | ND            |                  | 10.0        | 10.05      |               | ug/L |   | 101  | 63 - 151     | 2   | 20        |
| 1,2-Dichloropropane                   | ND            |                  | 10.0        | 10.06      |               | ug/L |   | 101  | 65 - 143     | 2   | 20        |
| 1,3,5-Trimethylbenzene                | ND            |                  | 10.0        | 10.34      |               | ug/L |   | 103  | 58 - 158     | 1   | 26        |
| 1,3-Dichlorobenzene                   | ND            |                  | 10.0        | 9.881      |               | ug/L |   | 99   | 61 - 145     | 2   | 22        |
| 1,3-Dichloropropane                   | ND            |                  | 10.0        | 10.22      |               | ug/L |   | 102  | 70 - 137     | 1   | 20        |
| 1,4-Dichlorobenzene                   | ND            |                  | 10.0        | 9.686      |               | ug/L |   | 97   | 61 - 141     | 2   | 22        |
| 2,2-Dichloropropane                   | ND            |                  | 10.0        | 9.378      |               | ug/L |   | 94   | 56 - 148     | 1   | 26        |
| 2-Butanone                            | ND            |                  | 10.0        | 9.844      |               | ug/L |   | 98   | 48 - 141     | 9   | 26        |
| 2-Chlorotoluene                       | ND            |                  | 10.0        | 10.09      |               | ug/L |   | 101  | 58 - 145     | 3   | 25        |
| 2-Hexanone                            | ND            |                  | 10.0        | 12.50      |               | ug/L |   | 125  | 61 - 139     | 12  | 21        |
| 4-Chlorotoluene                       | ND            |                  | 10.0        | 9.465      |               | ug/L |   | 95   | 59 - 144     | 1   | 24        |
| 4-Methyl-2-pentanone                  | ND            |                  | 10.0        | 10.19      |               | ug/L |   | 102  | 63 - 139     | 1   | 20        |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-66280-20 MSD

Matrix: Water

Analysis Batch: 171501

Client Sample ID: S-26

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Acetone                     | ND            |                  | 10.0        | 10.43      |               | ug/L |   | 104  | 49 - 130     | 6   | 26        |
| Benzene                     | ND            |                  | 10.0        | 10.19      |               | ug/L |   | 102  | 61 - 143     | 1   | 20        |
| Bromobenzene                | ND            |                  | 10.0        | 10.29      |               | ug/L |   | 103  | 64 - 146     | 0   | 20        |
| Bromochloromethane          | ND            |                  | 10.0        | 9.745      |               | ug/L |   | 97   | 65 - 140     | 2   | 20        |
| Bromodichloromethane        | ND            |                  | 10.0        | 9.721      |               | ug/L |   | 97   | 61 - 158     | 1   | 20        |
| Bromoform                   | ND            |                  | 10.0        | 8.536      |               | ug/L |   | 85   | 48 - 168     | 0   | 20        |
| Bromomethane                | ND            |                  | 10.0        | 9.760      |               | ug/L |   | 98   | 58 - 175     | 0   | 22        |
| cis-1,2-Dichloroethene      | ND            |                  | 10.0        | 10.27      |               | ug/L |   | 103  | 53 - 156     | 1   | 20        |
| cis-1,3-Dichloropropene     | ND            |                  | 10.0        | 9.447      |               | ug/L |   | 94   | 65 - 142     | 2   | 20        |
| Carbon disulfide            | ND            |                  | 10.0        | 10.41      |               | ug/L |   | 104  | 48 - 149     | 3   | 25        |
| Carbon tetrachloride        | ND            |                  | 10.0        | 9.916      |               | ug/L |   | 99   | 46 - 167     | 4   | 29        |
| Chlorobenzene               | ND            |                  | 10.0        | 9.986      |               | ug/L |   | 100  | 62 - 143     | 0   | 20        |
| Chloroethane                | ND            |                  | 10.0        | 9.243      |               | ug/L |   | 92   | 65 - 162     | 1   | 20        |
| Chloroform                  | ND            |                  | 10.0        | 10.01      |               | ug/L |   | 100  | 62 - 145     | 1   | 20        |
| Chloromethane               | ND            |                  | 10.0        | 12.80      |               | ug/L |   | 128  | 21 - 171     | 4   | 20        |
| Dibromochloromethane        | ND            |                  | 10.0        | 9.879      |               | ug/L |   | 99   | 56 - 156     | 1   | 20        |
| Dibromomethane              | ND            |                  | 10.0        | 10.24      |               | ug/L |   | 102  | 69 - 142     | 2   | 20        |
| Dichlorodifluoromethane     | ND            | *                | 10.0        | 6.102      |               | ug/L |   | 61   | 38 - 159     | 2   | 21        |
| Ethylbenzene                | ND            |                  | 10.0        | 10.37      |               | ug/L |   | 104  | 59 - 145     | 1   | 23        |
| Isopropylbenzene            | ND            |                  | 10.0        | 10.30      |               | ug/L |   | 103  | 61 - 149     | 2   | 28        |
| Methylene Chloride          | ND            |                  | 10.0        | 10.30      |               | ug/L |   | 103  | 57 - 131     | 3   | 21        |
| Methyl-t-Butyl Ether (MTBE) | ND            |                  | 10.0        | 9.712      |               | ug/L |   | 97   | 62 - 125     | 1   | 20        |
| Naphthalene                 | ND            |                  | 10.0        | 11.61      |               | ug/L |   | 116  | 54 - 148     | 7   | 22        |
| n-Butylbenzene              | ND            |                  | 10.0        | 10.15      |               | ug/L |   | 101  | 57 - 150     | 4   | 30        |
| N-Propylbenzene             | ND            |                  | 10.0        | 10.74      |               | ug/L |   | 107  | 60 - 149     | 2   | 29        |
| o-Xylene                    | ND            |                  | 10.0        | 10.24      |               | ug/L |   | 102  | 61 - 150     | 1   | 20        |
| m,p-Xylene                  | ND            |                  | 20.0        | 20.76      |               | ug/L |   | 104  | 61 - 150     | 1   | 23        |
| p-Isopropyltoluene          | ND            |                  | 10.0        | 9.858      |               | ug/L |   | 99   | 55 - 153     | 3   | 28        |
| sec-Butylbenzene            | ND            |                  | 10.0        | 9.856      |               | ug/L |   | 99   | 57 - 148     | 2   | 31        |
| Styrene                     | ND            |                  | 10.0        | 10.03      |               | ug/L |   | 100  | 53 - 146     | 0   | 22        |
| trans-1,2-Dichloroethene    | ND            |                  | 10.0        | 9.612      |               | ug/L |   | 96   | 54 - 142     | 1   | 25        |
| trans-1,3-Dichloropropene   | ND            |                  | 10.0        | 9.771      |               | ug/L |   | 98   | 66 - 146     | 0   | 20        |
| tert-Butylbenzene           | ND            |                  | 10.0        | 9.624      |               | ug/L |   | 96   | 56 - 148     | 1   | 28        |
| Tetrachloroethene           | ND            |                  | 10.0        | 10.13      |               | ug/L |   | 101  | 52 - 156     | 1   | 26        |
| Toluene                     | ND            |                  | 10.0        | 10.16      |               | ug/L |   | 102  | 62 - 145     | 0   | 21        |
| Trichloroethene             | ND            |                  | 10.0        | 9.922      |               | ug/L |   | 99   | 35 - 163     | 3   | 21        |
| Trichlorofluoromethane      | ND            |                  | 10.0        | 9.334      |               | ug/L |   | 93   | 75 - 151     | 0   | 20        |
| Vinyl acetate               | ND            |                  | 10.0        | 11.16      |               | ug/L |   | 112  | 61 - 170     | 1   | 27        |
| Vinyl chloride              | ND            | *                | 10.0        | 8.945      |               | ug/L |   | 89   | 75 - 139     | 1   | 20        |

| Surrogate                    | MSD %Recovery | MSD Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 102           |               | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 102           |               | 71 - 120 |
| Dibromofluoromethane         | 97            |               | 80 - 120 |
| Toluene-d8 (Surr)            | 100           |               | 80 - 120 |

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-171896/6

Matrix: Water

Analysis Batch: 171896

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB Result | MB Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND        |              | 0.50 | 0.26  | ug/L |   |          | 08/17/21 10:00 | 1       |
| 1,1,1-Trichloroethane                 | ND        |              | 0.50 | 0.27  | ug/L |   |          | 08/17/21 10:00 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND        |              | 0.50 | 0.19  | ug/L |   |          | 08/17/21 10:00 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND        |              | 0.50 | 0.25  | ug/L |   |          | 08/17/21 10:00 | 1       |
| 1,1,2-Trichloroethane                 | ND        |              | 0.50 | 0.085 | ug/L |   |          | 08/17/21 10:00 | 1       |
| 1,1-Dichloroethane                    | ND        |              | 0.50 | 0.35  | ug/L |   |          | 08/17/21 10:00 | 1       |
| 1,1-Dichloroethene                    | ND        |              | 0.50 | 0.39  | ug/L |   |          | 08/17/21 10:00 | 1       |
| 1,1-Dichloropropene                   | ND        |              | 0.50 | 0.24  | ug/L |   |          | 08/17/21 10:00 | 1       |
| 1,2,3-Trichlorobenzene                | ND        |              | 0.50 | 0.28  | ug/L |   |          | 08/17/21 10:00 | 1       |
| 1,2,3-Trichloropropane                | ND        |              | 0.50 | 0.32  | ug/L |   |          | 08/17/21 10:00 | 1       |
| 1,2,4-Trichlorobenzene                | ND        |              | 0.50 | 0.38  | ug/L |   |          | 08/17/21 10:00 | 1       |
| 1,2,4-Trimethylbenzene                | ND        |              | 0.50 | 0.29  | ug/L |   |          | 08/17/21 10:00 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND        |              | 1.0  | 0.64  | ug/L |   |          | 08/17/21 10:00 | 1       |
| 1,2-Dibromoethane                     | ND        |              | 0.50 | 0.14  | ug/L |   |          | 08/17/21 10:00 | 1       |
| 1,2-Dichlorobenzene                   | ND        |              | 0.50 | 0.23  | ug/L |   |          | 08/17/21 10:00 | 1       |
| 1,2-Dichloroethane                    | ND        |              | 0.50 | 0.15  | ug/L |   |          | 08/17/21 10:00 | 1       |
| 1,2-Dichloropropane                   | ND        |              | 0.50 | 0.24  | ug/L |   |          | 08/17/21 10:00 | 1       |
| 1,3,5-Trimethylbenzene                | ND        |              | 0.50 | 0.28  | ug/L |   |          | 08/17/21 10:00 | 1       |
| 1,3-Dichlorobenzene                   | ND        |              | 0.50 | 0.26  | ug/L |   |          | 08/17/21 10:00 | 1       |
| 1,3-Dichloropropane                   | ND        |              | 0.50 | 0.20  | ug/L |   |          | 08/17/21 10:00 | 1       |
| 1,4-Dichlorobenzene                   | ND        |              | 0.50 | 0.22  | ug/L |   |          | 08/17/21 10:00 | 1       |
| 2,2-Dichloropropane                   | ND        |              | 0.50 | 0.40  | ug/L |   |          | 08/17/21 10:00 | 1       |
| 2-Butanone                            | ND        |              | 5.0  | 3.0   | ug/L |   |          | 08/17/21 10:00 | 1       |
| 2-Chlorotoluene                       | ND        |              | 0.50 | 0.31  | ug/L |   |          | 08/17/21 10:00 | 1       |
| 2-Hexanone                            | ND        |              | 6.0  | 4.3   | ug/L |   |          | 08/17/21 10:00 | 1       |
| 4-Chlorotoluene                       | ND        |              | 0.50 | 0.34  | ug/L |   |          | 08/17/21 10:00 | 1       |
| 4-Methyl-2-pentanone                  | ND        |              | 5.0  | 2.2   | ug/L |   |          | 08/17/21 10:00 | 1       |
| Acetone                               | ND        |              | 8.0  | 4.0   | ug/L |   |          | 08/17/21 10:00 | 1       |
| Benzene                               | ND        |              | 0.50 | 0.27  | ug/L |   |          | 08/17/21 10:00 | 1       |
| Bromobenzene                          | ND        |              | 0.50 | 0.26  | ug/L |   |          | 08/17/21 10:00 | 1       |
| Bromochloromethane                    | ND        |              | 1.0  | 0.35  | ug/L |   |          | 08/17/21 10:00 | 1       |
| Bromodichloromethane                  | ND        |              | 0.50 | 0.22  | ug/L |   |          | 08/17/21 10:00 | 1       |
| Bromoform                             | ND        |              | 0.50 | 0.39  | ug/L |   |          | 08/17/21 10:00 | 1       |
| Bromomethane                          | ND        |              | 1.0  | 0.93  | ug/L |   |          | 08/17/21 10:00 | 1       |
| cis-1,2-Dichloroethene                | ND        |              | 0.50 | 0.30  | ug/L |   |          | 08/17/21 10:00 | 1       |
| cis-1,3-Dichloropropene               | ND        |              | 0.50 | 0.19  | ug/L |   |          | 08/17/21 10:00 | 1       |
| Carbon disulfide                      | ND        |              | 1.0  | 0.24  | ug/L |   |          | 08/17/21 10:00 | 1       |
| Carbon tetrachloride                  | ND        |              | 0.50 | 0.27  | ug/L |   |          | 08/17/21 10:00 | 1       |
| Chlorobenzene                         | ND        |              | 0.50 | 0.24  | ug/L |   |          | 08/17/21 10:00 | 1       |
| Chloroethane                          | ND        |              | 0.50 | 0.44  | ug/L |   |          | 08/17/21 10:00 | 1       |
| Chloroform                            | ND        |              | 0.50 | 0.28  | ug/L |   |          | 08/17/21 10:00 | 1       |
| Chloromethane                         | ND        |              | 1.0  | 0.29  | ug/L |   |          | 08/17/21 10:00 | 1       |
| Dibromochloromethane                  | ND        |              | 0.50 | 0.27  | ug/L |   |          | 08/17/21 10:00 | 1       |
| Dibromomethane                        | ND        |              | 0.50 | 0.23  | ug/L |   |          | 08/17/21 10:00 | 1       |
| Dichlorodifluoromethane               | ND        |              | 1.0  | 0.68  | ug/L |   |          | 08/17/21 10:00 | 1       |
| Ethylbenzene                          | ND        |              | 0.50 | 0.36  | ug/L |   |          | 08/17/21 10:00 | 1       |
| Isopropylbenzene                      | ND        |              | 0.50 | 0.38  | ug/L |   |          | 08/17/21 10:00 | 1       |
| Methylene Chloride                    | ND        |              | 1.0  | 0.48  | ug/L |   |          | 08/17/21 10:00 | 1       |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-171896/6

Matrix: Water

Analysis Batch: 171896

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|------|------|------|---|----------|----------------|---------|
| Methyl-t-Butyl Ether (MTBE) | ND        |              | 0.50 | 0.21 | ug/L |   |          | 08/17/21 10:00 | 1       |
| Naphthalene                 | ND        |              | 1.0  | 0.32 | ug/L |   |          | 08/17/21 10:00 | 1       |
| n-Butylbenzene              | ND        |              | 0.50 | 0.29 | ug/L |   |          | 08/17/21 10:00 | 1       |
| N-Propylbenzene             | ND        |              | 0.50 | 0.39 | ug/L |   |          | 08/17/21 10:00 | 1       |
| o-Xylene                    | ND        |              | 0.50 | 0.35 | ug/L |   |          | 08/17/21 10:00 | 1       |
| m,p-Xylene                  | ND        |              | 1.0  | 0.78 | ug/L |   |          | 08/17/21 10:00 | 1       |
| p-Isopropyltoluene          | ND        |              | 0.50 | 0.28 | ug/L |   |          | 08/17/21 10:00 | 1       |
| sec-Butylbenzene            | ND        |              | 0.50 | 0.34 | ug/L |   |          | 08/17/21 10:00 | 1       |
| Styrene                     | ND        |              | 0.50 | 0.28 | ug/L |   |          | 08/17/21 10:00 | 1       |
| trans-1,2-Dichloroethene    | ND        |              | 0.50 | 0.36 | ug/L |   |          | 08/17/21 10:00 | 1       |
| trans-1,3-Dichloropropene   | ND        |              | 0.50 | 0.17 | ug/L |   |          | 08/17/21 10:00 | 1       |
| tert-Butylbenzene           | ND        |              | 0.50 | 0.34 | ug/L |   |          | 08/17/21 10:00 | 1       |
| Tetrachloroethene           | ND        |              | 0.50 | 0.29 | ug/L |   |          | 08/17/21 10:00 | 1       |
| Toluene                     | ND        |              | 0.50 | 0.33 | ug/L |   |          | 08/17/21 10:00 | 1       |
| Trichloroethene             | ND        |              | 0.50 | 0.29 | ug/L |   |          | 08/17/21 10:00 | 1       |
| Trichlorofluoromethane      | ND        |              | 0.50 | 0.30 | ug/L |   |          | 08/17/21 10:00 | 1       |
| Vinyl acetate               | ND        |              | 5.0  | 3.1  | ug/L |   |          | 08/17/21 10:00 | 1       |
| Vinyl chloride              | ND        |              | 0.50 | 0.40 | ug/L |   |          | 08/17/21 10:00 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 110          |              | 68 - 135 |          | 08/17/21 10:00 | 1       |
| 4-Bromofluorobenzene (Surr)  | 91           |              | 71 - 120 |          | 08/17/21 10:00 | 1       |
| Dibromofluoromethane         | 103          |              | 80 - 120 |          | 08/17/21 10:00 | 1       |
| Toluene-d8 (Surr)            | 101          |              | 80 - 120 |          | 08/17/21 10:00 | 1       |

Lab Sample ID: LCS 570-171896/3

Matrix: Water

Analysis Batch: 171896

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,1,1,2-Tetrachloroethane             | 10.0        | 9.986      |               | ug/L |   | 100  | 76 - 143     |
| 1,1,1-Trichloroethane                 | 10.0        | 9.860      |               | ug/L |   | 99   | 75 - 128     |
| 1,1,2,2-Tetrachloroethane             | 10.0        | 10.50      |               | ug/L |   | 105  | 73 - 126     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0        | 9.625      |               | ug/L |   | 96   | 50 - 120     |
| 1,1,2-Trichloroethane                 | 10.0        | 9.858      |               | ug/L |   | 99   | 80 - 120     |
| 1,1-Dichloroethane                    | 10.0        | 9.605      |               | ug/L |   | 96   | 76 - 120     |
| 1,1-Dichloroethene                    | 10.0        | 9.724      |               | ug/L |   | 97   | 72 - 120     |
| 1,1-Dichloropropene                   | 10.0        | 9.854      |               | ug/L |   | 99   | 76 - 120     |
| 1,2,3-Trichlorobenzene                | 10.0        | 10.55      |               | ug/L |   | 106  | 80 - 125     |
| 1,2,3-Trichloropropane                | 10.0        | 10.04      |               | ug/L |   | 100  | 66 - 131     |
| 1,2,4-Trichlorobenzene                | 10.0        | 10.30      |               | ug/L |   | 103  | 80 - 123     |
| 1,2,4-Trimethylbenzene                | 10.0        | 10.42      |               | ug/L |   | 104  | 78 - 125     |
| 1,2-Dibromo-3-Chloropropane           | 10.0        | 9.301      |               | ug/L |   | 93   | 77 - 120     |
| 1,2-Dibromoethane                     | 10.0        | 9.739      |               | ug/L |   | 97   | 80 - 120     |
| 1,2-Dichlorobenzene                   | 10.0        | 9.821      |               | ug/L |   | 98   | 79 - 123     |
| 1,2-Dichloroethane                    | 10.0        | 9.945      |               | ug/L |   | 99   | 71 - 137     |
| 1,2-Dichloropropane                   | 10.0        | 9.647      |               | ug/L |   | 96   | 80 - 120     |
| 1,3,5-Trimethylbenzene                | 10.0        | 10.48      |               | ug/L |   | 105  | 77 - 133     |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-171896/3

Matrix: Water

Analysis Batch: 171896

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,3-Dichlorobenzene         | 10.0        | 9.886      |               | ug/L |   | 99   | 79 - 123     |
| 1,3-Dichloropropane         | 10.0        | 9.727      |               | ug/L |   | 97   | 80 - 123     |
| 1,4-Dichlorobenzene         | 10.0        | 9.528      |               | ug/L |   | 95   | 75 - 123     |
| 2,2-Dichloropropane         | 10.0        | 10.94      |               | ug/L |   | 109  | 78 - 133     |
| 2-Butanone                  | 10.0        | 9.465      |               | ug/L |   | 95   | 32 - 133     |
| 2-Chlorotoluene             | 10.0        | 10.08      |               | ug/L |   | 101  | 80 - 120     |
| 2-Hexanone                  | 10.0        | 10.58      |               | ug/L |   | 106  | 57 - 127     |
| 4-Chlorotoluene             | 10.0        | 10.11      |               | ug/L |   | 101  | 78 - 120     |
| 4-Methyl-2-pentanone        | 10.0        | 9.011      |               | ug/L |   | 90   | 68 - 120     |
| Acetone                     | 10.0        | 7.237      | J             | ug/L |   | 72   | 57 - 133     |
| Benzene                     | 10.0        | 9.713      |               | ug/L |   | 97   | 80 - 120     |
| Bromobenzene                | 10.0        | 9.841      |               | ug/L |   | 98   | 80 - 124     |
| Bromochloromethane          | 10.0        | 9.822      |               | ug/L |   | 98   | 76 - 125     |
| Bromodichloromethane        | 10.0        | 9.916      |               | ug/L |   | 99   | 77 - 141     |
| Bromoform                   | 10.0        | 10.21      |               | ug/L |   | 102  | 46 - 178     |
| Bromomethane                | 10.0        | 10.65      |               | ug/L |   | 107  | 52 - 162     |
| cis-1,2-Dichloroethene      | 10.0        | 9.846      |               | ug/L |   | 98   | 76 - 122     |
| cis-1,3-Dichloropropene     | 10.0        | 9.901      |               | ug/L |   | 99   | 80 - 122     |
| Carbon disulfide            | 10.0        | 9.837      |               | ug/L |   | 98   | 66 - 125     |
| Carbon tetrachloride        | 10.0        | 10.35      |               | ug/L |   | 103  | 69 - 145     |
| Chlorobenzene               | 10.0        | 9.618      |               | ug/L |   | 96   | 80 - 120     |
| Chloroethane                | 10.0        | 11.83      |               | ug/L |   | 118  | 73 - 139     |
| Chloroform                  | 10.0        | 9.767      |               | ug/L |   | 98   | 80 - 120     |
| Chloromethane               | 10.0        | 10.27      |               | ug/L |   | 103  | 35 - 159     |
| Dibromochloromethane        | 10.0        | 10.43      |               | ug/L |   | 104  | 63 - 151     |
| Dibromomethane              | 10.0        | 9.693      |               | ug/L |   | 97   | 80 - 121     |
| Dichlorodifluoromethane     | 10.0        | 10.48      |               | ug/L |   | 105  | 59 - 139     |
| Ethylbenzene                | 10.0        | 10.20      |               | ug/L |   | 102  | 80 - 120     |
| Isopropylbenzene            | 10.0        | 10.54      |               | ug/L |   | 105  | 80 - 124     |
| Methylene Chloride          | 10.0        | 10.90      |               | ug/L |   | 109  | 70 - 120     |
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 9.692      |               | ug/L |   | 97   | 72 - 120     |
| Naphthalene                 | 10.0        | 9.575      |               | ug/L |   | 96   | 75 - 120     |
| n-Butylbenzene              | 10.0        | 10.82      |               | ug/L |   | 108  | 76 - 124     |
| N-Propylbenzene             | 10.0        | 10.63      |               | ug/L |   | 106  | 80 - 122     |
| o-Xylene                    | 10.0        | 10.46      |               | ug/L |   | 105  | 80 - 122     |
| m,p-Xylene                  | 20.0        | 20.66      |               | ug/L |   | 103  | 80 - 122     |
| p-Isopropyltoluene          | 10.0        | 10.65      |               | ug/L |   | 107  | 77 - 127     |
| sec-Butylbenzene            | 10.0        | 10.53      |               | ug/L |   | 105  | 75 - 123     |
| Styrene                     | 10.0        | 10.58      |               | ug/L |   | 106  | 80 - 121     |
| trans-1,2-Dichloroethene    | 10.0        | 9.759      |               | ug/L |   | 98   | 67 - 123     |
| trans-1,3-Dichloropropene   | 10.0        | 10.17      |               | ug/L |   | 102  | 78 - 140     |
| tert-Butylbenzene           | 10.0        | 10.40      |               | ug/L |   | 104  | 72 - 128     |
| Tetrachloroethene           | 10.0        | 10.16      |               | ug/L |   | 102  | 80 - 128     |
| Toluene                     | 10.0        | 9.749      |               | ug/L |   | 97   | 80 - 120     |
| Trichloroethene             | 10.0        | 9.633      |               | ug/L |   | 96   | 80 - 123     |
| Trichlorofluoromethane      | 10.0        | 10.54      |               | ug/L |   | 105  | 64 - 168     |
| Vinyl acetate               | 10.0        | 12.39      |               | ug/L |   | 124  | 75 - 144     |
| Vinyl chloride              | 10.0        | 10.08      |               | ug/L |   | 101  | 74 - 130     |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-171896/3

Matrix: Water

Analysis Batch: 171896

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Surrogate                    | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|------------------------------|------------------|------------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 97               |                  | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 101              |                  | 71 - 120 |
| Dibromofluoromethane         | 101              |                  | 80 - 120 |
| Toluene-d8 (Surr)            | 100              |                  | 80 - 120 |

Lab Sample ID: LCSD 570-171896/4

Matrix: Water

Analysis Batch: 171896

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|---------------------------------------|----------------|----------------|-------------------|------|---|------|-----------------|-----|--------------|
| 1,1,1,2-Tetrachloroethane             | 10.0           | 9.812          |                   | ug/L |   | 98   | 76 - 143        | 2   | 20           |
| 1,1,1-Trichloroethane                 | 10.0           | 10.20          |                   | ug/L |   | 102  | 75 - 128        | 3   | 20           |
| 1,1,2,2-Tetrachloroethane             | 10.0           | 10.10          |                   | ug/L |   | 101  | 73 - 126        | 4   | 21           |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0           | 9.563          |                   | ug/L |   | 96   | 50 - 120        | 1   | 20           |
| 1,1,2-Trichloroethane                 | 10.0           | 9.583          |                   | ug/L |   | 96   | 80 - 120        | 3   | 20           |
| 1,1-Dichloroethane                    | 10.0           | 9.993          |                   | ug/L |   | 100  | 76 - 120        | 4   | 20           |
| 1,1-Dichloroethene                    | 10.0           | 9.903          |                   | ug/L |   | 99   | 72 - 120        | 2   | 20           |
| 1,1-Dichloropropene                   | 10.0           | 10.10          |                   | ug/L |   | 101  | 76 - 120        | 2   | 20           |
| 1,2,3-Trichlorobenzene                | 10.0           | 10.00          |                   | ug/L |   | 100  | 80 - 125        | 5   | 22           |
| 1,2,3-Trichloropropane                | 10.0           | 9.740          |                   | ug/L |   | 97   | 66 - 131        | 3   | 20           |
| 1,2,4-Trichlorobenzene                | 10.0           | 9.755          |                   | ug/L |   | 98   | 80 - 123        | 5   | 20           |
| 1,2,4-Trimethylbenzene                | 10.0           | 10.13          |                   | ug/L |   | 101  | 78 - 125        | 3   | 22           |
| 1,2-Dibromo-3-Chloropropane           | 10.0           | 9.219          |                   | ug/L |   | 92   | 77 - 120        | 1   | 21           |
| 1,2-Dibromoethane                     | 10.0           | 9.423          |                   | ug/L |   | 94   | 80 - 120        | 3   | 20           |
| 1,2-Dichlorobenzene                   | 10.0           | 9.587          |                   | ug/L |   | 96   | 79 - 123        | 2   | 20           |
| 1,2-Dichloroethane                    | 10.0           | 9.782          |                   | ug/L |   | 98   | 71 - 137        | 2   | 20           |
| 1,2-Dichloropropane                   | 10.0           | 9.618          |                   | ug/L |   | 96   | 80 - 120        | 0   | 20           |
| 1,3,5-Trimethylbenzene                | 10.0           | 10.33          |                   | ug/L |   | 103  | 77 - 133        | 1   | 20           |
| 1,3-Dichlorobenzene                   | 10.0           | 9.433          |                   | ug/L |   | 94   | 79 - 123        | 5   | 20           |
| 1,3-Dichloropropane                   | 10.0           | 9.560          |                   | ug/L |   | 96   | 80 - 123        | 2   | 20           |
| 1,4-Dichlorobenzene                   | 10.0           | 9.254          |                   | ug/L |   | 93   | 75 - 123        | 3   | 22           |
| 2,2-Dichloropropane                   | 10.0           | 11.33          |                   | ug/L |   | 113  | 78 - 133        | 3   | 20           |
| 2-Butanone                            | 10.0           | 8.417          |                   | ug/L |   | 84   | 32 - 133        | 12  | 26           |
| 2-Chlorotoluene                       | 10.0           | 9.841          |                   | ug/L |   | 98   | 80 - 120        | 2   | 20           |
| 2-Hexanone                            | 10.0           | 10.41          |                   | ug/L |   | 104  | 57 - 127        | 2   | 21           |
| 4-Chlorotoluene                       | 10.0           | 9.669          |                   | ug/L |   | 97   | 78 - 120        | 4   | 21           |
| 4-Methyl-2-pentanone                  | 10.0           | 9.405          |                   | ug/L |   | 94   | 68 - 120        | 4   | 20           |
| Acetone                               | 10.0           | 7.886          | J                 | ug/L |   | 79   | 57 - 133        | 9   | 28           |
| Benzene                               | 10.0           | 9.896          |                   | ug/L |   | 99   | 80 - 120        | 2   | 20           |
| Bromobenzene                          | 10.0           | 9.784          |                   | ug/L |   | 98   | 80 - 124        | 1   | 20           |
| Bromochloromethane                    | 10.0           | 10.02          |                   | ug/L |   | 100  | 76 - 125        | 2   | 20           |
| Bromodichloromethane                  | 10.0           | 10.06          |                   | ug/L |   | 101  | 77 - 141        | 1   | 20           |
| Bromoform                             | 10.0           | 9.526          |                   | ug/L |   | 95   | 46 - 178        | 7   | 23           |
| Bromomethane                          | 10.0           | 10.35          |                   | ug/L |   | 103  | 52 - 162        | 3   | 20           |
| cis-1,2-Dichloroethene                | 10.0           | 10.35          |                   | ug/L |   | 103  | 76 - 122        | 5   | 20           |
| cis-1,3-Dichloropropene               | 10.0           | 9.734          |                   | ug/L |   | 97   | 80 - 122        | 2   | 20           |
| Carbon disulfide                      | 10.0           | 9.874          |                   | ug/L |   | 99   | 66 - 125        | 0   | 20           |
| Carbon tetrachloride                  | 10.0           | 10.52          |                   | ug/L |   | 105  | 69 - 145        | 2   | 20           |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-171896/4

Matrix: Water

Analysis Batch: 171896

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                     | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Chlorobenzene               | 10.0        | 9.563       |                | ug/L |   | 96   | 80 - 120     | 1   | 20        |
| Chloroethane                | 10.0        | 12.38       |                | ug/L |   | 124  | 73 - 139     | 5   | 20        |
| Chloroform                  | 10.0        | 9.914       |                | ug/L |   | 99   | 80 - 120     | 1   | 20        |
| Chloromethane               | 10.0        | 10.45       |                | ug/L |   | 104  | 35 - 159     | 2   | 20        |
| Dibromochloromethane        | 10.0        | 10.15       |                | ug/L |   | 101  | 63 - 151     | 3   | 20        |
| Dibromomethane              | 10.0        | 9.903       |                | ug/L |   | 99   | 80 - 121     | 2   | 20        |
| Dichlorodifluoromethane     | 10.0        | 10.81       |                | ug/L |   | 108  | 59 - 139     | 3   | 20        |
| Ethylbenzene                | 10.0        | 10.19       |                | ug/L |   | 102  | 80 - 120     | 0   | 20        |
| Isopropylbenzene            | 10.0        | 10.49       |                | ug/L |   | 105  | 80 - 124     | 1   | 20        |
| Methylene Chloride          | 10.0        | 10.70       |                | ug/L |   | 107  | 70 - 120     | 2   | 20        |
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 9.890       |                | ug/L |   | 99   | 72 - 120     | 2   | 20        |
| Naphthalene                 | 10.0        | 9.308       |                | ug/L |   | 93   | 75 - 120     | 3   | 22        |
| n-Butylbenzene              | 10.0        | 10.51       |                | ug/L |   | 105  | 76 - 124     | 3   | 23        |
| N-Propylbenzene             | 10.0        | 10.53       |                | ug/L |   | 105  | 80 - 122     | 1   | 20        |
| o-Xylene                    | 10.0        | 10.33       |                | ug/L |   | 103  | 80 - 122     | 1   | 20        |
| m,p-Xylene                  | 20.0        | 20.73       |                | ug/L |   | 104  | 80 - 122     | 0   | 20        |
| p-Isopropyltoluene          | 10.0        | 10.35       |                | ug/L |   | 103  | 77 - 127     | 3   | 21        |
| sec-Butylbenzene            | 10.0        | 10.26       |                | ug/L |   | 103  | 75 - 123     | 3   | 21        |
| Styrene                     | 10.0        | 10.44       |                | ug/L |   | 104  | 80 - 121     | 1   | 20        |
| trans-1,2-Dichloroethene    | 10.0        | 10.13       |                | ug/L |   | 101  | 67 - 123     | 4   | 20        |
| trans-1,3-Dichloropropene   | 10.0        | 9.845       |                | ug/L |   | 98   | 78 - 140     | 3   | 20        |
| tert-Butylbenzene           | 10.0        | 9.992       |                | ug/L |   | 100  | 72 - 128     | 4   | 22        |
| Tetrachloroethene           | 10.0        | 10.10       |                | ug/L |   | 101  | 80 - 128     | 1   | 20        |
| Toluene                     | 10.0        | 9.869       |                | ug/L |   | 99   | 80 - 120     | 1   | 20        |
| Trichloroethene             | 10.0        | 9.707       |                | ug/L |   | 97   | 80 - 123     | 1   | 20        |
| Trichlorofluoromethane      | 10.0        | 10.73       |                | ug/L |   | 107  | 64 - 168     | 2   | 20        |
| Vinyl acetate               | 10.0        | 11.29       |                | ug/L |   | 113  | 75 - 144     | 9   | 25        |
| Vinyl chloride              | 10.0        | 10.44       |                | ug/L |   | 104  | 74 - 130     | 3   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 100            |                | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 102            |                | 71 - 120 |
| Dibromofluoromethane         | 102            |                | 80 - 120 |
| Toluene-d8 (Surr)            | 99             |                | 80 - 120 |

Lab Sample ID: MB 570-172242/6

Matrix: Water

Analysis Batch: 172242

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                      | MB Result    | MB Qualifier | RL       | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|------|------|---|----------|----------------|---------|
| Naphthalene                  | ND           |              | 1.0      | 0.32 | ug/L |   |          | 08/18/21 10:09 | 1       |
| Tetrachloroethene            | ND           |              | 0.50     | 0.29 | ug/L |   |          | 08/18/21 10:09 | 1       |
| Surrogate                    | MB %Recovery | MB Qualifier | Limits   |      |      |   | Prepared | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 99           |              | 68 - 135 |      |      |   |          | 08/18/21 10:09 | 1       |
| 4-Bromofluorobenzene (Surr)  | 94           |              | 71 - 120 |      |      |   |          | 08/18/21 10:09 | 1       |
| Dibromofluoromethane         | 96           |              | 80 - 120 |      |      |   |          | 08/18/21 10:09 | 1       |
| Toluene-d8 (Surr)            | 99           |              | 80 - 120 |      |      |   |          | 08/18/21 10:09 | 1       |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LCS 570-172242/3

Matrix: Water

Analysis Batch: 172242

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte           | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------|-------------|------------|---------------|------|---|------|--------------|
| Naphthalene       | 10.0        | 9.758      |               | ug/L |   | 98   | 75 - 120     |
| Tetrachloroethene | 10.0        | 9.915      |               | ug/L |   | 99   | 80 - 128     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 95            |               | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 100           |               | 71 - 120 |
| Dibromofluoromethane         | 97            |               | 80 - 120 |
| Toluene-d8 (Surr)            | 100           |               | 80 - 120 |

Lab Sample ID: LCSD 570-172242/4

Matrix: Water

Analysis Batch: 172242

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte           | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Naphthalene       | 10.0        | 9.754       |                | ug/L |   | 98   | 75 - 120     | 0   | 22        |
| Tetrachloroethene | 10.0        | 10.11       |                | ug/L |   | 101  | 80 - 128     | 2   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 91             |                | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 100            |                | 71 - 120 |
| Dibromofluoromethane         | 99             |                | 80 - 120 |
| Toluene-d8 (Surr)            | 98             |                | 80 - 120 |

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 570-169645/1-A

Matrix: Water

Analysis Batch: 170629

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 169645

| Analyte     | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------|-----------|--------------|------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane | ND        |              | 0.50 | 0.34 | ug/L |   | 08/07/21 09:42 | 08/12/21 09:59 | 1       |

| Isotope Dilution | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|--------------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 50           |              | 15 - 150 | 08/07/21 09:42 | 08/12/21 09:59 | 1       |

| Surrogate       | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------|--------------|--------------|----------|----------------|----------------|---------|
| Nitrobenzene-d5 | 71           |              | 46 - 128 | 08/07/21 09:42 | 08/12/21 09:59 | 1       |

Lab Sample ID: LCS 570-169645/2-A

Matrix: Water

Analysis Batch: 170629

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 169645

| Analyte     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------|-------------|------------|---------------|------|---|------|--------------|
| 1,4-Dioxane | 20.0        | 22.70      |               | ug/L |   | 114  | 57 - 136     |

| Isotope Dilution | LCS %Recovery | LCS Qualifier | Limits   |
|------------------|---------------|---------------|----------|
| 1,4-Dioxane-d8   | 55            |               | 15 - 150 |

Eurofins Calscience LLC



# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Lab Sample ID: LCS 570-169645/2-A  
Matrix: Water  
Analysis Batch: 170629

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 169645

| Surrogate       | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------|------------------|------------------|----------|
| Nitrobenzene-d5 | 68               |                  | 46 - 128 |

Lab Sample ID: LCSD 570-169645/3-A  
Matrix: Water  
Analysis Batch: 170629

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 169645

| Analyte          | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|------------------|-------------------|-------------------|----------|----------------|----------------|-------------------|------|---|------|-----------------|-----|--------------|
| 1,4-Dioxane      |                   |                   |          | 20.0           | 22.05          |                   | ug/L |   | 110  | 57 - 136        | 3   | 20           |
| Isotope Dilution | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |                |                |                   |      |   |      |                 |     |              |
| 1,4-Dioxane-d8   | 55                |                   | 15 - 150 |                |                |                   |      |   |      |                 |     |              |
| Surrogate        | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |                |                |                   |      |   |      |                 |     |              |
| Nitrobenzene-d5  | 65                |                   | 46 - 128 |                |                |                   |      |   |      |                 |     |              |

Lab Sample ID: 570-66280-3 MS  
Matrix: Water  
Analysis Batch: 170629

Client Sample ID: HEW-04  
Prep Type: Total/NA  
Prep Batch: 169645

| Analyte          | Sample<br>Result | Sample<br>Qualifier | Limits   | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |  |  |
|------------------|------------------|---------------------|----------|----------------|--------------|-----------------|------|---|------|-----------------|--|--|
| 1,4-Dioxane      | 6.8              |                     |          | 20.0           | 28.33        |                 | ug/L |   | 108  | 45 - 139        |  |  |
| Isotope Dilution | MS<br>%Recovery  | MS<br>Qualifier     | Limits   |                |              |                 |      |   |      |                 |  |  |
| 1,4-Dioxane-d8   | 53               |                     | 15 - 150 |                |              |                 |      |   |      |                 |  |  |
| Surrogate        | MS<br>%Recovery  | MS<br>Qualifier     | Limits   |                |              |                 |      |   |      |                 |  |  |
| Nitrobenzene-d5  | 66               |                     | 46 - 128 |                |              |                 |      |   |      |                 |  |  |

Lab Sample ID: 570-66280-3 MSD  
Matrix: Water  
Analysis Batch: 170629

Client Sample ID: HEW-04  
Prep Type: Total/NA  
Prep Batch: 169645

| Analyte          | Sample<br>Result | Sample<br>Qualifier | Limits   | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|------------------|------------------|---------------------|----------|----------------|---------------|------------------|------|---|------|-----------------|-----|--------------|
| 1,4-Dioxane      | 6.8              |                     |          | 20.0           | 27.70         |                  | ug/L |   | 105  | 45 - 139        | 2   | 17           |
| Isotope Dilution | MSD<br>%Recovery | MSD<br>Qualifier    | Limits   |                |               |                  |      |   |      |                 |     |              |
| 1,4-Dioxane-d8   | 55               |                     | 15 - 150 |                |               |                  |      |   |      |                 |     |              |
| Surrogate        | MSD<br>%Recovery | MSD<br>Qualifier    | Limits   |                |               |                  |      |   |      |                 |     |              |
| Nitrobenzene-d5  | 64               |                     | 46 - 128 |                |               |                  |      |   |      |                 |     |              |



# Marginal Exceedance (ME) Summary

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LCS 570-171501/3

Matrix: Water

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | %Rec | %Rec. Limits | ME %Rec. Limits | Marginal Exceedance Status |
|---------------------------------------|-------------|------------|---------------|------|------|--------------|-----------------|----------------------------|
| 1,1,1,2-Tetrachloroethane             | 10.0        | 9.204      |               | ug/L | 92   | 76 - 143     | 65 - 154        |                            |
| 1,1,1-Trichloroethane                 | 10.0        | 9.068      |               | ug/L | 91   | 75 - 128     | 66 - 137        |                            |
| 1,1,2,2-Tetrachloroethane             | 10.0        | 9.732      |               | ug/L | 97   | 73 - 126     | 64 - 135        |                            |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0        | 10.02      |               | ug/L | 100  | 50 - 120     | 38 - 132        |                            |
| 1,1,2-Trichloroethane                 | 10.0        | 9.160      |               | ug/L | 92   | 80 - 120     | 73 - 127        |                            |
| 1,1-Dichloroethane                    | 10.0        | 9.044      |               | ug/L | 90   | 76 - 120     | 69 - 127        |                            |
| 1,1-Dichloroethene                    | 10.0        | 9.344      |               | ug/L | 93   | 72 - 120     | 64 - 128        |                            |
| 1,1-Dichloropropene                   | 10.0        | 9.554      |               | ug/L | 96   | 76 - 120     | 69 - 127        |                            |
| 1,2,3-Trichlorobenzene                | 10.0        | 9.625      |               | ug/L | 96   | 80 - 125     | 73 - 133        |                            |
| 1,2,3-Trichloropropane                | 10.0        | 8.909      |               | ug/L | 89   | 66 - 131     | 55 - 142        |                            |
| 1,2,4-Trichlorobenzene                | 10.0        | 10.15      |               | ug/L | 102  | 80 - 123     | 73 - 130        |                            |
| 1,2,4-Trimethylbenzene                | 10.0        | 9.564      |               | ug/L | 96   | 78 - 125     | 70 - 133        |                            |
| 1,2-Dibromo-3-Chloropropane           | 10.0        | 8.379      |               | ug/L | 84   | 77 - 120     | 70 - 127        |                            |
| 1,2-Dibromoethane                     | 10.0        | 9.199      |               | ug/L | 92   | 80 - 120     | 73 - 127        |                            |
| 1,2-Dichlorobenzene                   | 10.0        | 9.711      |               | ug/L | 97   | 79 - 123     | 72 - 130        |                            |
| 1,2-Dichloroethane                    | 10.0        | 10.12      |               | ug/L | 101  | 71 - 137     | 60 - 148        |                            |
| 1,2-Dichloropropane                   | 10.0        | 9.860      |               | ug/L | 99   | 80 - 120     | 73 - 127        |                            |
| 1,3,5-Trimethylbenzene                | 10.0        | 9.699      |               | ug/L | 97   | 77 - 133     | 68 - 142        |                            |
| 1,3-Dichlorobenzene                   | 10.0        | 9.386      |               | ug/L | 94   | 79 - 123     | 72 - 130        |                            |
| 1,3-Dichloropropane                   | 10.0        | 9.847      |               | ug/L | 98   | 80 - 123     | 73 - 130        |                            |
| 1,4-Dichlorobenzene                   | 10.0        | 9.337      |               | ug/L | 93   | 75 - 123     | 67 - 131        |                            |
| 2,2-Dichloropropane                   | 10.0        | 10.40      |               | ug/L | 104  | 78 - 133     | 69 - 142        |                            |
| 2-Butanone                            | 10.0        | 9.364      |               | ug/L | 94   | 32 - 133     | 15 - 150        |                            |
| 2-Chlorotoluene                       | 10.0        | 9.239      |               | ug/L | 92   | 80 - 120     | 73 - 127        |                            |
| 2-Hexanone                            | 10.0        | 9.093      |               | ug/L | 91   | 57 - 127     | 45 - 139        |                            |
| 4-Chlorotoluene                       | 10.0        | 9.244      |               | ug/L | 92   | 78 - 120     | 71 - 127        |                            |
| 4-Methyl-2-pentanone                  | 10.0        | 9.447      |               | ug/L | 94   | 68 - 120     | 59 - 129        |                            |
| Acetone                               | 10.0        | 8.529      |               | ug/L | 85   | 57 - 133     | 44 - 146        |                            |
| Benzene                               | 10.0        | 9.698      |               | ug/L | 97   | 80 - 120     | 73 - 127        |                            |
| Bromobenzene                          | 10.0        | 9.734      |               | ug/L | 97   | 80 - 124     | 73 - 131        |                            |
| Bromochloromethane                    | 10.0        | 9.269      |               | ug/L | 93   | 76 - 125     | 68 - 133        |                            |
| Bromodichloromethane                  | 10.0        | 9.798      |               | ug/L | 98   | 77 - 141     | 66 - 152        |                            |
| Bromoform                             | 10.0        | 9.494      |               | ug/L | 95   | 46 - 178     | 24 - 200        |                            |
| Bromomethane                          | 10.0        | 8.830      |               | ug/L | 88   | 52 - 162     | 34 - 180        |                            |
| cis-1,2-Dichloroethene                | 10.0        | 9.280      |               | ug/L | 93   | 76 - 122     | 68 - 130        |                            |
| cis-1,3-Dichloropropene               | 10.0        | 9.841      |               | ug/L | 98   | 80 - 122     | 73 - 129        |                            |
| Carbon disulfide                      | 10.0        | 9.046      |               | ug/L | 90   | 66 - 125     | 56 - 135        |                            |
| Carbon tetrachloride                  | 10.0        | 9.236      |               | ug/L | 92   | 69 - 145     | 56 - 158        |                            |
| Chlorobenzene                         | 10.0        | 9.400      |               | ug/L | 94   | 80 - 120     | 73 - 127        |                            |
| Chloroethane                          | 10.0        | 7.408      |               | ug/L | 74   | 73 - 139     | 62 - 150        |                            |
| Chloroform                            | 10.0        | 9.186      |               | ug/L | 92   | 80 - 120     | 73 - 127        |                            |
| Chloromethane                         | 10.0        | 9.096      |               | ug/L | 91   | 35 - 159     | 14 - 180        |                            |
| Dibromochloromethane                  | 10.0        | 10.04      |               | ug/L | 100  | 63 - 151     | 48 - 166        |                            |
| Dibromomethane                        | 10.0        | 9.997      |               | ug/L | 100  | 80 - 121     | 73 - 128        |                            |
| Dichlorodifluoromethane               | 10.0        | 5.347      | *- me         | ug/L | 53   | 59 - 139     | 46 - 152        | ME                         |
| Ethylbenzene                          | 10.0        | 9.603      |               | ug/L | 96   | 80 - 120     | 73 - 127        |                            |
| Isopropylbenzene                      | 10.0        | 9.470      |               | ug/L | 95   | 80 - 124     | 73 - 131        |                            |
| Methylene Chloride                    | 10.0        | 9.141      |               | ug/L | 91   | 70 - 120     | 62 - 128        |                            |
| Methyl-t-Butyl Ether (MTBE)           | 10.0        | 9.112      |               | ug/L | 91   | 72 - 120     | 64 - 128        |                            |

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# Marginal Exceedance (ME) Summary

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-171501/3

Matrix: Water

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | %Rec | %Rec. Limits | ME %Rec. Limits | Marginal Exceedance Status |
|---------------------------|-------------|------------|---------------|------|------|--------------|-----------------|----------------------------|
| Naphthalene               | 10.0        | 9.325      |               | ug/L | 93   | 75 - 120     | 68 - 128        |                            |
| n-Butylbenzene            | 10.0        | 9.922      |               | ug/L | 99   | 76 - 124     | 68 - 132        |                            |
| N-Propylbenzene           | 10.0        | 9.672      |               | ug/L | 97   | 80 - 122     | 73 - 129        |                            |
| o-Xylene                  | 10.0        | 9.461      |               | ug/L | 95   | 80 - 122     | 73 - 129        |                            |
| m,p-Xylene                | 20.0        | 19.03      |               | ug/L | 95   | 80 - 122     | 73 - 129        |                            |
| p-Isopropyltoluene        | 10.0        | 9.671      |               | ug/L | 97   | 77 - 127     | 69 - 135        |                            |
| sec-Butylbenzene          | 10.0        | 9.358      |               | ug/L | 94   | 75 - 123     | 67 - 131        |                            |
| Styrene                   | 10.0        | 9.551      |               | ug/L | 96   | 80 - 121     | 73 - 128        |                            |
| trans-1,2-Dichloroethene  | 10.0        | 8.783      |               | ug/L | 88   | 67 - 123     | 58 - 132        |                            |
| trans-1,3-Dichloropropene | 10.0        | 9.877      |               | ug/L | 99   | 78 - 140     | 68 - 150        |                            |
| tert-Butylbenzene         | 10.0        | 9.265      |               | ug/L | 93   | 72 - 128     | 63 - 137        |                            |
| Tetrachloroethene         | 10.0        | 9.759      |               | ug/L | 98   | 80 - 128     | 72 - 136        |                            |
| Toluene                   | 10.0        | 9.706      |               | ug/L | 97   | 80 - 120     | 73 - 127        |                            |
| Trichloroethene           | 10.0        | 9.221      |               | ug/L | 92   | 80 - 123     | 73 - 130        |                            |
| Trichlorofluoromethane    | 10.0        | 7.652      |               | ug/L | 77   | 64 - 168     | 47 - 185        |                            |
| Vinyl acetate             | 10.0        | 11.58      |               | ug/L | 116  | 75 - 144     | 64 - 156        |                            |
| Vinyl chloride            | 10.0        | 7.024      | *- me         | ug/L | 70   | 74 - 130     | 65 - 139        | ME                         |

### Summary

| Number of Analytes Reported | Number of Marginal Exceedances Allowed | Number of Marginal Exceedances Found |
|-----------------------------|----------------------------------------|--------------------------------------|
| 66                          | 3                                      | 2                                    |

ME = Marginal Exceedance

Lab Sample ID: LCSD 570-171501/4

Matrix: Water

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA

| Analyte                               | Spike Added | LCSD Result | LCSD Qualifier | Unit | %Rec | %Rec. Limits | ME %Rec. Limits | Marginal Exceedance Status |
|---------------------------------------|-------------|-------------|----------------|------|------|--------------|-----------------|----------------------------|
| 1,1,1,2-Tetrachloroethane             | 10.0        | 9.591       |                | ug/L | 96   | 76 - 143     | 65 - 154        |                            |
| 1,1,1-Trichloroethane                 | 10.0        | 9.461       |                | ug/L | 95   | 75 - 128     | 66 - 137        |                            |
| 1,1,2,2-Tetrachloroethane             | 10.0        | 9.756       |                | ug/L | 98   | 73 - 126     | 64 - 135        |                            |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0        | 10.85       |                | ug/L | 109  | 50 - 120     | 38 - 132        |                            |
| 1,1,2-Trichloroethane                 | 10.0        | 9.357       |                | ug/L | 94   | 80 - 120     | 73 - 127        |                            |
| 1,1-Dichloroethane                    | 10.0        | 9.574       |                | ug/L | 96   | 76 - 120     | 69 - 127        |                            |
| 1,1-Dichloroethene                    | 10.0        | 9.957       |                | ug/L | 100  | 72 - 120     | 64 - 128        |                            |
| 1,1-Dichloropropene                   | 10.0        | 10.01       |                | ug/L | 100  | 76 - 120     | 69 - 127        |                            |
| 1,2,3-Trichlorobenzene                | 10.0        | 9.455       |                | ug/L | 95   | 80 - 125     | 73 - 133        |                            |
| 1,2,3-Trichloropropane                | 10.0        | 9.077       |                | ug/L | 91   | 66 - 131     | 55 - 142        |                            |
| 1,2,4-Trichlorobenzene                | 10.0        | 10.18       |                | ug/L | 102  | 80 - 123     | 73 - 130        |                            |
| 1,2,4-Trimethylbenzene                | 10.0        | 9.841       |                | ug/L | 98   | 78 - 125     | 70 - 133        |                            |
| 1,2-Dibromo-3-Chloropropane           | 10.0        | 8.623       |                | ug/L | 86   | 77 - 120     | 70 - 127        |                            |
| 1,2-Dibromoethane                     | 10.0        | 9.253       |                | ug/L | 93   | 80 - 120     | 73 - 127        |                            |
| 1,2-Dichlorobenzene                   | 10.0        | 9.652       |                | ug/L | 97   | 79 - 123     | 72 - 130        |                            |
| 1,2-Dichloroethane                    | 10.0        | 10.06       |                | ug/L | 101  | 71 - 137     | 60 - 148        |                            |
| 1,2-Dichloropropane                   | 10.0        | 9.896       |                | ug/L | 99   | 80 - 120     | 73 - 127        |                            |
| 1,3,5-Trimethylbenzene                | 10.0        | 9.869       |                | ug/L | 99   | 77 - 133     | 68 - 142        |                            |
| 1,3-Dichlorobenzene                   | 10.0        | 9.638       |                | ug/L | 96   | 79 - 123     | 72 - 130        |                            |
| 1,3-Dichloropropane                   | 10.0        | 9.809       |                | ug/L | 98   | 80 - 123     | 73 - 130        |                            |
| 1,4-Dichlorobenzene                   | 10.0        | 9.185       |                | ug/L | 92   | 75 - 123     | 67 - 131        |                            |

Eurofins Calscience LLC

# Marginal Exceedance (ME) Summary

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-171501/4  
Matrix: Water

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA

| Analyte                     | Spike Added | LCSD Result | LCSD Qualifier | Unit | %Rec | %Rec. Limits | ME %Rec. Limits | Marginal Exceedance Status |
|-----------------------------|-------------|-------------|----------------|------|------|--------------|-----------------|----------------------------|
| 2,2-Dichloropropane         | 10.0        | 10.76       |                | ug/L | 108  | 78 - 133     | 69 - 142        |                            |
| 2-Butanone                  | 10.0        | 7.748       |                | ug/L | 77   | 32 - 133     | 15 - 150        |                            |
| 2-Chlorotoluene             | 10.0        | 9.499       |                | ug/L | 95   | 80 - 120     | 73 - 127        |                            |
| 2-Hexanone                  | 10.0        | 7.619       |                | ug/L | 76   | 57 - 127     | 45 - 139        |                            |
| 4-Chlorotoluene             | 10.0        | 9.391       |                | ug/L | 94   | 78 - 120     | 71 - 127        |                            |
| 4-Methyl-2-pentanone        | 10.0        | 9.208       |                | ug/L | 92   | 68 - 120     | 59 - 129        |                            |
| Acetone                     | 10.0        | 8.579       |                | ug/L | 86   | 57 - 133     | 44 - 146        |                            |
| Benzene                     | 10.0        | 9.959       |                | ug/L | 100  | 80 - 120     | 73 - 127        |                            |
| Bromobenzene                | 10.0        | 9.734       |                | ug/L | 97   | 80 - 124     | 73 - 131        |                            |
| Bromochloromethane          | 10.0        | 9.534       |                | ug/L | 95   | 76 - 125     | 68 - 133        |                            |
| Bromodichloromethane        | 10.0        | 10.10       |                | ug/L | 101  | 77 - 141     | 66 - 152        |                            |
| Bromoform                   | 10.0        | 9.485       |                | ug/L | 95   | 46 - 178     | 24 - 200        |                            |
| Bromomethane                | 10.0        | 8.957       |                | ug/L | 90   | 52 - 162     | 34 - 180        |                            |
| cis-1,2-Dichloroethene      | 10.0        | 9.705       |                | ug/L | 97   | 76 - 122     | 68 - 130        |                            |
| cis-1,3-Dichloropropene     | 10.0        | 10.12       |                | ug/L | 101  | 80 - 122     | 73 - 129        |                            |
| Carbon disulfide            | 10.0        | 9.564       |                | ug/L | 96   | 66 - 125     | 56 - 135        |                            |
| Carbon tetrachloride        | 10.0        | 9.677       |                | ug/L | 97   | 69 - 145     | 56 - 158        |                            |
| Chlorobenzene               | 10.0        | 9.559       |                | ug/L | 96   | 80 - 120     | 73 - 127        |                            |
| Chloroethane                | 10.0        | 7.832       |                | ug/L | 78   | 73 - 139     | 62 - 150        |                            |
| Chloroform                  | 10.0        | 9.547       |                | ug/L | 95   | 80 - 120     | 73 - 127        |                            |
| Chloromethane               | 10.0        | 9.043       |                | ug/L | 90   | 35 - 159     | 14 - 180        |                            |
| Dibromochloromethane        | 10.0        | 10.00       |                | ug/L | 100  | 63 - 151     | 48 - 166        |                            |
| Dibromomethane              | 10.0        | 10.23       |                | ug/L | 102  | 80 - 121     | 73 - 128        |                            |
| Dichlorodifluoromethane     | 10.0        | 5.611       | *- me          | ug/L | 56   | 59 - 139     | 46 - 152        | ME                         |
| Ethylbenzene                | 10.0        | 9.774       |                | ug/L | 98   | 80 - 120     | 73 - 127        |                            |
| Isopropylbenzene            | 10.0        | 9.724       |                | ug/L | 97   | 80 - 124     | 73 - 131        |                            |
| Methylene Chloride          | 10.0        | 9.315       |                | ug/L | 93   | 70 - 120     | 62 - 128        |                            |
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 9.429       |                | ug/L | 94   | 72 - 120     | 64 - 128        |                            |
| Naphthalene                 | 10.0        | 9.441       |                | ug/L | 94   | 75 - 120     | 68 - 128        |                            |
| n-Butylbenzene              | 10.0        | 10.08       |                | ug/L | 101  | 76 - 124     | 68 - 132        |                            |
| N-Propylbenzene             | 10.0        | 9.963       |                | ug/L | 100  | 80 - 122     | 73 - 129        |                            |
| o-Xylene                    | 10.0        | 9.671       |                | ug/L | 97   | 80 - 122     | 73 - 129        |                            |
| m,p-Xylene                  | 20.0        | 19.64       |                | ug/L | 98   | 80 - 122     | 73 - 129        |                            |
| p-Isopropyltoluene          | 10.0        | 9.795       |                | ug/L | 98   | 77 - 127     | 69 - 135        |                            |
| sec-Butylbenzene            | 10.0        | 9.593       |                | ug/L | 96   | 75 - 123     | 67 - 131        |                            |
| Styrene                     | 10.0        | 9.791       |                | ug/L | 98   | 80 - 121     | 73 - 128        |                            |
| trans-1,2-Dichloroethene    | 10.0        | 9.131       |                | ug/L | 91   | 67 - 123     | 58 - 132        |                            |
| trans-1,3-Dichloropropene   | 10.0        | 10.10       |                | ug/L | 101  | 78 - 140     | 68 - 150        |                            |
| tert-Butylbenzene           | 10.0        | 9.465       |                | ug/L | 95   | 72 - 128     | 63 - 137        |                            |
| Tetrachloroethene           | 10.0        | 9.969       |                | ug/L | 100  | 80 - 128     | 72 - 136        |                            |
| Toluene                     | 10.0        | 9.996       |                | ug/L | 100  | 80 - 120     | 73 - 127        |                            |
| Trichloroethene             | 10.0        | 9.765       |                | ug/L | 98   | 80 - 123     | 73 - 130        |                            |
| Trichlorofluoromethane      | 10.0        | 8.134       |                | ug/L | 81   | 64 - 168     | 47 - 185        |                            |
| Vinyl acetate               | 10.0        | 11.79       |                | ug/L | 118  | 75 - 144     | 64 - 156        |                            |
| Vinyl chloride              | 10.0        | 7.480       |                | ug/L | 75   | 74 - 130     | 65 - 139        |                            |

### Summary

| Number of Analytes Reported | Number of Marginal Exceedances Allowed | Number of Marginal Exceedances Found |
|-----------------------------|----------------------------------------|--------------------------------------|
| 66                          | 3                                      | 1                                    |

Eurofins Calscience LLC

Marginal Exceedance (ME) Summary

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

ME = Marginal Exceedance

|    |
|----|
| 1  |
| 2  |
| 3  |
| 4  |
| 5  |
| 6  |
| 7  |
| 8  |
| 9  |
| 10 |
| 11 |
| 12 |
| 13 |
| 14 |
| 15 |
| 16 |

# QC Association Summary

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## GC/MS VOA

### Analysis Batch: 171238

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 570-66280-1        | TB-080321              | Total/NA  | Water  | 8260B  |            |
| 570-66280-3        | HEW-04                 | Total/NA  | Water  | 8260B  |            |
| 570-66280-4        | UAX-03                 | Total/NA  | Water  | 8260B  |            |
| 570-66280-6        | S-21                   | Total/NA  | Water  | 8260B  |            |
| 570-66280-7        | UA-15D                 | Total/NA  | Water  | 8260B  |            |
| 570-66280-8        | S-24                   | Total/NA  | Water  | 8260B  |            |
| 570-66280-9        | RB-080421A             | Total/NA  | Water  | 8260B  |            |
| 570-66280-10       | LAX-01                 | Total/NA  | Water  | 8260B  |            |
| 570-66280-11       | UA-16D                 | Total/NA  | Water  | 8260B  |            |
| 570-66280-12       | UA-17D                 | Total/NA  | Water  | 8260B  |            |
| 570-66280-13       | HEW-05                 | Total/NA  | Water  | 8260B  |            |
| 570-66280-15       | LAX-03                 | Total/NA  | Water  | 8260B  |            |
| 570-66280-16       | UAX-02                 | Total/NA  | Water  | 8260B  |            |
| 570-66280-17       | S-14                   | Total/NA  | Water  | 8260B  |            |
| 570-66280-18       | LAX-02                 | Total/NA  | Water  | 8260B  |            |
| MB 570-171238/5    | Method Blank           | Total/NA  | Water  | 8260B  |            |
| LCS 570-171238/28  | Lab Control Sample     | Total/NA  | Water  | 8260B  |            |
| LCSD 570-171238/29 | Lab Control Sample Dup | Total/NA  | Water  | 8260B  |            |
| 570-66280-3 MS     | HEW-04                 | Total/NA  | Water  | 8260B  |            |
| 570-66280-3 MSD    | HEW-04                 | Total/NA  | Water  | 8260B  |            |

### Analysis Batch: 171501

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 570-66280-19      | UA-06                  | Total/NA  | Water  | 8260B  |            |
| 570-66280-20      | S-26                   | Total/NA  | Water  | 8260B  |            |
| 570-66280-21      | UA-06D                 | Total/NA  | Water  | 8260B  |            |
| 570-66280-22      | UA-07D                 | Total/NA  | Water  | 8260B  |            |
| 570-66280-23      | UA-07                  | Total/NA  | Water  | 8260B  |            |
| 570-66280-24      | RB-080421B             | Total/NA  | Water  | 8260B  |            |
| 570-66280-25      | TB-080421              | Total/NA  | Water  | 8260B  |            |
| 570-66280-26      | S-03                   | Total/NA  | Water  | 8260B  |            |
| 570-66280-27      | UA-04D                 | Total/NA  | Water  | 8260B  |            |
| 570-66280-28      | UAX-01                 | Total/NA  | Water  | 8260B  |            |
| 570-66280-29      | S-04                   | Total/NA  | Water  | 8260B  |            |
| 570-66280-30      | S-18                   | Total/NA  | Water  | 8260B  |            |
| 570-66280-31      | S-05                   | Total/NA  | Water  | 8260B  |            |
| 570-66280-32      | HEW-01                 | Total/NA  | Water  | 8260B  |            |
| 570-66280-33      | S-27                   | Total/NA  | Water  | 8260B  |            |
| 570-66280-34      | UA-13D                 | Total/NA  | Water  | 8260B  |            |
| MB 570-171501/6   | Method Blank           | Total/NA  | Water  | 8260B  |            |
| LCS 570-171501/3  | Lab Control Sample     | Total/NA  | Water  | 8260B  |            |
| LCSD 570-171501/4 | Lab Control Sample Dup | Total/NA  | Water  | 8260B  |            |
| 570-66280-20 MS   | S-26                   | Total/NA  | Water  | 8260B  |            |
| 570-66280-20 MSD  | S-26                   | Total/NA  | Water  | 8260B  |            |

### Analysis Batch: 171896

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------|-----------|--------|--------|------------|
| 570-66280-2     | HEW-02           | Total/NA  | Water  | 8260B  |            |
| 570-66280-5     | UAX-0300         | Total/NA  | Water  | 8260B  |            |
| 570-66280-14    | HEW-0500         | Total/NA  | Water  | 8260B  |            |
| MB 570-171896/6 | Method Blank     | Total/NA  | Water  | 8260B  |            |

Eurofins Calscience LLC

# QC Association Summary

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

## GC/MS VOA (Continued)

### Analysis Batch: 171896 (Continued)

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| LCS 570-171896/3  | Lab Control Sample     | Total/NA  | Water  | 8260B  |            |
| LCSD 570-171896/4 | Lab Control Sample Dup | Total/NA  | Water  | 8260B  |            |

### Analysis Batch: 172242

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 570-66280-2 - RA  | HEW-02                 | Total/NA  | Water  | 8260B  |            |
| 570-66280-5 - RA  | UAX-0300               | Total/NA  | Water  | 8260B  |            |
| 570-66280-14 - RA | HEW-0500               | Total/NA  | Water  | 8260B  |            |
| MB 570-172242/6   | Method Blank           | Total/NA  | Water  | 8260B  |            |
| LCS 570-172242/3  | Lab Control Sample     | Total/NA  | Water  | 8260B  |            |
| LCSD 570-172242/4 | Lab Control Sample Dup | Total/NA  | Water  | 8260B  |            |

## GC/MS Semi VOA

### Prep Batch: 169645

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 570-66280-2         | HEW-02                 | Total/NA  | Water  | 3510C  |            |
| 570-66280-3         | HEW-04                 | Total/NA  | Water  | 3510C  |            |
| 570-66280-4         | UAX-03                 | Total/NA  | Water  | 3510C  |            |
| 570-66280-5         | UAX-0300               | Total/NA  | Water  | 3510C  |            |
| 570-66280-10        | LAX-01                 | Total/NA  | Water  | 3510C  |            |
| 570-66280-13        | HEW-05                 | Total/NA  | Water  | 3510C  |            |
| 570-66280-14        | HEW-0500               | Total/NA  | Water  | 3510C  |            |
| 570-66280-15        | LAX-03                 | Total/NA  | Water  | 3510C  |            |
| 570-66280-16        | UAX-02                 | Total/NA  | Water  | 3510C  |            |
| 570-66280-18        | LAX-02                 | Total/NA  | Water  | 3510C  |            |
| 570-66280-28        | UAX-01                 | Total/NA  | Water  | 3510C  |            |
| 570-66280-32        | HEW-01                 | Total/NA  | Water  | 3510C  |            |
| MB 570-169645/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |
| LCS 570-169645/2-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 570-169645/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |
| 570-66280-3 MS      | HEW-04                 | Total/NA  | Water  | 3510C  |            |
| 570-66280-3 MSD     | HEW-04                 | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 170629

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method       | Prep Batch |
|---------------------|------------------------|-----------|--------|--------------|------------|
| 570-66280-2         | HEW-02                 | Total/NA  | Water  | 8270C SIM ID | 169645     |
| 570-66280-3         | HEW-04                 | Total/NA  | Water  | 8270C SIM ID | 169645     |
| 570-66280-4         | UAX-03                 | Total/NA  | Water  | 8270C SIM ID | 169645     |
| MB 570-169645/1-A   | Method Blank           | Total/NA  | Water  | 8270C SIM ID | 169645     |
| LCS 570-169645/2-A  | Lab Control Sample     | Total/NA  | Water  | 8270C SIM ID | 169645     |
| LCSD 570-169645/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8270C SIM ID | 169645     |
| 570-66280-3 MS      | HEW-04                 | Total/NA  | Water  | 8270C SIM ID | 169645     |
| 570-66280-3 MSD     | HEW-04                 | Total/NA  | Water  | 8270C SIM ID | 169645     |

### Analysis Batch: 170912

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 570-66280-5   | UAX-0300         | Total/NA  | Water  | 8270C SIM ID | 169645     |
| 570-66280-10  | LAX-01           | Total/NA  | Water  | 8270C SIM ID | 169645     |
| 570-66280-13  | HEW-05           | Total/NA  | Water  | 8270C SIM ID | 169645     |
| 570-66280-14  | HEW-0500         | Total/NA  | Water  | 8270C SIM ID | 169645     |

Eurofins Calscience LLC

## QC Association Summary

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

### GC/MS Semi VOA (Continued)

#### Analysis Batch: 170912 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 570-66280-15  | LAX-03           | Total/NA  | Water  | 8270C SIM ID | 169645     |
| 570-66280-16  | UAX-02           | Total/NA  | Water  | 8270C SIM ID | 169645     |
| 570-66280-18  | LAX-02           | Total/NA  | Water  | 8270C SIM ID | 169645     |
| 570-66280-28  | UAX-01           | Total/NA  | Water  | 8270C SIM ID | 169645     |
| 570-66280-32  | HEW-01           | Total/NA  | Water  | 8270C SIM ID | 169645     |

# Lab Chronicle

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

**Client Sample ID: TB-080321**

**Lab Sample ID: 570-66280-1**

**Date Collected: 08/03/21 08:00**

**Matrix: Water**

**Date Received: 08/04/21 16:42**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171238       | 08/13/21 23:26       | URJ6    | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: HEW-02**

**Lab Sample ID: 570-66280-2**

**Date Collected: 08/03/21 08:10**

**Matrix: Water**

**Date Received: 08/04/21 16:42**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171896       | 08/17/21 17:19       | P3GT    | ECL 2 |
| Instrument ID: GCMSVV  |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Analysis   | 8260B        | RA  | 1          | 20 mL          | 20 mL        | 172242       | 08/18/21 15:14       | UJHB    | ECL 2 |
| Instrument ID: GCMSVV  |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 169645       | 08/07/21 09:42       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 170629       | 08/12/21 11:27       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: HEW-04**

**Lab Sample ID: 570-66280-3**

**Date Collected: 08/04/21 08:25**

**Matrix: Water**

**Date Received: 08/04/21 16:42**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 4          | 20 mL          | 20 mL        | 171238       | 08/14/21 00:12       | URJ6    | ECL 2 |
| Instrument ID: GCMSVV  |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 169645       | 08/07/21 09:42       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 170629       | 08/12/21 11:13       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UAX-03**

**Lab Sample ID: 570-66280-4**

**Date Collected: 08/04/21 08:45**

**Matrix: Water**

**Date Received: 08/04/21 16:42**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171238       | 08/14/21 01:03       | URJ6    | ECL 2 |
| Instrument ID: GCMSVV  |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 169645       | 08/07/21 09:42       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 170629       | 08/12/21 13:54       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UAX-0300**

**Lab Sample ID: 570-66280-5**

**Date Collected: 08/04/21 09:50**

**Matrix: Water**

**Date Received: 08/04/21 16:42**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171896       | 08/17/21 17:44       | P3GT    | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

Eurofins Calscience LLC



# Lab Chronicle

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

**Client Sample ID: UAX-0300**

**Lab Sample ID: 570-66280-5**

**Date Collected: 08/04/21 09:50**

**Matrix: Water**

**Date Received: 08/04/21 16:42**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        | RA  | 1          | 20 mL          | 20 mL        | 172242       | 08/18/21 15:40       | UJHB    | ECL 2 |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 169645       | 08/07/21 09:42       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 170912       | 08/12/21 17:07       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: S-21**

**Lab Sample ID: 570-66280-6**

**Date Collected: 08/04/21 09:00**

**Matrix: Water**

**Date Received: 08/04/21 16:42**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171238       | 08/14/21 01:54       | URJ6    | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UA-15D**

**Lab Sample ID: 570-66280-7**

**Date Collected: 08/04/21 09:10**

**Matrix: Water**

**Date Received: 08/04/21 16:42**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171238       | 08/14/21 02:20       | URJ6    | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: S-24**

**Lab Sample ID: 570-66280-8**

**Date Collected: 08/04/21 09:20**

**Matrix: Water**

**Date Received: 08/04/21 16:42**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171238       | 08/14/21 02:45       | URJ6    | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: RB-080421A**

**Lab Sample ID: 570-66280-9**

**Date Collected: 08/04/21 09:50**

**Matrix: Water**

**Date Received: 08/04/21 16:42**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171238       | 08/14/21 03:11       | URJ6    | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: LAX-01**

**Lab Sample ID: 570-66280-10**

**Date Collected: 08/04/21 10:10**

**Matrix: Water**

**Date Received: 08/04/21 16:42**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171238       | 08/14/21 03:37       | URJ6    | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

Eurofins Calscience LLC

# Lab Chronicle

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

**Client Sample ID: LAX-01**

**Date Collected: 08/04/21 10:10**

**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-10**

**Matrix: Water**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 169645       | 08/07/21 09:42       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 170912       | 08/12/21 17:22       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UA-16D**

**Date Collected: 08/04/21 13:20**

**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-11**

**Matrix: Water**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171238       | 08/14/21 04:02       | URJ6    | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UA-17D**

**Date Collected: 08/04/21 13:30**

**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-12**

**Matrix: Water**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171238       | 08/14/21 04:28       | URJ6    | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: HEW-05**

**Date Collected: 08/03/21 08:30**

**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-13**

**Matrix: Water**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 2          | 20 mL          | 20 mL        | 171238       | 08/14/21 04:53       | URJ6    | ECL 2 |
| Instrument ID: GCMSVV  |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 169645       | 08/07/21 09:42       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 170912       | 08/12/21 17:36       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: HEW-0500**

**Date Collected: 08/03/21 08:35**

**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-14**

**Matrix: Water**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 2          | 20 mL          | 20 mL        | 171896       | 08/17/21 18:10       | P3GT    | ECL 2 |
| Instrument ID: GCMSVV  |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Analysis   | 8260B        | RA  | 2          | 20 mL          | 20 mL        | 172242       | 08/18/21 16:05       | UJHB    | ECL 2 |
| Instrument ID: GCMSVV  |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 169645       | 08/07/21 09:42       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 170912       | 08/12/21 17:51       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

Eurofins Calscience LLC

# Lab Chronicle

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

**Client Sample ID: LAX-03**

**Date Collected: 08/04/21 08:40**

**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-15**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method           | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA  | Analysis   | 8260B                  |     | 1          | 20 mL          | 20 mL        | 171238       | 08/14/21 05:45       | URJ6    | ECL 2 |
|           |            | Instrument ID: GCMSVV  |     |            |                |              |              |                      |         |       |
| Total/NA  | Prep       | 3510C                  |     |            | 100.0 mL       | 10 mL        | 169645       | 08/07/21 09:42       | PQS1    | ECL 1 |
| Total/NA  | Analysis   | 8270C SIM ID           |     | 1          |                |              | 170912       | 08/12/21 18:06       | AJ2Q    | ECL 1 |
|           |            | Instrument ID: GCMSDDD |     |            |                |              |              |                      |         |       |

**Client Sample ID: UAX-02**

**Date Collected: 08/04/21 08:55**

**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-16**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method           | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA  | Analysis   | 8260B                  |     | 1          | 20 mL          | 20 mL        | 171238       | 08/14/21 06:10       | URJ6    | ECL 2 |
|           |            | Instrument ID: GCMSVV  |     |            |                |              |              |                      |         |       |
| Total/NA  | Prep       | 3510C                  |     |            | 100.0 mL       | 10 mL        | 169645       | 08/07/21 09:42       | PQS1    | ECL 1 |
| Total/NA  | Analysis   | 8270C SIM ID           |     | 1          |                |              | 170912       | 08/12/21 18:20       | AJ2Q    | ECL 1 |
|           |            | Instrument ID: GCMSDDD |     |            |                |              |              |                      |         |       |

**Client Sample ID: S-14**

**Date Collected: 08/04/21 08:50**

**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-17**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method          | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------|------------|-----------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA  | Analysis   | 8260B                 |     | 1          | 20 mL          | 20 mL        | 171238       | 08/14/21 06:36       | URJ6    | ECL 2 |
|           |            | Instrument ID: GCMSVV |     |            |                |              |              |                      |         |       |

**Client Sample ID: LAX-02**

**Date Collected: 08/04/21 09:25**

**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-18**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method           | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA  | Analysis   | 8260B                  |     | 1          | 20 mL          | 20 mL        | 171238       | 08/14/21 07:01       | URJ6    | ECL 2 |
|           |            | Instrument ID: GCMSVV  |     |            |                |              |              |                      |         |       |
| Total/NA  | Prep       | 3510C                  |     |            | 100.0 mL       | 10 mL        | 169645       | 08/07/21 09:42       | PQS1    | ECL 1 |
| Total/NA  | Analysis   | 8270C SIM ID           |     | 1          |                |              | 170912       | 08/12/21 18:35       | AJ2Q    | ECL 1 |
|           |            | Instrument ID: GCMSDDD |     |            |                |              |              |                      |         |       |

**Client Sample ID: UA-06**

**Date Collected: 08/04/21 10:15**

**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-19**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method         | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------|------------|----------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA  | Analysis   | 8260B                |     | 1          | 20 mL          | 20 mL        | 171501       | 08/16/21 12:16       | UJHB    | ECL 2 |
|           |            | Instrument ID: GCMSL |     |            |                |              |              |                      |         |       |

Eurofins Calscience LLC

# Lab Chronicle

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

**Client Sample ID: S-26**

**Date Collected: 08/04/21 09:50**

**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-20**

**Matrix: Water**

| Prep Type            | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA             | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171501       | 08/16/21 11:48       | UJHB    | ECL 2 |
| Instrument ID: GCMSL |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UA-06D**

**Date Collected: 08/04/21 10:05**

**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-21**

**Matrix: Water**

| Prep Type            | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA             | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171501       | 08/16/21 12:43       | UJHB    | ECL 2 |
| Instrument ID: GCMSL |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UA-07D**

**Date Collected: 08/04/21 11:50**

**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-22**

**Matrix: Water**

| Prep Type            | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA             | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171501       | 08/16/21 13:10       | UJHB    | ECL 2 |
| Instrument ID: GCMSL |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UA-07**

**Date Collected: 08/04/21 12:00**

**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-23**

**Matrix: Water**

| Prep Type            | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA             | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171501       | 08/16/21 13:37       | UJHB    | ECL 2 |
| Instrument ID: GCMSL |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: RB-080421B**

**Date Collected: 08/04/21 12:05**

**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-24**

**Matrix: Water**

| Prep Type            | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA             | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171501       | 08/16/21 14:05       | UJHB    | ECL 2 |
| Instrument ID: GCMSL |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: TB-080421**

**Date Collected: 08/04/21 08:00**

**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-25**

**Matrix: Water**

| Prep Type            | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA             | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171501       | 08/16/21 11:21       | UJHB    | ECL 2 |
| Instrument ID: GCMSL |            |              |     |            |                |              |              |                      |         |       |

# Lab Chronicle

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

**Client Sample ID: S-03**

**Lab Sample ID: 570-66280-26**

**Date Collected: 08/04/21 13:05**

**Matrix: Water**

**Date Received: 08/04/21 16:42**

| Prep Type            | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA             | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171501       | 08/16/21 14:32       | UJHB    | ECL 2 |
| Instrument ID: GCMSL |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UA-04D**

**Lab Sample ID: 570-66280-27**

**Date Collected: 08/04/21 13:25**

**Matrix: Water**

**Date Received: 08/04/21 16:42**

| Prep Type            | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA             | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171501       | 08/16/21 14:59       | UJHB    | ECL 2 |
| Instrument ID: GCMSL |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UAX-01**

**Lab Sample ID: 570-66280-28**

**Date Collected: 08/04/21 13:15**

**Matrix: Water**

**Date Received: 08/04/21 16:42**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171501       | 08/16/21 15:27       | UJHB    | ECL 2 |
| Instrument ID: GCMSL   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 169645       | 08/07/21 09:42       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 170912       | 08/12/21 18:50       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: S-04**

**Lab Sample ID: 570-66280-29**

**Date Collected: 08/04/21 13:35**

**Matrix: Water**

**Date Received: 08/04/21 16:42**

| Prep Type            | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA             | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171501       | 08/16/21 15:54       | UJHB    | ECL 2 |
| Instrument ID: GCMSL |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: S-18**

**Lab Sample ID: 570-66280-30**

**Date Collected: 08/04/21 14:05**

**Matrix: Water**

**Date Received: 08/04/21 16:42**

| Prep Type            | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA             | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171501       | 08/16/21 16:21       | UJHB    | ECL 2 |
| Instrument ID: GCMSL |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: S-05**

**Lab Sample ID: 570-66280-31**

**Date Collected: 08/04/21 13:55**

**Matrix: Water**

**Date Received: 08/04/21 16:42**

| Prep Type            | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA             | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171501       | 08/16/21 16:49       | UJHB    | ECL 2 |
| Instrument ID: GCMSL |            |              |     |            |                |              |              |                      |         |       |

Eurofins Calscience LLC

# Lab Chronicle

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

**Client Sample ID: HEW-01**

**Date Collected: 08/04/21 14:10**

**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-32**

**Matrix: Water**

| Prep Type              | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|------------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA               | Analysis   | 8260B        |     | 10         | 20 mL          | 20 mL        | 171501       | 08/16/21 17:16       | UJHB    | ECL 2 |
| Instrument ID: GCMSL   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA               | Prep       | 3510C        |     |            | 100.0 mL       | 10 mL        | 169645       | 08/07/21 09:42       | PQS1    | ECL 1 |
| Total/NA               | Analysis   | 8270C SIM ID |     | 1          |                |              | 170912       | 08/12/21 19:04       | AJ2Q    | ECL 1 |
| Instrument ID: GCMSDDD |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: S-27**

**Date Collected: 08/04/21 14:30**

**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-33**

**Matrix: Water**

| Prep Type            | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA             | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171501       | 08/16/21 17:43       | UJHB    | ECL 2 |
| Instrument ID: GCMSL |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UA-13D**

**Date Collected: 08/04/21 14:00**

**Date Received: 08/04/21 16:42**

**Lab Sample ID: 570-66280-34**

**Matrix: Water**

| Prep Type            | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA             | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171501       | 08/16/21 18:11       | UJHB    | ECL 2 |
| Instrument ID: GCMSL |            |              |     |            |                |              |              |                      |         |       |

## Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

Laboratory: Eurofins Calscience LLC

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Oregon    | NELAP   | CA300001              | 01-30-22        |

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## Method Summary

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

| Method       | Method Description                                            | Protocol | Laboratory |
|--------------|---------------------------------------------------------------|----------|------------|
| 8260B        | Volatile Organic Compounds (GC/MS)                            | SW846    | ECL 2      |
| 8270C SIM ID | Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) | SW846    | ECL 1      |
| 3510C        | Liquid-Liquid Extraction (Separatory Funnel)                  | SW846    | ECL 1      |
| 5030C        | Purge and Trap                                                | SW846    | ECL 2      |

### Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494



# Sample Summary

Client: Hargis + Associates, Inc.  
Project/Site: Building 684 – Raytheon / 764.10

Job ID: 570-66280-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 570-66280-1   | TB-080321        | Water  | 08/03/21 08:00 | 08/04/21 16:42 |
| 570-66280-2   | HEW-02           | Water  | 08/03/21 08:10 | 08/04/21 16:42 |
| 570-66280-3   | HEW-04           | Water  | 08/04/21 08:25 | 08/04/21 16:42 |
| 570-66280-4   | UAX-03           | Water  | 08/04/21 08:45 | 08/04/21 16:42 |
| 570-66280-5   | UAX-0300         | Water  | 08/04/21 09:50 | 08/04/21 16:42 |
| 570-66280-6   | S-21             | Water  | 08/04/21 09:00 | 08/04/21 16:42 |
| 570-66280-7   | UA-15D           | Water  | 08/04/21 09:10 | 08/04/21 16:42 |
| 570-66280-8   | S-24             | Water  | 08/04/21 09:20 | 08/04/21 16:42 |
| 570-66280-9   | RB-080421A       | Water  | 08/04/21 09:50 | 08/04/21 16:42 |
| 570-66280-10  | LAX-01           | Water  | 08/04/21 10:10 | 08/04/21 16:42 |
| 570-66280-11  | UA-16D           | Water  | 08/04/21 13:20 | 08/04/21 16:42 |
| 570-66280-12  | UA-17D           | Water  | 08/04/21 13:30 | 08/04/21 16:42 |
| 570-66280-13  | HEW-05           | Water  | 08/03/21 08:30 | 08/04/21 16:42 |
| 570-66280-14  | HEW-0500         | Water  | 08/03/21 08:35 | 08/04/21 16:42 |
| 570-66280-15  | LAX-03           | Water  | 08/04/21 08:40 | 08/04/21 16:42 |
| 570-66280-16  | UAX-02           | Water  | 08/04/21 08:55 | 08/04/21 16:42 |
| 570-66280-17  | S-14             | Water  | 08/04/21 08:50 | 08/04/21 16:42 |
| 570-66280-18  | LAX-02           | Water  | 08/04/21 09:25 | 08/04/21 16:42 |
| 570-66280-19  | UA-06            | Water  | 08/04/21 10:15 | 08/04/21 16:42 |
| 570-66280-20  | S-26             | Water  | 08/04/21 09:50 | 08/04/21 16:42 |
| 570-66280-21  | UA-06D           | Water  | 08/04/21 10:05 | 08/04/21 16:42 |
| 570-66280-22  | UA-07D           | Water  | 08/04/21 11:50 | 08/04/21 16:42 |
| 570-66280-23  | UA-07            | Water  | 08/04/21 12:00 | 08/04/21 16:42 |
| 570-66280-24  | RB-080421B       | Water  | 08/04/21 12:05 | 08/04/21 16:42 |
| 570-66280-25  | TB-080421        | Water  | 08/04/21 08:00 | 08/04/21 16:42 |
| 570-66280-26  | S-03             | Water  | 08/04/21 13:05 | 08/04/21 16:42 |
| 570-66280-27  | UA-04D           | Water  | 08/04/21 13:25 | 08/04/21 16:42 |
| 570-66280-28  | UAX-01           | Water  | 08/04/21 13:15 | 08/04/21 16:42 |
| 570-66280-29  | S-04             | Water  | 08/04/21 13:35 | 08/04/21 16:42 |
| 570-66280-30  | S-18             | Water  | 08/04/21 14:05 | 08/04/21 16:42 |
| 570-66280-31  | S-05             | Water  | 08/04/21 13:55 | 08/04/21 16:42 |
| 570-66280-32  | HEW-01           | Water  | 08/04/21 14:10 | 08/04/21 16:42 |
| 570-66280-33  | S-27             | Water  | 08/04/21 14:30 | 08/04/21 16:42 |
| 570-66280-34  | UA-13D           | Water  | 08/04/21 14:00 | 08/04/21 16:42 |

**Christine, Mark B.**

---

**From:** Andrew Donnelly <ADONNELLY@HARGIS.COM>  
**Sent:** Thursday, August 5, 2021 4:26 PM  
**To:** Christine, Mark B.  
**Cc:** DJ Sealee; Ryne Adams  
**Subject:** RE: Eurofins Calscience sample confirmation files from 570-66280-1 Raytheon Full Scale/Bldg 684 (Fullerton)  
**Attachments:** SampleLoginAck\_570-66280-1 Std\_Tal\_Login\_Ack\_Hargisrev.pdf

EXTERNAL EMAIL\*

Hi Mark,

The log is good. However, I would like to request revisions to sample names for 3 of the samples on this log.

| Lab ID       | Original Client Sample ID | Revised Client Sample ID |
|--------------|---------------------------|--------------------------|
| 570-66280-1  | TB-08032021               | TB-080321                |
| 570-66280-9  | RB-08042021               | RB-080421A               |
| 570-66280-24 | RB-080421                 | RB-080421B               |

Let me know if there are any issues with these requested ID revisions.

Thank you,

Andrew Donnelly  
Cell: 951.553.0689



---

**From:** Mark Christine <Mark.Christine@Eurofinset.com>  
**Sent:** Thursday, August 05, 2021 3:06 PM  
**To:** Andrew Donnelly <ADONNELLY@HARGIS.COM>; Amanda Janzon <AJanzon@HARGIS.COM>; DJ Sealee <DSealee@HARGIS.CO>; Julie Kelly <JKelly@HARGIS.COM>; Monica Morales <MMorales@Hargis.com>; Ross Horton <RHorton@HARGIS.COM>; Ruben Sanchez <RSanchez@HARGIS.COM>; Steve Netto <SNETTO@HARGIS.COM>  
**Subject:** Eurofins Calscience sample confirmation files from 570-66280-1 Raytheon Full Scale/Bldg 684 (Fullerton)

**CAUTION:** This email originated from outside your organization. Do not click links, open attachments or follow instructions unless you have verified the sender and know the content is genuine and safe.

Hello,

Attached please find the sample confirmation files for job 570-66280-1; Raytheon Full Scale/Bldg 684 (Fullerton)

Please feel free to contact me or your PM Virendra Patel if you have any questions.

Thank you.

**Mark B Christine**  
Project Manager Assistant

Eurofins Calscience LLC

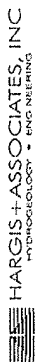
E-mail: [Mark.Christine@Eurofinset.com](mailto:Mark.Christine@Eurofinset.com)  
[www.eurofinsus.com/env](http://www.eurofinsus.com/env)



Reference: [570-228340]  
Attachments: 2

> > Bank information has changed, please refer to remittance information on invoice. < <

\* WARNING - EXTERNAL: This email originated from outside of Eurofins Environment Testing America. Do not click any links or open any attachments unless you trust the sender and know that the content is safe!



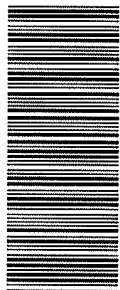
PROJECT Building 684 - Raytheon  
TASK NO 764 10

Project Manager Steve Netto

QA Manager Andrew Donnelly

Phone 858-455-6500

570-66280 Chain of Custody



Date 08.03.21  
Page 1 of 4

| Project<br>BCI Fullerton<br>764 10      | Sampled By<br>DJ SEALEE<br>R. ADAMS | SAMPLE COLLECTION |      | LAB ID | SAMPLE ID | Groundwater | Lab prepared water | Hydrochloric Acid (HCl) | Ice | CONTAINERS         | ANALYSIS REQUESTED | ESTIMATED CONCENTRATION | SPECIAL HANDLING | REMARKS |
|-----------------------------------------|-------------------------------------|-------------------|------|--------|-----------|-------------|--------------------|-------------------------|-----|--------------------|--------------------|-------------------------|------------------|---------|
|                                         |                                     | Date              | Time |        |           |             |                    |                         |     |                    |                    |                         |                  |         |
| 1                                       | TB-08032021                         | 0803-21           | 0800 |        |           | X           |                    | X                       | X   | 500 mL Amber 25291 | VOCs by EPA 8260B  | 1,4-Dioxane by 8270 MOD | Standard TAT     |         |
| 2                                       | HEW-02                              | 0803-21           | 0810 |        |           | X           |                    | X                       | X   | 1                  | X                  |                         |                  |         |
| 3                                       | HEW-04                              | 0804-21           | 0825 |        |           | X           |                    | X                       | X   | 3                  | X                  |                         |                  |         |
| 4                                       | VAX-03                              | 0804-21           | 0845 |        |           | X           |                    | X                       | X   | 1                  | X                  |                         |                  |         |
| 5                                       | VAX-0300                            | 0804-21           | 0950 |        |           | X           |                    | X                       | X   | 1                  | X                  |                         |                  |         |
| 6                                       | S-21                                | 0900              | 0900 |        |           | X           |                    | X                       | X   | 3                  | X                  |                         |                  |         |
| 7                                       | VA-15D                              | 0910              | 0910 |        |           | X           |                    | X                       | X   | 3                  | X                  |                         |                  |         |
| 8                                       | S-24                                | 0920              | 0920 |        |           | X           |                    | X                       | X   | 3                  | X                  |                         |                  |         |
| 9                                       | RB-08042021                         | 0950              | 0950 |        |           | X           |                    | X                       | X   | 3                  | X                  |                         |                  |         |
| 10                                      | LAX-01                              | 1010              | 1010 |        |           | X           |                    | X                       | X   | 3                  | X                  |                         |                  |         |
| 11                                      | VA-16D                              | 1320              | 1320 |        |           | X           |                    | X                       | X   | 1                  | X                  |                         |                  |         |
| 12                                      | VA-17D                              | 1330              | 1330 |        |           | X           |                    | X                       | X   | 3                  | X                  |                         |                  |         |
| Total number of containers per analysis |                                     |                   |      |        |           |             |                    |                         |     |                    |                    |                         |                  |         |

Comments Report "J" Flags

Geotracker ID T0605900143, Log Code HARG

Field Point ID = QCTB for Trip Blanks ("TB-"), QCRB for Equipment Rinsate Blanks (RB-), all other samples Field Point ID = Sample ID

| Relinquished By / Company         | Date / Time | Received By / Company | Date / Time |
|-----------------------------------|-------------|-----------------------|-------------|
| Steve Netto / Hargis & Associates | 8/4/21      | Steve Netto / BCI     | 8-4-2021    |
| Steve Netto / Hargis & Associates | 8-4-2021    | Steve Netto / BCI     | 16:00       |
| Steve Netto / Hargis & Associates | 8-4-2021    | Steve Netto / BCI     | 8/4/21      |

No of containers correct  
Received in good condition  
Custody seals secure  
Conforms to COC document

Send Results to  
Steve Netto

9171 Towne Centre Dr  
Suite 375

San Diego, CA 92122  
Ph 858-455-6500

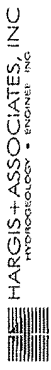
snetto@hargis.com

Temperature on receipt

4.9 / 4.5 5.0 / 4.6 SC6

66280

Date 8/4/21  
Page 2 of 4



PROJECT Building 684 - Raytheon  
TASK NO 764 10

Project Manager Steve Netto  
QA Manager Andrew Donnelly  
Phone 858-455-6500

| Project                                 | LAB ID | Sampled By | SAMPLE COLLECTION |      | MATRIX             | PRESERVATION            | CONTAINERS | ANALYSIS REQUESTED | ESTIMATED CONCENTRATION | SPECIAL HANDLING | REMARKS |
|-----------------------------------------|--------|------------|-------------------|------|--------------------|-------------------------|------------|--------------------|-------------------------|------------------|---------|
|                                         |        |            | Date              | Time |                    |                         |            |                    |                         |                  |         |
| BCI Fullerton<br>764 10                 | 13     | A. JANG    | 08/03/21          | 0830 | Groundwater        |                         |            |                    |                         |                  |         |
|                                         | 14     | A. JANG    | 08/03/21          | 0835 | Lab prepared water | Hydrochloric Acid (HCl) | 40-ml VOA  | 500 mL Amber       | 250-ml Amber            |                  |         |
|                                         | 15     | A. JANG    | 08/04/21          | 0840 | Groundwater        |                         |            |                    |                         |                  |         |
|                                         | 16     | A. JANG    | 08/04/21          | 0855 | Groundwater        |                         |            |                    |                         |                  |         |
|                                         | 17     | A. JANG    | 08/04/21          | 0950 | Groundwater        |                         |            |                    |                         |                  |         |
|                                         | 18     | A. JANG    | 08/04/21          | 0925 | Groundwater        |                         |            |                    |                         |                  |         |
|                                         | 19     | A. JANG    | 08/04/21          | 1015 | Groundwater        |                         |            |                    |                         |                  |         |
|                                         | 20     | A. JANG    | 08/04/21          | 0950 | Groundwater        |                         |            |                    |                         |                  |         |
|                                         | 21     | A. JANG    | 08/04/21          | 1005 | Groundwater        |                         |            |                    |                         |                  |         |
|                                         | 22     | A. JANG    | 08/04/21          | 1150 | Groundwater        |                         |            |                    |                         |                  |         |
|                                         | 23     | A. JANG    | 08/04/21          | 1200 | Groundwater        |                         |            |                    |                         |                  |         |
|                                         | 24     | A. JANG    | 08/04/21          | 1205 | Groundwater        |                         |            |                    |                         |                  |         |
|                                         | 25     | A. JANG    | 08/04/21          | 0800 | Groundwater        |                         |            |                    |                         |                  |         |
| Total number of containers per analysis |        |            |                   |      |                    |                         |            |                    |                         |                  |         |

Comments Report "J" Flags  
Geotracker ID T0605900143, Log Code HARG  
Field Point ID = QCTB for Trip Blanks ("TB-"), QCRB for Equipment Rinsate Blanks (RB-), all other samples Field Point ID = Sample ID

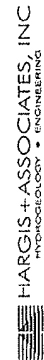
| Relinquished By / Company           | Date / Time     | Received By / Company    | Date / Time     |
|-------------------------------------|-----------------|--------------------------|-----------------|
| <i>Steve Netto</i> / Hargis + Assoc | 08/02/21 1600   | <i>Steve Netto</i> / ECI | 08-4-2021 16:00 |
| <i>Steve Netto</i> / ECI            | 08-4-2021 16:42 | <i>Steve Netto</i> / ECI | 08/4/21 1642    |

No of containers correct ☒  
Received in good condition ☒  
Custody seals secure ☒  
Conforms to COC document ☒

Send Results to  
**Steve Netto**  
9171 Towne Centre Dr  
Suite 375  
San Diego, CA 92122  
Ph 858-455-6500  
snetto@hargis.com

Temperature on receipt \_\_\_\_\_

66280



PROJECT Building 684 - Raytheon  
TASK NO 764 10

Project Manager Steve Netto

QA Manager Andrew Donnelly

Phone 858-455-6500

Date 8/4/21  
Page 3 of 4

| Project                                 |                                                        | SAMPLE COLLECTION |      | LAB ID | SAMPLE ID | Date | Time | Matrix                  | PRESERVATION | CONTAINERS | ANALYSIS REQUESTED | ESTIMATED CONCENTRATION | SPECIAL HANDLING        | REMARKS | Laboratory |        |              |  |  |
|-----------------------------------------|--------------------------------------------------------|-------------------|------|--------|-----------|------|------|-------------------------|--------------|------------|--------------------|-------------------------|-------------------------|---------|------------|--------|--------------|--|--|
| BCI Fullerton<br>764 10                 | Sampled By<br><b>Andrew Donnelly</b><br><b>A. Jang</b> |                   |      |        |           |      |      |                         |              |            |                    |                         |                         |         |            |        |              |  |  |
| 26                                      | S-03                                                   | 08/04/21          | 1305 | X      |           |      |      | Lab prepared water      |              | 40-ml VOA  | 500 mL Amber       | VOCs by EPA 8260B       | 1,4-Dioxane by 8270 MOD | 0-10    | 100-1,000  | >1,000 | Standard TAT |  |  |
| 27                                      | UA-04D                                                 |                   | 1325 | X      |           |      |      | Hydrochloric Acid (HCl) |              | X          |                    |                         |                         | X       |            |        |              |  |  |
| 28                                      | UAX-01                                                 |                   | 1315 | X      |           |      |      |                         |              | X          |                    |                         |                         | X       |            |        |              |  |  |
| 29                                      | S-04                                                   |                   | ↓    | X      |           |      |      |                         |              | X          |                    |                         |                         | X       |            |        |              |  |  |
| 30                                      | S-18                                                   |                   | 1335 | X      |           |      |      |                         |              | X          |                    |                         |                         | X       |            |        |              |  |  |
| 31                                      | S-05                                                   |                   | 1405 | X      |           |      |      |                         |              | X          |                    |                         |                         | X       |            |        |              |  |  |
| 32                                      | HEW-01                                                 |                   | 1355 | X      |           |      |      |                         |              | X          |                    |                         |                         | X       |            |        |              |  |  |
| 33                                      | S-27                                                   |                   | 1410 | X      |           |      |      |                         |              | X          |                    |                         |                         | X       |            |        |              |  |  |
|                                         |                                                        |                   | ↓    | X      |           |      |      |                         |              | X          |                    |                         |                         | X       |            |        |              |  |  |
|                                         |                                                        |                   | 1430 | X      |           |      |      |                         |              | X          |                    |                         |                         | X       |            |        |              |  |  |
| Total number of containers per analysis |                                                        |                   |      |        |           |      |      |                         |              |            |                    |                         |                         |         |            |        |              |  |  |

Comments Report "J" Flags

Geotracker ID T0605900143, Log Code HARG

Field Point ID = QCTB for Trip Blanks ("TB-"), QCRB for Equipment Rinsate Blanks (RB-), all other samples Field Point ID = Sample ID

| Relinquished By / Company             | Date / Time    | Received By / Company | Date / Time    |
|---------------------------------------|----------------|-----------------------|----------------|
| <i>Sam Netto / Hargis &amp; Assoc</i> | 8/4/21 16:02   | <i>ECT</i>            | 8-4-2021 16:02 |
| <i>ECT</i>                            | 8-4-2021 16:42 | <i>ECT</i>            | 8/4/21 16:42   |

No of containers correct  
Received in good condition  
Custody seals secure  
Conforms to COC document

Send Results to  
**Steve Netto**

9171 Towne Centre Dr  
Suite 375

San Diego, CA 92122  
Ph 858-455-6500

snetto@hargis.com

Temperature on receipt





## Login Sample Receipt Checklist

Client: Hargis + Associates, Inc.

Job Number: 570-66280-1

Login Number: 66280

List Number: 1

Creator: Vitente, Precy

List Source: Eurofins Calscience LLC

| Question                                                                                      | Answer | Comment |
|-----------------------------------------------------------------------------------------------|--------|---------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.           | 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 $<6\text{mm}$ ( $1/4''$ ). | True   |         |
| Multiphasic samples are not present.                                                          | True   |         |
| Samples do not require splitting or compositing.                                              | True   |         |
| Residual Chlorine Checked.                                                                    | N/A    |         |



## ANALYTICAL REPORT

Eurofins Calscience LLC  
7440 Lincoln Way  
Garden Grove, CA 92841  
Tel: (714)895-5494

Laboratory Job ID: 570-66367-1

Client Project/Site: Buiding 684 - Raytheon

**For:**

Hargis + Associates, Inc.  
La Jolla Gateway  
9171 Towne Centre Drive  
Suite 375  
San Diego, California 92122

Attn: Steve Netto

*Virendra R Patel*

Authorized for release by:  
8/17/2021 4:26:31 PM

Virendra Patel, Project Manager I  
(714)895-5494

[Virendra.Patel@eurofinset.com](mailto:Virendra.Patel@eurofinset.com)

### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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## Definitions/Glossary

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

### Qualifiers

#### GC/MS VOA

| Qualifier | Qualifier Description                                                                                                                                     |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4         | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| E         | Result exceeded calibration range.                                                                                                                        |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.                                            |

### Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | 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                                                                                       |

# Case Narrative

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

**Job ID: 570-66367-1**

**Laboratory: Eurofins Calscience LLC**

## Narrative

**Job Narrative**  
**570-66367-1**

## Comments

No additional comments.

## Receipt

The samples were received on 8/5/2021 4:36 PM. 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 was 3.1° C.

## GC/MS VOA

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-171756.

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

## VOA Prep

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

# Detection Summary

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Client Sample ID: TB-080521

Lab Sample ID: 570-66367-1

No Detections.

## Client Sample ID: S-07

Lab Sample ID: 570-66367-2

No Detections.

## Client Sample ID: UA-02

Lab Sample ID: 570-66367-3

| Analyte            | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|--------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| 1,1-Dichloroethene | 0.68   |           | 0.50 | 0.39 | ug/L | 1       |   | 8260B  | Total/NA  |
| Trichloroethene    | 3.4    |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |

## Client Sample ID: UA-08D

Lab Sample ID: 570-66367-4

| Analyte           | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| Tetrachloroethene | 0.47   | J         | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |
| Trichloroethene   | 1.1    |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |

## Client Sample ID: UA-08

Lab Sample ID: 570-66367-5

| Analyte           | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| Tetrachloroethene | 0.30   | J         | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |
| Trichloroethene   | 1.9    |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |

## Client Sample ID: RB-080521A

Lab Sample ID: 570-66367-6

No Detections.

## Client Sample ID: SE-04

Lab Sample ID: 570-66367-7

| Analyte                | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 0.77   |           | 0.50 | 0.30 | ug/L | 1       |   | 8260B  | Total/NA  |
| Trichloroethene        | 7.1    |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |

## Client Sample ID: SE-0400

Lab Sample ID: 570-66367-8

| Analyte                | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 0.71   |           | 0.50 | 0.30 | ug/L | 1       |   | 8260B  | Total/NA  |
| Trichloroethene        | 6.7    |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |

## Client Sample ID: S-15

Lab Sample ID: 570-66367-9

| Analyte           | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| Tetrachloroethene | 0.37   | J         | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |
| Trichloroethene   | 1.5    |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |

## Client Sample ID: S-02

Lab Sample ID: 570-66367-10

No Detections.

## Client Sample ID: S-08

Lab Sample ID: 570-66367-11

| Analyte           | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|----|-----|------|---------|---|--------|-----------|
| Tetrachloroethene | 70     |           | 25 | 14  | ug/L | 50      |   | 8260B  | Total/NA  |
| Trichloroethene   | 2000   |           | 25 | 14  | ug/L | 50      |   | 8260B  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

# Detection Summary

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Client Sample ID: SE-01

## Lab Sample ID: 570-66367-12

| Analyte           | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Tetrachloroethene | 770    |           | 100 | 58  | ug/L | 200     |   | 8260B  | Total/NA  |
| Trichloroethene   | 15000  |           | 100 | 58  | ug/L | 200     |   | 8260B  | Total/NA  |

## Client Sample ID: UA-10D

## Lab Sample ID: 570-66367-13

| Analyte           | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| Tetrachloroethene | 10     |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |

## Client Sample ID: RB-080521B

## Lab Sample ID: 570-66367-14

No Detections.

## Client Sample ID: UA-11D

## Lab Sample ID: 570-66367-15

| Analyte           | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| Tetrachloroethene | 1.0    |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |

## Client Sample ID: UA-11

## Lab Sample ID: 570-66367-16

| Analyte           | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| Tetrachloroethene | 4.4    |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |
| Trichloroethene   | 1.1    |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |

## Client Sample ID: S-30

## Lab Sample ID: 570-66367-17

| Analyte                | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| 1,1-Dichloroethene     | 1.4    |           | 0.50 | 0.39 | ug/L | 1       |   | 8260B  | Total/NA  |
| cis-1,2-Dichloroethene | 0.72   |           | 0.50 | 0.30 | ug/L | 1       |   | 8260B  | Total/NA  |
| Trichloroethene        | 0.53   |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |

## Client Sample ID: S-3000

## Lab Sample ID: 570-66367-18

| Analyte                | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| 1,1-Dichloroethene     | 0.62   |           | 0.50 | 0.39 | ug/L | 1       |   | 8260B  | Total/NA  |
| cis-1,2-Dichloroethene | 0.38   | J         | 0.50 | 0.30 | ug/L | 1       |   | 8260B  | Total/NA  |
| Tetrachloroethene      | 1.0    |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |

## Client Sample ID: S-31

## Lab Sample ID: 570-66367-19

No Detections.

## Client Sample ID: S-29

## Lab Sample ID: 570-66367-20

No Detections.

## Client Sample ID: UA-12D

## Lab Sample ID: 570-66367-21

| Analyte           | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| Tetrachloroethene | 0.76   |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |

## Client Sample ID: UA-12

## Lab Sample ID: 570-66367-22

| Analyte           | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| Tetrachloroethene | 0.88   |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |
| Trichloroethene   | 0.36   | J         | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

# Detection Summary

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

**Client Sample ID: UA-14D**

**Lab Sample ID: 570-66367-23**

| Analyte           | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|-------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| Tetrachloroethene | 26     |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |
| Trichloroethene   | 0.49   | J         | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: TB-080521  
Date Collected: 08/05/21 08:00  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-1  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 14:03 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 14:03 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 14:03 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 14:03 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 14:03 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 14:03 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 14:03 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 14:03 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 14:03 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 14:03 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 14:03 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 14:03 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 14:03 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 14:03 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 14:03 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 14:03 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 14:03 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 14:03 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 14:03 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 14:03 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 14:03 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 14:03 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/14/21 14:03 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/14/21 14:03 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/14/21 14:03 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/14/21 14:03 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/14/21 14:03 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/14/21 14:03 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 14:03 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 14:03 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/14/21 14:03 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 14:03 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 14:03 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/14/21 14:03 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 08/14/21 14:03 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 14:03 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/14/21 14:03 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 14:03 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 14:03 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/14/21 14:03 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 14:03 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/14/21 14:03 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 14:03 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 14:03 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 08/14/21 14:03 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/14/21 14:03 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 14:03 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/14/21 14:03 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/14/21 14:03 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: TB-080521  
Date Collected: 08/05/21 08:00  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-1  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 14:03 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 14:03 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 14:03 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 14:03 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 14:03 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 14:03 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 14:03 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 14:03 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 14:03 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 14:03 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 14:03 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 14:03 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 14:03 | 1       |
| Trichloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 14:03 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 14:03 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 14:03 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 14:03 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 68 - 135 |          | 08/14/21 14:03 | 1       |
| 4-Bromofluorobenzene (Surr)  | 94        |           | 71 - 120 |          | 08/14/21 14:03 | 1       |
| Dibromofluoromethane         | 106       |           | 80 - 120 |          | 08/14/21 14:03 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 120 |          | 08/14/21 14:03 | 1       |

Client Sample ID: S-07  
Date Collected: 08/05/21 08:45  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-2  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 17:14 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 17:14 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 17:14 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 17:14 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 17:14 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 17:14 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 17:14 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 17:14 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 17:14 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 17:14 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 17:14 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 17:14 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 17:14 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 17:14 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 17:14 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 17:14 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 17:14 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 17:14 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 17:14 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 17:14 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 17:14 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 17:14 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-07  
Date Collected: 08/05/21 08:45  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-2  
Matrix: Water

| Analyte                      | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| 2-Butanone                   | ND        |           | 5.0      | 3.0  | ug/L |   |          | 08/14/21 17:14 | 1       |
| 2-Chlorotoluene              | ND        |           | 0.50     | 0.31 | ug/L |   |          | 08/14/21 17:14 | 1       |
| 2-Hexanone                   | ND        |           | 6.0      | 4.3  | ug/L |   |          | 08/14/21 17:14 | 1       |
| 4-Chlorotoluene              | ND        |           | 0.50     | 0.34 | ug/L |   |          | 08/14/21 17:14 | 1       |
| 4-Methyl-2-pentanone         | ND        |           | 5.0      | 2.2  | ug/L |   |          | 08/14/21 17:14 | 1       |
| Acetone                      | ND        |           | 8.0      | 4.0  | ug/L |   |          | 08/14/21 17:14 | 1       |
| Benzene                      | ND        |           | 0.50     | 0.27 | ug/L |   |          | 08/14/21 17:14 | 1       |
| Bromobenzene                 | ND        |           | 0.50     | 0.26 | ug/L |   |          | 08/14/21 17:14 | 1       |
| Bromochloromethane           | ND        |           | 1.0      | 0.35 | ug/L |   |          | 08/14/21 17:14 | 1       |
| Bromodichloromethane         | ND        |           | 0.50     | 0.22 | ug/L |   |          | 08/14/21 17:14 | 1       |
| Bromoform                    | ND        |           | 0.50     | 0.39 | ug/L |   |          | 08/14/21 17:14 | 1       |
| Bromomethane                 | ND        |           | 1.0      | 0.93 | ug/L |   |          | 08/14/21 17:14 | 1       |
| cis-1,2-Dichloroethene       | ND        |           | 0.50     | 0.30 | ug/L |   |          | 08/14/21 17:14 | 1       |
| cis-1,3-Dichloropropene      | ND        |           | 0.50     | 0.19 | ug/L |   |          | 08/14/21 17:14 | 1       |
| Carbon disulfide             | ND        |           | 1.0      | 0.24 | ug/L |   |          | 08/14/21 17:14 | 1       |
| Carbon tetrachloride         | ND        |           | 0.50     | 0.27 | ug/L |   |          | 08/14/21 17:14 | 1       |
| Chlorobenzene                | ND        |           | 0.50     | 0.24 | ug/L |   |          | 08/14/21 17:14 | 1       |
| Chloroethane                 | ND        |           | 0.50     | 0.44 | ug/L |   |          | 08/14/21 17:14 | 1       |
| Chloroform                   | ND        |           | 0.50     | 0.28 | ug/L |   |          | 08/14/21 17:14 | 1       |
| Chloromethane                | ND        |           | 1.0      | 0.29 | ug/L |   |          | 08/14/21 17:14 | 1       |
| Dibromochloromethane         | ND        |           | 0.50     | 0.27 | ug/L |   |          | 08/14/21 17:14 | 1       |
| Dibromomethane               | ND        |           | 0.50     | 0.23 | ug/L |   |          | 08/14/21 17:14 | 1       |
| Dichlorodifluoromethane      | ND        |           | 1.0      | 0.68 | ug/L |   |          | 08/14/21 17:14 | 1       |
| Ethylbenzene                 | ND        |           | 0.50     | 0.36 | ug/L |   |          | 08/14/21 17:14 | 1       |
| Isopropylbenzene             | ND        |           | 0.50     | 0.38 | ug/L |   |          | 08/14/21 17:14 | 1       |
| Methylene Chloride           | ND        |           | 1.0      | 0.48 | ug/L |   |          | 08/14/21 17:14 | 1       |
| Methyl-t-Butyl Ether (MTBE)  | ND        |           | 0.50     | 0.21 | ug/L |   |          | 08/14/21 17:14 | 1       |
| Naphthalene                  | ND        |           | 1.0      | 0.32 | ug/L |   |          | 08/14/21 17:14 | 1       |
| n-Butylbenzene               | ND        |           | 0.50     | 0.29 | ug/L |   |          | 08/14/21 17:14 | 1       |
| N-Propylbenzene              | ND        |           | 0.50     | 0.39 | ug/L |   |          | 08/14/21 17:14 | 1       |
| o-Xylene                     | ND        |           | 0.50     | 0.35 | ug/L |   |          | 08/14/21 17:14 | 1       |
| m,p-Xylene                   | ND        |           | 1.0      | 0.78 | ug/L |   |          | 08/14/21 17:14 | 1       |
| p-Isopropyltoluene           | ND        |           | 0.50     | 0.28 | ug/L |   |          | 08/14/21 17:14 | 1       |
| sec-Butylbenzene             | ND        |           | 0.50     | 0.34 | ug/L |   |          | 08/14/21 17:14 | 1       |
| Styrene                      | ND        |           | 0.50     | 0.28 | ug/L |   |          | 08/14/21 17:14 | 1       |
| trans-1,2-Dichloroethene     | ND        |           | 0.50     | 0.36 | ug/L |   |          | 08/14/21 17:14 | 1       |
| trans-1,3-Dichloropropene    | ND        |           | 0.50     | 0.17 | ug/L |   |          | 08/14/21 17:14 | 1       |
| tert-Butylbenzene            | ND        |           | 0.50     | 0.34 | ug/L |   |          | 08/14/21 17:14 | 1       |
| Toluene                      | ND        |           | 0.50     | 0.33 | ug/L |   |          | 08/14/21 17:14 | 1       |
| Trichlorofluoromethane       | ND        |           | 0.50     | 0.30 | ug/L |   |          | 08/14/21 17:14 | 1       |
| Vinyl acetate                | ND        |           | 5.0      | 3.1  | ug/L |   |          | 08/14/21 17:14 | 1       |
| Vinyl chloride               | ND        |           | 0.50     | 0.40 | ug/L |   |          | 08/14/21 17:14 | 1       |
| Surrogate                    | %Recovery | Qualifier | Limits   |      |      |   | Prepared | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 68 - 135 |      |      |   |          | 08/14/21 17:14 | 1       |
| 4-Bromofluorobenzene (Surr)  | 97        |           | 71 - 120 |      |      |   |          | 08/14/21 17:14 | 1       |
| Dibromofluoromethane         | 104       |           | 80 - 120 |      |      |   |          | 08/14/21 17:14 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |      |      |   |          | 08/14/21 17:14 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: UA-02  
Date Collected: 08/05/21 08:55  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-3  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 17:41 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 17:41 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 17:41 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 17:41 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 17:41 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 17:41 | 1       |
| 1,1-Dichloroethene                    | 0.68   |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 17:41 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 17:41 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 17:41 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 17:41 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 17:41 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 17:41 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 17:41 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 17:41 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 17:41 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 17:41 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 17:41 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 17:41 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 17:41 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 17:41 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 17:41 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 17:41 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/14/21 17:41 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/14/21 17:41 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/14/21 17:41 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/14/21 17:41 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/14/21 17:41 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/14/21 17:41 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 17:41 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 17:41 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/14/21 17:41 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 17:41 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 17:41 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/14/21 17:41 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 08/14/21 17:41 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 17:41 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/14/21 17:41 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 17:41 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 17:41 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/14/21 17:41 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 17:41 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/14/21 17:41 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 17:41 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 17:41 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 08/14/21 17:41 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/14/21 17:41 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 17:41 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/14/21 17:41 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/14/21 17:41 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UA-02  
Date Collected: 08/05/21 08:55  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-3  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 17:41 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 17:41 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 17:41 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 17:41 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 17:41 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 17:41 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 17:41 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 17:41 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 17:41 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 17:41 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 17:41 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 17:41 | 1       |
| Trichloroethene           | 3.4    |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 17:41 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 17:41 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 17:41 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 17:41 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 68 - 135 |          | 08/14/21 17:41 | 1       |
| 4-Bromofluorobenzene (Surr)  | 94        |           | 71 - 120 |          | 08/14/21 17:41 | 1       |
| Dibromofluoromethane         | 102       |           | 80 - 120 |          | 08/14/21 17:41 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 08/14/21 17:41 | 1       |

Client Sample ID: UA-08D  
Date Collected: 08/05/21 09:25  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-4  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 18:08 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 18:08 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 18:08 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 18:08 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 18:08 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 18:08 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 18:08 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 18:08 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 18:08 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 18:08 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 18:08 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 18:08 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 18:08 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 18:08 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 18:08 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 18:08 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 18:08 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 18:08 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 18:08 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 18:08 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 18:08 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 18:08 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/14/21 18:08 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UA-08D  
Date Collected: 08/05/21 09:25  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-4  
Matrix: Water

| Analyte                     | Result      | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-------------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Chlorotoluene             | ND          |           | 0.50 | 0.31 | ug/L |   |          | 08/14/21 18:08 | 1       |
| 2-Hexanone                  | ND          |           | 6.0  | 4.3  | ug/L |   |          | 08/14/21 18:08 | 1       |
| 4-Chlorotoluene             | ND          |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 18:08 | 1       |
| 4-Methyl-2-pentanone        | ND          |           | 5.0  | 2.2  | ug/L |   |          | 08/14/21 18:08 | 1       |
| Acetone                     | ND          |           | 8.0  | 4.0  | ug/L |   |          | 08/14/21 18:08 | 1       |
| Benzene                     | ND          |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 18:08 | 1       |
| Bromobenzene                | ND          |           | 0.50 | 0.26 | ug/L |   |          | 08/14/21 18:08 | 1       |
| Bromochloromethane          | ND          |           | 1.0  | 0.35 | ug/L |   |          | 08/14/21 18:08 | 1       |
| Bromodichloromethane        | ND          |           | 0.50 | 0.22 | ug/L |   |          | 08/14/21 18:08 | 1       |
| Bromoform                   | ND          |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 18:08 | 1       |
| Bromomethane                | ND          |           | 1.0  | 0.93 | ug/L |   |          | 08/14/21 18:08 | 1       |
| cis-1,2-Dichloroethene      | ND          |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 18:08 | 1       |
| cis-1,3-Dichloropropene     | ND          |           | 0.50 | 0.19 | ug/L |   |          | 08/14/21 18:08 | 1       |
| Carbon disulfide            | ND          |           | 1.0  | 0.24 | ug/L |   |          | 08/14/21 18:08 | 1       |
| Carbon tetrachloride        | ND          |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 18:08 | 1       |
| Chlorobenzene               | ND          |           | 0.50 | 0.24 | ug/L |   |          | 08/14/21 18:08 | 1       |
| Chloroethane                | ND          |           | 0.50 | 0.44 | ug/L |   |          | 08/14/21 18:08 | 1       |
| Chloroform                  | ND          |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 18:08 | 1       |
| Chloromethane               | ND          |           | 1.0  | 0.29 | ug/L |   |          | 08/14/21 18:08 | 1       |
| Dibromochloromethane        | ND          |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 18:08 | 1       |
| Dibromomethane              | ND          |           | 0.50 | 0.23 | ug/L |   |          | 08/14/21 18:08 | 1       |
| Dichlorodifluoromethane     | ND          |           | 1.0  | 0.68 | ug/L |   |          | 08/14/21 18:08 | 1       |
| Ethylbenzene                | ND          |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 18:08 | 1       |
| Isopropylbenzene            | ND          |           | 0.50 | 0.38 | ug/L |   |          | 08/14/21 18:08 | 1       |
| Methylene Chloride          | ND          |           | 1.0  | 0.48 | ug/L |   |          | 08/14/21 18:08 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND          |           | 0.50 | 0.21 | ug/L |   |          | 08/14/21 18:08 | 1       |
| Naphthalene                 | ND          |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 18:08 | 1       |
| n-Butylbenzene              | ND          |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 18:08 | 1       |
| N-Propylbenzene             | ND          |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 18:08 | 1       |
| o-Xylene                    | ND          |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 18:08 | 1       |
| m,p-Xylene                  | ND          |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 18:08 | 1       |
| p-Isopropyltoluene          | ND          |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 18:08 | 1       |
| sec-Butylbenzene            | ND          |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 18:08 | 1       |
| Styrene                     | ND          |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 18:08 | 1       |
| trans-1,2-Dichloroethene    | ND          |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 18:08 | 1       |
| trans-1,3-Dichloropropene   | ND          |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 18:08 | 1       |
| tert-Butylbenzene           | ND          |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 18:08 | 1       |
| <b>Tetrachloroethene</b>    | <b>0.47</b> | <b>J</b>  | 0.50 | 0.29 | ug/L |   |          | 08/14/21 18:08 | 1       |
| Toluene                     | ND          |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 18:08 | 1       |
| <b>Trichloroethene</b>      | <b>1.1</b>  |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 18:08 | 1       |
| Trichlorofluoromethane      | ND          |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 18:08 | 1       |
| Vinyl acetate               | ND          |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 18:08 | 1       |
| Vinyl chloride              | ND          |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 18:08 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 68 - 135 |          | 08/14/21 18:08 | 1       |
| 4-Bromofluorobenzene (Surr)  | 97        |           | 71 - 120 |          | 08/14/21 18:08 | 1       |
| Dibromofluoromethane         | 101       |           | 80 - 120 |          | 08/14/21 18:08 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 120 |          | 08/14/21 18:08 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: UA-08  
Date Collected: 08/05/21 09:35  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-5  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 18:36 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 18:36 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 18:36 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 18:36 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 18:36 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 18:36 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 18:36 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 18:36 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 18:36 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 18:36 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 18:36 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 18:36 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 18:36 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 18:36 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 18:36 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 18:36 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 18:36 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 18:36 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 18:36 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 18:36 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 18:36 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 18:36 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/14/21 18:36 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/14/21 18:36 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/14/21 18:36 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/14/21 18:36 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/14/21 18:36 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/14/21 18:36 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 18:36 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 18:36 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/14/21 18:36 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 18:36 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 18:36 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/14/21 18:36 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 08/14/21 18:36 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 18:36 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/14/21 18:36 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 18:36 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 18:36 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/14/21 18:36 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 18:36 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/14/21 18:36 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 18:36 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 18:36 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 08/14/21 18:36 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/14/21 18:36 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 18:36 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/14/21 18:36 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/14/21 18:36 | 1       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UA-08  
Date Collected: 08/05/21 09:35  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-5  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 18:36 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 18:36 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 18:36 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 18:36 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 18:36 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 18:36 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 18:36 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 18:36 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 18:36 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 18:36 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 18:36 | 1       |
| Tetrachloroethene         | 0.30   | J         | 0.50 | 0.29 | ug/L |   |          | 08/14/21 18:36 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 18:36 | 1       |
| Trichloroethene           | 1.9    |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 18:36 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 18:36 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 18:36 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 18:36 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 107       |           | 68 - 135 |          | 08/14/21 18:36 | 1       |
| 4-Bromofluorobenzene (Surr)  | 94        |           | 71 - 120 |          | 08/14/21 18:36 | 1       |
| Dibromofluoromethane         | 104       |           | 80 - 120 |          | 08/14/21 18:36 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 120 |          | 08/14/21 18:36 | 1       |

Client Sample ID: RB-080521A  
Date Collected: 08/05/21 09:40  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-6  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 19:03 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: RB-080521A  
Date Collected: 08/05/21 09:40  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-6  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  | 3.0  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 08/14/21 19:03 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 19:03 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 08/14/21 19:03 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 08/14/21 19:03 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 08/14/21 19:03 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 19:03 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  | 0.68 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 | 0.21 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Naphthalene                 | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 19:03 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 19:03 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 19:03 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 19:03 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 19:03 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 19:03 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 19:03 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 19:03 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 19:03 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Trichloroethene             | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 19:03 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 19:03 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 100       |           | 68 - 135 |          | 08/14/21 19:03 | 1       |
| 4-Bromofluorobenzene (Surr)  | 96        |           | 71 - 120 |          | 08/14/21 19:03 | 1       |
| Dibromofluoromethane         | 101       |           | 80 - 120 |          | 08/14/21 19:03 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 120 |          | 08/14/21 19:03 | 1       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: SE-04  
Date Collected: 08/05/21 09:50  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-7  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 19:30 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 19:30 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 19:30 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 19:30 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 19:30 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 19:30 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 19:30 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 19:30 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 19:30 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 19:30 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 19:30 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 19:30 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 19:30 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 19:30 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 19:30 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 19:30 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 19:30 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 19:30 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 19:30 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 19:30 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 19:30 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 19:30 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/14/21 19:30 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/14/21 19:30 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/14/21 19:30 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/14/21 19:30 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/14/21 19:30 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/14/21 19:30 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 19:30 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 19:30 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/14/21 19:30 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 19:30 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 19:30 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/14/21 19:30 | 1       |
| cis-1,2-Dichloroethene                | 0.77   |           | 0.50 | 0.30  | ug/L |   |          | 08/14/21 19:30 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 19:30 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/14/21 19:30 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 19:30 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 19:30 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/14/21 19:30 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 19:30 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/14/21 19:30 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 19:30 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 19:30 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 08/14/21 19:30 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/14/21 19:30 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 19:30 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/14/21 19:30 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/14/21 19:30 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SE-04  
Date Collected: 08/05/21 09:50  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-7  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 19:30 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 19:30 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 19:30 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 19:30 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 19:30 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 19:30 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 19:30 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 19:30 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 19:30 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 19:30 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 19:30 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 19:30 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 19:30 | 1       |
| Trichloroethene           | 7.1    |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 19:30 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 19:30 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 19:30 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 19:30 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 108       |           | 68 - 135 |          | 08/14/21 19:30 | 1       |
| 4-Bromofluorobenzene (Surr)  | 94        |           | 71 - 120 |          | 08/14/21 19:30 | 1       |
| Dibromofluoromethane         | 104       |           | 80 - 120 |          | 08/14/21 19:30 | 1       |
| Toluene-d8 (Surr)            | 103       |           | 80 - 120 |          | 08/14/21 19:30 | 1       |

Client Sample ID: SE-0400  
Date Collected: 08/05/21 09:55  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-8  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 19:57 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 19:57 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 19:57 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 19:57 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 19:57 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 19:57 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 19:57 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 19:57 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 19:57 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 19:57 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 19:57 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 19:57 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 19:57 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 19:57 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 19:57 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 19:57 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 19:57 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 19:57 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 19:57 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 19:57 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 19:57 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 19:57 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SE-0400  
Date Collected: 08/05/21 09:55  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-8  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  | 3.0  | ug/L |   |          | 08/14/21 19:57 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 08/14/21 19:57 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 08/14/21 19:57 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 19:57 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 08/14/21 19:57 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 08/14/21 19:57 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 08/14/21 19:57 | 1       |
| cis-1,2-Dichloroethene      | 0.71   |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 19:57 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  | 0.68 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 | 0.21 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Naphthalene                 | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 19:57 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 19:57 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 19:57 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 19:57 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 19:57 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 19:57 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 19:57 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 19:57 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 19:57 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Trichloroethene             | 6.7    |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 19:57 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 19:57 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 19:57 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 68 - 135 |          | 08/14/21 19:57 | 1       |
| 4-Bromofluorobenzene (Surr)  | 94        |           | 71 - 120 |          | 08/14/21 19:57 | 1       |
| Dibromofluoromethane         | 102       |           | 80 - 120 |          | 08/14/21 19:57 | 1       |
| Toluene-d8 (Surr)            | 99        |           | 80 - 120 |          | 08/14/21 19:57 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: S-15  
Date Collected: 08/05/21 11:25  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-9  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 20:25 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 20:25 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 20:25 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 20:25 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 20:25 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 20:25 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 20:25 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 20:25 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 20:25 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 20:25 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 20:25 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 20:25 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 20:25 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 20:25 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 20:25 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 20:25 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 20:25 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 20:25 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 20:25 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 20:25 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 20:25 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 20:25 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/14/21 20:25 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/14/21 20:25 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/14/21 20:25 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/14/21 20:25 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/14/21 20:25 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/14/21 20:25 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 20:25 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 20:25 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/14/21 20:25 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 20:25 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 20:25 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/14/21 20:25 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 08/14/21 20:25 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 20:25 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/14/21 20:25 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 20:25 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 20:25 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/14/21 20:25 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 20:25 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/14/21 20:25 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 20:25 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 20:25 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 08/14/21 20:25 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/14/21 20:25 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 20:25 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/14/21 20:25 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/14/21 20:25 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-15  
Date Collected: 08/05/21 11:25  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-9  
Matrix: Water

| Analyte                   | Result      | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-------------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND          |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 20:25 | 1       |
| n-Butylbenzene            | ND          |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 20:25 | 1       |
| N-Propylbenzene           | ND          |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 20:25 | 1       |
| o-Xylene                  | ND          |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 20:25 | 1       |
| m,p-Xylene                | ND          |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 20:25 | 1       |
| p-Isopropyltoluene        | ND          |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 20:25 | 1       |
| sec-Butylbenzene          | ND          |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 20:25 | 1       |
| Styrene                   | ND          |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 20:25 | 1       |
| trans-1,2-Dichloroethene  | ND          |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 20:25 | 1       |
| trans-1,3-Dichloropropene | ND          |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 20:25 | 1       |
| tert-Butylbenzene         | ND          |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 20:25 | 1       |
| <b>Tetrachloroethene</b>  | <b>0.37</b> | <b>J</b>  | 0.50 | 0.29 | ug/L |   |          | 08/14/21 20:25 | 1       |
| Toluene                   | ND          |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 20:25 | 1       |
| <b>Trichloroethene</b>    | <b>1.5</b>  |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 20:25 | 1       |
| Trichlorofluoromethane    | ND          |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 20:25 | 1       |
| Vinyl acetate             | ND          |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 20:25 | 1       |
| Vinyl chloride            | ND          |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 20:25 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 68 - 135 |          | 08/14/21 20:25 | 1       |
| 4-Bromofluorobenzene (Surr)  | 94        |           | 71 - 120 |          | 08/14/21 20:25 | 1       |
| Dibromofluoromethane         | 104       |           | 80 - 120 |          | 08/14/21 20:25 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 120 |          | 08/14/21 20:25 | 1       |

Client Sample ID: S-02  
Date Collected: 08/05/21 11:40  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-10  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 20:52 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 20:52 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 20:52 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 20:52 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 20:52 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 20:52 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 20:52 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 20:52 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 20:52 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 20:52 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 20:52 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 20:52 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 20:52 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 20:52 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 20:52 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 20:52 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 20:52 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 20:52 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 20:52 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 20:52 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 20:52 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 20:52 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-02  
Date Collected: 08/05/21 11:40  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-10  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  | 3.0  | ug/L |   |          | 08/14/21 20:52 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 08/14/21 20:52 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 08/14/21 20:52 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 20:52 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 08/14/21 20:52 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 08/14/21 20:52 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 08/14/21 20:52 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 20:52 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  | 0.68 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 | 0.21 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Naphthalene                 | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 20:52 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 20:52 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 20:52 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 20:52 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 20:52 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 20:52 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 20:52 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 20:52 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 20:52 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Trichloroethene             | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 20:52 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 20:52 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 20:52 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104       |           | 68 - 135 |          | 08/14/21 20:52 | 1       |
| 4-Bromofluorobenzene (Surr)  | 95        |           | 71 - 120 |          | 08/14/21 20:52 | 1       |
| Dibromofluoromethane         | 102       |           | 80 - 120 |          | 08/14/21 20:52 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 120 |          | 08/14/21 20:52 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: S-08  
Date Collected: 08/05/21 12:20  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-11  
Matrix: Water

| Analyte                               | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 25  | 13  | ug/L |   |          | 08/14/21 21:19 | 50      |
| 1,1,1-Trichloroethane                 | ND     |           | 25  | 13  | ug/L |   |          | 08/14/21 21:19 | 50      |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 25  | 9.7 | ug/L |   |          | 08/14/21 21:19 | 50      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 25  | 13  | ug/L |   |          | 08/14/21 21:19 | 50      |
| 1,1,2-Trichloroethane                 | ND     |           | 25  | 4.2 | ug/L |   |          | 08/14/21 21:19 | 50      |
| 1,1-Dichloroethane                    | ND     |           | 25  | 18  | ug/L |   |          | 08/14/21 21:19 | 50      |
| 1,1-Dichloroethene                    | ND     |           | 25  | 20  | ug/L |   |          | 08/14/21 21:19 | 50      |
| 1,1-Dichloropropene                   | ND     |           | 25  | 12  | ug/L |   |          | 08/14/21 21:19 | 50      |
| 1,2,3-Trichlorobenzene                | ND     |           | 25  | 14  | ug/L |   |          | 08/14/21 21:19 | 50      |
| 1,2,3-Trichloropropane                | ND     |           | 25  | 16  | ug/L |   |          | 08/14/21 21:19 | 50      |
| 1,2,4-Trichlorobenzene                | ND     |           | 25  | 19  | ug/L |   |          | 08/14/21 21:19 | 50      |
| 1,2,4-Trimethylbenzene                | ND     |           | 25  | 14  | ug/L |   |          | 08/14/21 21:19 | 50      |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 50  | 32  | ug/L |   |          | 08/14/21 21:19 | 50      |
| 1,2-Dibromoethane                     | ND     |           | 25  | 6.8 | ug/L |   |          | 08/14/21 21:19 | 50      |
| 1,2-Dichlorobenzene                   | ND     |           | 25  | 12  | ug/L |   |          | 08/14/21 21:19 | 50      |
| 1,2-Dichloroethane                    | ND     |           | 25  | 7.5 | ug/L |   |          | 08/14/21 21:19 | 50      |
| 1,2-Dichloropropane                   | ND     |           | 25  | 12  | ug/L |   |          | 08/14/21 21:19 | 50      |
| 1,3,5-Trimethylbenzene                | ND     |           | 25  | 14  | ug/L |   |          | 08/14/21 21:19 | 50      |
| 1,3-Dichlorobenzene                   | ND     |           | 25  | 13  | ug/L |   |          | 08/14/21 21:19 | 50      |
| 1,3-Dichloropropane                   | ND     |           | 25  | 10  | ug/L |   |          | 08/14/21 21:19 | 50      |
| 1,4-Dichlorobenzene                   | ND     |           | 25  | 11  | ug/L |   |          | 08/14/21 21:19 | 50      |
| 2,2-Dichloropropane                   | ND     |           | 25  | 20  | ug/L |   |          | 08/14/21 21:19 | 50      |
| 2-Butanone                            | ND     |           | 250 | 150 | ug/L |   |          | 08/14/21 21:19 | 50      |
| 2-Chlorotoluene                       | ND     |           | 25  | 16  | ug/L |   |          | 08/14/21 21:19 | 50      |
| 2-Hexanone                            | ND     |           | 300 | 220 | ug/L |   |          | 08/14/21 21:19 | 50      |
| 4-Chlorotoluene                       | ND     |           | 25  | 17  | ug/L |   |          | 08/14/21 21:19 | 50      |
| 4-Methyl-2-pentanone                  | ND     |           | 250 | 110 | ug/L |   |          | 08/14/21 21:19 | 50      |
| Acetone                               | ND     |           | 400 | 200 | ug/L |   |          | 08/14/21 21:19 | 50      |
| Benzene                               | ND     |           | 25  | 13  | ug/L |   |          | 08/14/21 21:19 | 50      |
| Bromobenzene                          | ND     |           | 25  | 13  | ug/L |   |          | 08/14/21 21:19 | 50      |
| Bromochloromethane                    | ND     |           | 50  | 18  | ug/L |   |          | 08/14/21 21:19 | 50      |
| Bromodichloromethane                  | ND     |           | 25  | 11  | ug/L |   |          | 08/14/21 21:19 | 50      |
| Bromoform                             | ND     |           | 25  | 19  | ug/L |   |          | 08/14/21 21:19 | 50      |
| Bromomethane                          | ND     |           | 50  | 47  | ug/L |   |          | 08/14/21 21:19 | 50      |
| cis-1,2-Dichloroethene                | ND     |           | 25  | 15  | ug/L |   |          | 08/14/21 21:19 | 50      |
| cis-1,3-Dichloropropene               | ND     |           | 25  | 9.6 | ug/L |   |          | 08/14/21 21:19 | 50      |
| Carbon disulfide                      | ND     |           | 50  | 12  | ug/L |   |          | 08/14/21 21:19 | 50      |
| Carbon tetrachloride                  | ND     |           | 25  | 14  | ug/L |   |          | 08/14/21 21:19 | 50      |
| Chlorobenzene                         | ND     |           | 25  | 12  | ug/L |   |          | 08/14/21 21:19 | 50      |
| Chloroethane                          | ND     |           | 25  | 22  | ug/L |   |          | 08/14/21 21:19 | 50      |
| Chloroform                            | ND     |           | 25  | 14  | ug/L |   |          | 08/14/21 21:19 | 50      |
| Chloromethane                         | ND     |           | 50  | 15  | ug/L |   |          | 08/14/21 21:19 | 50      |
| Dibromochloromethane                  | ND     |           | 25  | 14  | ug/L |   |          | 08/14/21 21:19 | 50      |
| Dibromomethane                        | ND     |           | 25  | 12  | ug/L |   |          | 08/14/21 21:19 | 50      |
| Dichlorodifluoromethane               | ND     |           | 50  | 34  | ug/L |   |          | 08/14/21 21:19 | 50      |
| Ethylbenzene                          | ND     |           | 25  | 18  | ug/L |   |          | 08/14/21 21:19 | 50      |
| Isopropylbenzene                      | ND     |           | 25  | 19  | ug/L |   |          | 08/14/21 21:19 | 50      |
| Methylene Chloride                    | ND     |           | 50  | 24  | ug/L |   |          | 08/14/21 21:19 | 50      |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 25  | 10  | ug/L |   |          | 08/14/21 21:19 | 50      |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-08  
Date Collected: 08/05/21 12:20  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-11  
Matrix: Water

| Analyte                   | Result      | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-------------|-----------|-----|-----|------|---|----------|----------------|---------|
| Naphthalene               | ND          |           | 50  | 16  | ug/L |   |          | 08/14/21 21:19 | 50      |
| n-Butylbenzene            | ND          |           | 25  | 15  | ug/L |   |          | 08/14/21 21:19 | 50      |
| N-Propylbenzene           | ND          |           | 25  | 19  | ug/L |   |          | 08/14/21 21:19 | 50      |
| o-Xylene                  | ND          |           | 25  | 18  | ug/L |   |          | 08/14/21 21:19 | 50      |
| m,p-Xylene                | ND          |           | 50  | 39  | ug/L |   |          | 08/14/21 21:19 | 50      |
| p-Isopropyltoluene        | ND          |           | 25  | 14  | ug/L |   |          | 08/14/21 21:19 | 50      |
| sec-Butylbenzene          | ND          |           | 25  | 17  | ug/L |   |          | 08/14/21 21:19 | 50      |
| Styrene                   | ND          |           | 25  | 14  | ug/L |   |          | 08/14/21 21:19 | 50      |
| trans-1,2-Dichloroethene  | ND          |           | 25  | 18  | ug/L |   |          | 08/14/21 21:19 | 50      |
| trans-1,3-Dichloropropene | ND          |           | 25  | 8.6 | ug/L |   |          | 08/14/21 21:19 | 50      |
| tert-Butylbenzene         | ND          |           | 25  | 17  | ug/L |   |          | 08/14/21 21:19 | 50      |
| <b>Tetrachloroethene</b>  | <b>70</b>   |           | 25  | 14  | ug/L |   |          | 08/14/21 21:19 | 50      |
| Toluene                   | ND          |           | 25  | 17  | ug/L |   |          | 08/14/21 21:19 | 50      |
| <b>Trichloroethene</b>    | <b>2000</b> |           | 25  | 14  | ug/L |   |          | 08/14/21 21:19 | 50      |
| Trichlorofluoromethane    | ND          |           | 25  | 15  | ug/L |   |          | 08/14/21 21:19 | 50      |
| Vinyl acetate             | ND          |           | 250 | 160 | ug/L |   |          | 08/14/21 21:19 | 50      |
| Vinyl chloride            | ND          |           | 25  | 20  | ug/L |   |          | 08/14/21 21:19 | 50      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 100       |           | 68 - 135 |          | 08/14/21 21:19 | 50      |
| 4-Bromofluorobenzene (Surr)  | 96        |           | 71 - 120 |          | 08/14/21 21:19 | 50      |
| Dibromofluoromethane         | 100       |           | 80 - 120 |          | 08/14/21 21:19 | 50      |
| Toluene-d8 (Surr)            | 105       |           | 80 - 120 |          | 08/14/21 21:19 | 50      |

Client Sample ID: SE-01  
Date Collected: 08/05/21 12:30  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-12  
Matrix: Water

| Analyte                               | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 100 | 51  | ug/L |   |          | 08/14/21 16:29 | 200     |
| 1,1,1-Trichloroethane                 | ND     |           | 100 | 53  | ug/L |   |          | 08/14/21 16:29 | 200     |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 100 | 39  | ug/L |   |          | 08/14/21 16:29 | 200     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 100 | 50  | ug/L |   |          | 08/14/21 16:29 | 200     |
| 1,1,2-Trichloroethane                 | ND     |           | 100 | 17  | ug/L |   |          | 08/14/21 16:29 | 200     |
| 1,1-Dichloroethane                    | ND     |           | 100 | 71  | ug/L |   |          | 08/14/21 16:29 | 200     |
| 1,1-Dichloroethene                    | ND     |           | 100 | 78  | ug/L |   |          | 08/14/21 16:29 | 200     |
| 1,1-Dichloropropene                   | ND     |           | 100 | 48  | ug/L |   |          | 08/14/21 16:29 | 200     |
| 1,2,3-Trichlorobenzene                | ND     |           | 100 | 55  | ug/L |   |          | 08/14/21 16:29 | 200     |
| 1,2,3-Trichloropropane                | ND     |           | 100 | 64  | ug/L |   |          | 08/14/21 16:29 | 200     |
| 1,2,4-Trichlorobenzene                | ND     |           | 100 | 75  | ug/L |   |          | 08/14/21 16:29 | 200     |
| 1,2,4-Trimethylbenzene                | ND     |           | 100 | 57  | ug/L |   |          | 08/14/21 16:29 | 200     |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 200 | 130 | ug/L |   |          | 08/14/21 16:29 | 200     |
| 1,2-Dibromoethane                     | ND     |           | 100 | 27  | ug/L |   |          | 08/14/21 16:29 | 200     |
| 1,2-Dichlorobenzene                   | ND     |           | 100 | 46  | ug/L |   |          | 08/14/21 16:29 | 200     |
| 1,2-Dichloroethane                    | ND     |           | 100 | 30  | ug/L |   |          | 08/14/21 16:29 | 200     |
| 1,2-Dichloropropane                   | ND     |           | 100 | 48  | ug/L |   |          | 08/14/21 16:29 | 200     |
| 1,3,5-Trimethylbenzene                | ND     |           | 100 | 57  | ug/L |   |          | 08/14/21 16:29 | 200     |
| 1,3-Dichlorobenzene                   | ND     |           | 100 | 51  | ug/L |   |          | 08/14/21 16:29 | 200     |
| 1,3-Dichloropropane                   | ND     |           | 100 | 41  | ug/L |   |          | 08/14/21 16:29 | 200     |
| 1,4-Dichlorobenzene                   | ND     |           | 100 | 45  | ug/L |   |          | 08/14/21 16:29 | 200     |
| 2,2-Dichloropropane                   | ND     |           | 100 | 79  | ug/L |   |          | 08/14/21 16:29 | 200     |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: SE-01  
Date Collected: 08/05/21 12:30  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-12  
Matrix: Water

| Analyte                     | Result       | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------------|-----------|------|-----|------|---|----------|----------------|---------|
| 2-Butanone                  | ND           |           | 1000 | 610 | ug/L |   |          | 08/14/21 16:29 | 200     |
| 2-Chlorotoluene             | ND           |           | 100  | 62  | ug/L |   |          | 08/14/21 16:29 | 200     |
| 2-Hexanone                  | ND           |           | 1200 | 860 | ug/L |   |          | 08/14/21 16:29 | 200     |
| 4-Chlorotoluene             | ND           |           | 100  | 67  | ug/L |   |          | 08/14/21 16:29 | 200     |
| 4-Methyl-2-pentanone        | ND           |           | 1000 | 450 | ug/L |   |          | 08/14/21 16:29 | 200     |
| Acetone                     | ND           |           | 1600 | 800 | ug/L |   |          | 08/14/21 16:29 | 200     |
| Benzene                     | ND           |           | 100  | 53  | ug/L |   |          | 08/14/21 16:29 | 200     |
| Bromobenzene                | ND           |           | 100  | 52  | ug/L |   |          | 08/14/21 16:29 | 200     |
| Bromochloromethane          | ND           |           | 200  | 70  | ug/L |   |          | 08/14/21 16:29 | 200     |
| Bromodichloromethane        | ND           |           | 100  | 45  | ug/L |   |          | 08/14/21 16:29 | 200     |
| Bromoform                   | ND           |           | 100  | 78  | ug/L |   |          | 08/14/21 16:29 | 200     |
| Bromomethane                | ND           |           | 200  | 190 | ug/L |   |          | 08/14/21 16:29 | 200     |
| cis-1,2-Dichloroethene      | ND           |           | 100  | 60  | ug/L |   |          | 08/14/21 16:29 | 200     |
| cis-1,3-Dichloropropene     | ND           |           | 100  | 38  | ug/L |   |          | 08/14/21 16:29 | 200     |
| Carbon disulfide            | ND           |           | 200  | 49  | ug/L |   |          | 08/14/21 16:29 | 200     |
| Carbon tetrachloride        | ND           |           | 100  | 54  | ug/L |   |          | 08/14/21 16:29 | 200     |
| Chlorobenzene               | ND           |           | 100  | 48  | ug/L |   |          | 08/14/21 16:29 | 200     |
| Chloroethane                | ND           |           | 100  | 88  | ug/L |   |          | 08/14/21 16:29 | 200     |
| Chloroform                  | ND           |           | 100  | 57  | ug/L |   |          | 08/14/21 16:29 | 200     |
| Chloromethane               | ND           |           | 200  | 59  | ug/L |   |          | 08/14/21 16:29 | 200     |
| Dibromochloromethane        | ND           |           | 100  | 54  | ug/L |   |          | 08/14/21 16:29 | 200     |
| Dibromomethane              | ND           |           | 100  | 46  | ug/L |   |          | 08/14/21 16:29 | 200     |
| Dichlorodifluoromethane     | ND           |           | 200  | 140 | ug/L |   |          | 08/14/21 16:29 | 200     |
| Ethylbenzene                | ND           |           | 100  | 71  | ug/L |   |          | 08/14/21 16:29 | 200     |
| Isopropylbenzene            | ND           |           | 100  | 77  | ug/L |   |          | 08/14/21 16:29 | 200     |
| Methylene Chloride          | ND           |           | 200  | 96  | ug/L |   |          | 08/14/21 16:29 | 200     |
| Methyl-t-Butyl Ether (MTBE) | ND           |           | 100  | 41  | ug/L |   |          | 08/14/21 16:29 | 200     |
| Naphthalene                 | ND           |           | 200  | 64  | ug/L |   |          | 08/14/21 16:29 | 200     |
| n-Butylbenzene              | ND           |           | 100  | 59  | ug/L |   |          | 08/14/21 16:29 | 200     |
| N-Propylbenzene             | ND           |           | 100  | 78  | ug/L |   |          | 08/14/21 16:29 | 200     |
| o-Xylene                    | ND           |           | 100  | 70  | ug/L |   |          | 08/14/21 16:29 | 200     |
| m,p-Xylene                  | ND           |           | 200  | 160 | ug/L |   |          | 08/14/21 16:29 | 200     |
| p-Isopropyltoluene          | ND           |           | 100  | 55  | ug/L |   |          | 08/14/21 16:29 | 200     |
| sec-Butylbenzene            | ND           |           | 100  | 68  | ug/L |   |          | 08/14/21 16:29 | 200     |
| Styrene                     | ND           |           | 100  | 55  | ug/L |   |          | 08/14/21 16:29 | 200     |
| trans-1,2-Dichloroethene    | ND           |           | 100  | 72  | ug/L |   |          | 08/14/21 16:29 | 200     |
| trans-1,3-Dichloropropene   | ND           |           | 100  | 35  | ug/L |   |          | 08/14/21 16:29 | 200     |
| tert-Butylbenzene           | ND           |           | 100  | 68  | ug/L |   |          | 08/14/21 16:29 | 200     |
| <b>Tetrachloroethene</b>    | <b>770</b>   |           | 100  | 58  | ug/L |   |          | 08/14/21 16:29 | 200     |
| Toluene                     | ND           |           | 100  | 66  | ug/L |   |          | 08/14/21 16:29 | 200     |
| <b>Trichloroethene</b>      | <b>15000</b> |           | 100  | 58  | ug/L |   |          | 08/14/21 16:29 | 200     |
| Trichlorofluoromethane      | ND           |           | 100  | 59  | ug/L |   |          | 08/14/21 16:29 | 200     |
| Vinyl acetate               | ND           |           | 1000 | 630 | ug/L |   |          | 08/14/21 16:29 | 200     |
| Vinyl chloride              | ND           |           | 100  | 80  | ug/L |   |          | 08/14/21 16:29 | 200     |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 110       |           | 68 - 135 |          | 08/14/21 16:29 | 200     |
| 4-Bromofluorobenzene (Surr)  | 90        |           | 71 - 120 |          | 08/14/21 16:29 | 200     |
| Dibromofluoromethane         | 102       |           | 80 - 120 |          | 08/14/21 16:29 | 200     |
| Toluene-d8 (Surr)            | 106       |           | 80 - 120 |          | 08/14/21 16:29 | 200     |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: UA-10D  
Date Collected: 08/05/21 08:50  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-13  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 16:55 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 16:55 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 16:55 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 16:55 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 16:55 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 16:55 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 16:55 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 16:55 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 16:55 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 16:55 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 16:55 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 16:55 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 16:55 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 16:55 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 16:55 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 16:55 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 16:55 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 16:55 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 16:55 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 16:55 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 16:55 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 16:55 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/14/21 16:55 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/14/21 16:55 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/14/21 16:55 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/14/21 16:55 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/14/21 16:55 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/14/21 16:55 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 16:55 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 16:55 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/14/21 16:55 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 16:55 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 16:55 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/14/21 16:55 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 08/14/21 16:55 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 16:55 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/14/21 16:55 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 16:55 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 16:55 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/14/21 16:55 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 16:55 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/14/21 16:55 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 16:55 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 16:55 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 08/14/21 16:55 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/14/21 16:55 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 16:55 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/14/21 16:55 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/14/21 16:55 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UA-10D  
Date Collected: 08/05/21 08:50  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-13  
Matrix: Water

| Analyte                   | Result    | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND        |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 16:55 | 1       |
| n-Butylbenzene            | ND        |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 16:55 | 1       |
| N-Propylbenzene           | ND        |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 16:55 | 1       |
| o-Xylene                  | ND        |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 16:55 | 1       |
| m,p-Xylene                | ND        |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 16:55 | 1       |
| p-Isopropyltoluene        | ND        |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 16:55 | 1       |
| sec-Butylbenzene          | ND        |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 16:55 | 1       |
| Styrene                   | ND        |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 16:55 | 1       |
| trans-1,2-Dichloroethene  | ND        |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 16:55 | 1       |
| trans-1,3-Dichloropropene | ND        |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 16:55 | 1       |
| tert-Butylbenzene         | ND        |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 16:55 | 1       |
| <b>Tetrachloroethene</b>  | <b>10</b> |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 16:55 | 1       |
| Toluene                   | ND        |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 16:55 | 1       |
| Trichloroethene           | ND        |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 16:55 | 1       |
| Trichlorofluoromethane    | ND        |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 16:55 | 1       |
| Vinyl acetate             | ND        |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 16:55 | 1       |
| Vinyl chloride            | ND        |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 16:55 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 113       |           | 68 - 135 |          | 08/14/21 16:55 | 1       |
| 4-Bromofluorobenzene (Surr)  | 90        |           | 71 - 120 |          | 08/14/21 16:55 | 1       |
| Dibromofluoromethane         | 104       |           | 80 - 120 |          | 08/14/21 16:55 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 120 |          | 08/14/21 16:55 | 1       |

Client Sample ID: RB-080521B  
Date Collected: 08/05/21 09:20  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-14  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 17:21 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 17:21 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 17:21 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 17:21 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 17:21 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 17:21 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 17:21 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 17:21 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 17:21 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 17:21 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 17:21 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 17:21 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 17:21 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 17:21 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 17:21 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 17:21 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 17:21 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 17:21 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 17:21 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 17:21 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 17:21 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 17:21 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: RB-080521B  
Date Collected: 08/05/21 09:20  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-14  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  | 3.0  | ug/L |   |          | 08/14/21 17:21 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 08/14/21 17:21 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 08/14/21 17:21 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 17:21 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 08/14/21 17:21 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 08/14/21 17:21 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 08/14/21 17:21 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 17:21 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  | 0.68 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 | 0.21 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Naphthalene                 | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 17:21 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 17:21 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 17:21 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 17:21 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 17:21 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 17:21 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 17:21 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 17:21 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 17:21 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Trichloroethene             | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 17:21 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 17:21 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 17:21 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 112       |           | 68 - 135 |          | 08/14/21 17:21 | 1       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 71 - 120 |          | 08/14/21 17:21 | 1       |
| Dibromofluoromethane         | 105       |           | 80 - 120 |          | 08/14/21 17:21 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 08/14/21 17:21 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: UA-11D  
Date Collected: 08/05/21 09:25  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-15  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 17:46 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 17:46 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 17:46 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 17:46 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 17:46 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 17:46 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 17:46 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 17:46 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 17:46 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 17:46 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 17:46 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 17:46 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 17:46 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 17:46 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 17:46 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 17:46 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 17:46 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 17:46 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 17:46 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 17:46 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 17:46 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 17:46 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/14/21 17:46 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/14/21 17:46 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/14/21 17:46 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/14/21 17:46 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/14/21 17:46 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/14/21 17:46 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 17:46 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 17:46 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/14/21 17:46 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 17:46 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 17:46 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/14/21 17:46 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 08/14/21 17:46 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 17:46 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/14/21 17:46 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 17:46 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 17:46 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/14/21 17:46 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 17:46 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/14/21 17:46 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 17:46 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 17:46 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 08/14/21 17:46 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/14/21 17:46 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 17:46 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/14/21 17:46 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/14/21 17:46 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UA-11D

Date Collected: 08/05/21 09:25

Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-15

Matrix: Water

| Analyte                   | Result     | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|------------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND         |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 17:46 | 1       |
| n-Butylbenzene            | ND         |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 17:46 | 1       |
| N-Propylbenzene           | ND         |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 17:46 | 1       |
| o-Xylene                  | ND         |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 17:46 | 1       |
| m,p-Xylene                | ND         |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 17:46 | 1       |
| p-Isopropyltoluene        | ND         |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 17:46 | 1       |
| sec-Butylbenzene          | ND         |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 17:46 | 1       |
| Styrene                   | ND         |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 17:46 | 1       |
| trans-1,2-Dichloroethene  | ND         |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 17:46 | 1       |
| trans-1,3-Dichloropropene | ND         |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 17:46 | 1       |
| tert-Butylbenzene         | ND         |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 17:46 | 1       |
| <b>Tetrachloroethene</b>  | <b>1.0</b> |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 17:46 | 1       |
| Toluene                   | ND         |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 17:46 | 1       |
| Trichloroethene           | ND         |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 17:46 | 1       |
| Trichlorofluoromethane    | ND         |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 17:46 | 1       |
| Vinyl acetate             | ND         |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 17:46 | 1       |
| Vinyl chloride            | ND         |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 17:46 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 113       |           | 68 - 135 |          | 08/14/21 17:46 | 1       |
| 4-Bromofluorobenzene (Surr)  | 90        |           | 71 - 120 |          | 08/14/21 17:46 | 1       |
| Dibromofluoromethane         | 104       |           | 80 - 120 |          | 08/14/21 17:46 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 120 |          | 08/14/21 17:46 | 1       |

Client Sample ID: UA-11

Date Collected: 08/05/21 09:30

Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-16

Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 18:12 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 18:12 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 18:12 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 18:12 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 18:12 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 18:12 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 18:12 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 18:12 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 18:12 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 18:12 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 18:12 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 18:12 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 18:12 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 18:12 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 18:12 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 18:12 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 18:12 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 18:12 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 18:12 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 18:12 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 18:12 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 18:12 | 1       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UA-11  
Date Collected: 08/05/21 09:30  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-16  
Matrix: Water

| Analyte                     | Result     | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|------------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND         |           | 5.0  | 3.0  | ug/L |   |          | 08/14/21 18:12 | 1       |
| 2-Chlorotoluene             | ND         |           | 0.50 | 0.31 | ug/L |   |          | 08/14/21 18:12 | 1       |
| 2-Hexanone                  | ND         |           | 6.0  | 4.3  | ug/L |   |          | 08/14/21 18:12 | 1       |
| 4-Chlorotoluene             | ND         |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 18:12 | 1       |
| 4-Methyl-2-pentanone        | ND         |           | 5.0  | 2.2  | ug/L |   |          | 08/14/21 18:12 | 1       |
| Acetone                     | ND         |           | 8.0  | 4.0  | ug/L |   |          | 08/14/21 18:12 | 1       |
| Benzene                     | ND         |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 18:12 | 1       |
| Bromobenzene                | ND         |           | 0.50 | 0.26 | ug/L |   |          | 08/14/21 18:12 | 1       |
| Bromochloromethane          | ND         |           | 1.0  | 0.35 | ug/L |   |          | 08/14/21 18:12 | 1       |
| Bromodichloromethane        | ND         |           | 0.50 | 0.22 | ug/L |   |          | 08/14/21 18:12 | 1       |
| Bromoform                   | ND         |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 18:12 | 1       |
| Bromomethane                | ND         |           | 1.0  | 0.93 | ug/L |   |          | 08/14/21 18:12 | 1       |
| cis-1,2-Dichloroethene      | ND         |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 18:12 | 1       |
| cis-1,3-Dichloropropene     | ND         |           | 0.50 | 0.19 | ug/L |   |          | 08/14/21 18:12 | 1       |
| Carbon disulfide            | ND         |           | 1.0  | 0.24 | ug/L |   |          | 08/14/21 18:12 | 1       |
| Carbon tetrachloride        | ND         |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 18:12 | 1       |
| Chlorobenzene               | ND         |           | 0.50 | 0.24 | ug/L |   |          | 08/14/21 18:12 | 1       |
| Chloroethane                | ND         |           | 0.50 | 0.44 | ug/L |   |          | 08/14/21 18:12 | 1       |
| Chloroform                  | ND         |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 18:12 | 1       |
| Chloromethane               | ND         |           | 1.0  | 0.29 | ug/L |   |          | 08/14/21 18:12 | 1       |
| Dibromochloromethane        | ND         |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 18:12 | 1       |
| Dibromomethane              | ND         |           | 0.50 | 0.23 | ug/L |   |          | 08/14/21 18:12 | 1       |
| Dichlorodifluoromethane     | ND         |           | 1.0  | 0.68 | ug/L |   |          | 08/14/21 18:12 | 1       |
| Ethylbenzene                | ND         |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 18:12 | 1       |
| Isopropylbenzene            | ND         |           | 0.50 | 0.38 | ug/L |   |          | 08/14/21 18:12 | 1       |
| Methylene Chloride          | ND         |           | 1.0  | 0.48 | ug/L |   |          | 08/14/21 18:12 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND         |           | 0.50 | 0.21 | ug/L |   |          | 08/14/21 18:12 | 1       |
| Naphthalene                 | ND         |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 18:12 | 1       |
| n-Butylbenzene              | ND         |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 18:12 | 1       |
| N-Propylbenzene             | ND         |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 18:12 | 1       |
| o-Xylene                    | ND         |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 18:12 | 1       |
| m,p-Xylene                  | ND         |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 18:12 | 1       |
| p-Isopropyltoluene          | ND         |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 18:12 | 1       |
| sec-Butylbenzene            | ND         |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 18:12 | 1       |
| Styrene                     | ND         |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 18:12 | 1       |
| trans-1,2-Dichloroethene    | ND         |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 18:12 | 1       |
| trans-1,3-Dichloropropene   | ND         |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 18:12 | 1       |
| tert-Butylbenzene           | ND         |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 18:12 | 1       |
| <b>Tetrachloroethene</b>    | <b>4.4</b> |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 18:12 | 1       |
| Toluene                     | ND         |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 18:12 | 1       |
| <b>Trichloroethene</b>      | <b>1.1</b> |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 18:12 | 1       |
| Trichlorofluoromethane      | ND         |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 18:12 | 1       |
| Vinyl acetate               | ND         |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 18:12 | 1       |
| Vinyl chloride              | ND         |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 18:12 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 112       |           | 68 - 135 |          | 08/14/21 18:12 | 1       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 71 - 120 |          | 08/14/21 18:12 | 1       |
| Dibromofluoromethane         | 105       |           | 80 - 120 |          | 08/14/21 18:12 | 1       |
| Toluene-d8 (Surr)            | 99        |           | 80 - 120 |          | 08/14/21 18:12 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: S-30  
Date Collected: 08/05/21 09:50  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-17  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 18:37 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 18:37 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 18:37 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 18:37 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 18:37 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 18:37 | 1       |
| 1,1-Dichloroethene                    | 1.4    |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 18:37 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 18:37 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 18:37 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 18:37 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 18:37 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 18:37 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 18:37 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 18:37 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 18:37 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 18:37 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 18:37 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 18:37 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 18:37 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 18:37 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 18:37 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 18:37 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/14/21 18:37 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/14/21 18:37 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/14/21 18:37 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/14/21 18:37 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/14/21 18:37 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/14/21 18:37 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 18:37 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 18:37 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/14/21 18:37 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 18:37 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 18:37 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/14/21 18:37 | 1       |
| cis-1,2-Dichloroethene                | 0.72   |           | 0.50 | 0.30  | ug/L |   |          | 08/14/21 18:37 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 18:37 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/14/21 18:37 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 18:37 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 18:37 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/14/21 18:37 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 18:37 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/14/21 18:37 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 18:37 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 18:37 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 08/14/21 18:37 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/14/21 18:37 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 18:37 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/14/21 18:37 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/14/21 18:37 | 1       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-30  
Date Collected: 08/05/21 09:50  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-17  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 18:37 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 18:37 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 18:37 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 18:37 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 18:37 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 18:37 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 18:37 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 18:37 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 18:37 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 18:37 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 18:37 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 18:37 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 18:37 | 1       |
| Trichloroethene           | 0.53   |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 18:37 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 18:37 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 18:37 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 18:37 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 109       |           | 68 - 135 |          | 08/14/21 18:37 | 1       |
| 4-Bromofluorobenzene (Surr)  | 93        |           | 71 - 120 |          | 08/14/21 18:37 | 1       |
| Dibromofluoromethane         | 105       |           | 80 - 120 |          | 08/14/21 18:37 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 08/14/21 18:37 | 1       |

Client Sample ID: S-3000  
Date Collected: 08/05/21 10:50  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-18  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,1-Dichloroethene                    | 0.62   |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 19:03 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-3000

Date Collected: 08/05/21 10:50

Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-18

Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  | 3.0  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 08/14/21 19:03 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 08/14/21 19:03 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 19:03 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 08/14/21 19:03 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 08/14/21 19:03 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 08/14/21 19:03 | 1       |
| cis-1,2-Dichloroethene      | 0.38   | J         | 0.50 | 0.30 | ug/L |   |          | 08/14/21 19:03 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  | 0.68 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 | 0.21 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Naphthalene                 | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 19:03 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 19:03 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 19:03 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 19:03 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 19:03 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 19:03 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 19:03 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 19:03 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 19:03 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Tetrachloroethene           | 1.0    |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Trichloroethene             | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 19:03 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 19:03 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 19:03 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 110       |           | 68 - 135 |          | 08/14/21 19:03 | 1       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 71 - 120 |          | 08/14/21 19:03 | 1       |
| Dibromofluoromethane         | 103       |           | 80 - 120 |          | 08/14/21 19:03 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 120 |          | 08/14/21 19:03 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: S-31  
Date Collected: 08/05/21 11:20  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-19  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 19:29 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 19:29 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 19:29 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 19:29 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 19:29 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 19:29 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 19:29 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 19:29 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 19:29 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 19:29 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 19:29 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 19:29 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 19:29 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 19:29 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 19:29 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 19:29 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 19:29 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 19:29 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 19:29 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 19:29 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 19:29 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 19:29 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/14/21 19:29 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/14/21 19:29 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/14/21 19:29 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/14/21 19:29 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/14/21 19:29 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/14/21 19:29 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 19:29 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 19:29 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/14/21 19:29 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 19:29 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 19:29 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/14/21 19:29 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 08/14/21 19:29 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 19:29 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/14/21 19:29 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 19:29 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 19:29 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/14/21 19:29 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 19:29 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/14/21 19:29 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 19:29 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 19:29 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 08/14/21 19:29 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/14/21 19:29 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 19:29 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/14/21 19:29 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/14/21 19:29 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-31  
Date Collected: 08/05/21 11:20  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-19  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 19:29 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 19:29 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 19:29 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 19:29 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 19:29 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 19:29 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 19:29 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 19:29 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 19:29 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 19:29 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 19:29 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 19:29 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 19:29 | 1       |
| Trichloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 19:29 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 19:29 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 19:29 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 19:29 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 107       |           | 68 - 135 |          | 08/14/21 19:29 | 1       |
| 4-Bromofluorobenzene (Surr)  | 91        |           | 71 - 120 |          | 08/14/21 19:29 | 1       |
| Dibromofluoromethane         | 102       |           | 80 - 120 |          | 08/14/21 19:29 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 120 |          | 08/14/21 19:29 | 1       |

Client Sample ID: S-29  
Date Collected: 08/05/21 11:55  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-20  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 19:54 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 19:54 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 19:54 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 19:54 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 19:54 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 19:54 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 19:54 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 19:54 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 19:54 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 19:54 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 19:54 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 19:54 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 19:54 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 19:54 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 19:54 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 19:54 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 19:54 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 19:54 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 19:54 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 19:54 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 19:54 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 19:54 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: S-29  
Date Collected: 08/05/21 11:55  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-20  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  | 3.0  | ug/L |   |          | 08/14/21 19:54 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 08/14/21 19:54 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 08/14/21 19:54 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 19:54 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 08/14/21 19:54 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 08/14/21 19:54 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 08/14/21 19:54 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 19:54 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  | 0.68 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 | 0.21 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Naphthalene                 | ND     |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 19:54 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 19:54 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 19:54 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 19:54 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 19:54 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 19:54 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 19:54 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 19:54 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 19:54 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Trichloroethene             | ND     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 19:54 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 19:54 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 19:54 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 68 - 135 |          | 08/14/21 19:54 | 1       |
| 4-Bromofluorobenzene (Surr)  | 91        |           | 71 - 120 |          | 08/14/21 19:54 | 1       |
| Dibromofluoromethane         | 104       |           | 80 - 120 |          | 08/14/21 19:54 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 08/14/21 19:54 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: UA-12D  
Date Collected: 08/05/21 12:05  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-21  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 20:20 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 20:20 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 20:20 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 20:20 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 20:20 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 20:20 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 20:20 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 20:20 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 20:20 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 20:20 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 20:20 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 20:20 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 20:20 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 20:20 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 20:20 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 20:20 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 20:20 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 20:20 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 20:20 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 20:20 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 20:20 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 20:20 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/14/21 20:20 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/14/21 20:20 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/14/21 20:20 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/14/21 20:20 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/14/21 20:20 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/14/21 20:20 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 20:20 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 20:20 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/14/21 20:20 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 20:20 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 20:20 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/14/21 20:20 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 08/14/21 20:20 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 20:20 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/14/21 20:20 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 20:20 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 20:20 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/14/21 20:20 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 20:20 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/14/21 20:20 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 20:20 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 20:20 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 08/14/21 20:20 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/14/21 20:20 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 20:20 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/14/21 20:20 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/14/21 20:20 | 1       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UA-12D

Date Collected: 08/05/21 12:05

Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-21

Matrix: Water

| Analyte                   | Result      | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-------------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND          |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 20:20 | 1       |
| n-Butylbenzene            | ND          |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 20:20 | 1       |
| N-Propylbenzene           | ND          |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 20:20 | 1       |
| o-Xylene                  | ND          |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 20:20 | 1       |
| m,p-Xylene                | ND          |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 20:20 | 1       |
| p-Isopropyltoluene        | ND          |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 20:20 | 1       |
| sec-Butylbenzene          | ND          |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 20:20 | 1       |
| Styrene                   | ND          |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 20:20 | 1       |
| trans-1,2-Dichloroethene  | ND          |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 20:20 | 1       |
| trans-1,3-Dichloropropene | ND          |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 20:20 | 1       |
| tert-Butylbenzene         | ND          |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 20:20 | 1       |
| <b>Tetrachloroethene</b>  | <b>0.76</b> |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 20:20 | 1       |
| Toluene                   | ND          |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 20:20 | 1       |
| Trichloroethene           | ND          |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 20:20 | 1       |
| Trichlorofluoromethane    | ND          |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 20:20 | 1       |
| Vinyl acetate             | ND          |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 20:20 | 1       |
| Vinyl chloride            | ND          |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 20:20 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 110       |           | 68 - 135 |          | 08/14/21 20:20 | 1       |
| 4-Bromofluorobenzene (Surr)  | 91        |           | 71 - 120 |          | 08/14/21 20:20 | 1       |
| Dibromofluoromethane         | 105       |           | 80 - 120 |          | 08/14/21 20:20 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 120 |          | 08/14/21 20:20 | 1       |

Client Sample ID: UA-12

Date Collected: 08/05/21 12:15

Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-22

Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 20:45 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 20:45 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 20:45 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 20:45 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 20:45 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 20:45 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 20:45 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 20:45 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 20:45 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 20:45 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 20:45 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 20:45 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 20:45 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 20:45 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 20:45 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 20:45 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 20:45 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 20:45 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 20:45 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 20:45 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 20:45 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 20:45 | 1       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UA-12  
Date Collected: 08/05/21 12:15  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-22  
Matrix: Water

| Analyte                     | Result        | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|---------------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND            |           | 5.0  | 3.0  | ug/L |   |          | 08/14/21 20:45 | 1       |
| 2-Chlorotoluene             | ND            |           | 0.50 | 0.31 | ug/L |   |          | 08/14/21 20:45 | 1       |
| 2-Hexanone                  | ND            |           | 6.0  | 4.3  | ug/L |   |          | 08/14/21 20:45 | 1       |
| 4-Chlorotoluene             | ND            |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 20:45 | 1       |
| 4-Methyl-2-pentanone        | ND            |           | 5.0  | 2.2  | ug/L |   |          | 08/14/21 20:45 | 1       |
| Acetone                     | ND            |           | 8.0  | 4.0  | ug/L |   |          | 08/14/21 20:45 | 1       |
| Benzene                     | ND            |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 20:45 | 1       |
| Bromobenzene                | ND            |           | 0.50 | 0.26 | ug/L |   |          | 08/14/21 20:45 | 1       |
| Bromochloromethane          | ND            |           | 1.0  | 0.35 | ug/L |   |          | 08/14/21 20:45 | 1       |
| Bromodichloromethane        | ND            |           | 0.50 | 0.22 | ug/L |   |          | 08/14/21 20:45 | 1       |
| Bromoform                   | ND            |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 20:45 | 1       |
| Bromomethane                | ND            |           | 1.0  | 0.93 | ug/L |   |          | 08/14/21 20:45 | 1       |
| cis-1,2-Dichloroethene      | ND            |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 20:45 | 1       |
| cis-1,3-Dichloropropene     | ND            |           | 0.50 | 0.19 | ug/L |   |          | 08/14/21 20:45 | 1       |
| Carbon disulfide            | ND            |           | 1.0  | 0.24 | ug/L |   |          | 08/14/21 20:45 | 1       |
| Carbon tetrachloride        | ND            |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 20:45 | 1       |
| Chlorobenzene               | ND            |           | 0.50 | 0.24 | ug/L |   |          | 08/14/21 20:45 | 1       |
| Chloroethane                | ND            |           | 0.50 | 0.44 | ug/L |   |          | 08/14/21 20:45 | 1       |
| Chloroform                  | ND            |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 20:45 | 1       |
| Chloromethane               | ND            |           | 1.0  | 0.29 | ug/L |   |          | 08/14/21 20:45 | 1       |
| Dibromochloromethane        | ND            |           | 0.50 | 0.27 | ug/L |   |          | 08/14/21 20:45 | 1       |
| Dibromomethane              | ND            |           | 0.50 | 0.23 | ug/L |   |          | 08/14/21 20:45 | 1       |
| Dichlorodifluoromethane     | ND            |           | 1.0  | 0.68 | ug/L |   |          | 08/14/21 20:45 | 1       |
| Ethylbenzene                | ND            |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 20:45 | 1       |
| Isopropylbenzene            | ND            |           | 0.50 | 0.38 | ug/L |   |          | 08/14/21 20:45 | 1       |
| Methylene Chloride          | ND            |           | 1.0  | 0.48 | ug/L |   |          | 08/14/21 20:45 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND            |           | 0.50 | 0.21 | ug/L |   |          | 08/14/21 20:45 | 1       |
| Naphthalene                 | ND            |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 20:45 | 1       |
| n-Butylbenzene              | ND            |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 20:45 | 1       |
| N-Propylbenzene             | ND            |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 20:45 | 1       |
| o-Xylene                    | ND            |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 20:45 | 1       |
| m,p-Xylene                  | ND            |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 20:45 | 1       |
| p-Isopropyltoluene          | ND            |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 20:45 | 1       |
| sec-Butylbenzene            | ND            |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 20:45 | 1       |
| Styrene                     | ND            |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 20:45 | 1       |
| trans-1,2-Dichloroethene    | ND            |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 20:45 | 1       |
| trans-1,3-Dichloropropene   | ND            |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 20:45 | 1       |
| tert-Butylbenzene           | ND            |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 20:45 | 1       |
| <b>Tetrachloroethene</b>    | <b>0.88</b>   |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 20:45 | 1       |
| Toluene                     | ND            |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 20:45 | 1       |
| <b>Trichloroethene</b>      | <b>0.36 J</b> |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 20:45 | 1       |
| Trichlorofluoromethane      | ND            |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 20:45 | 1       |
| Vinyl acetate               | ND            |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 20:45 | 1       |
| Vinyl chloride              | ND            |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 20:45 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 109       |           | 68 - 135 |          | 08/14/21 20:45 | 1       |
| 4-Bromofluorobenzene (Surr)  | 90        |           | 71 - 120 |          | 08/14/21 20:45 | 1       |
| Dibromofluoromethane         | 106       |           | 80 - 120 |          | 08/14/21 20:45 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 120 |          | 08/14/21 20:45 | 1       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: UA-14D  
Date Collected: 08/05/21 12:30  
Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-23  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 21:11 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 21:11 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 21:11 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 08/14/21 21:11 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 08/14/21 21:11 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 08/14/21 21:11 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 21:11 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 21:11 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 21:11 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 08/14/21 21:11 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 21:11 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 08/14/21 21:11 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 08/14/21 21:11 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 08/14/21 21:11 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 21:11 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 08/14/21 21:11 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 21:11 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 21:11 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 21:11 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 08/14/21 21:11 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 21:11 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 08/14/21 21:11 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 08/14/21 21:11 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 08/14/21 21:11 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 08/14/21 21:11 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 08/14/21 21:11 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 08/14/21 21:11 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 08/14/21 21:11 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 21:11 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 08/14/21 21:11 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 08/14/21 21:11 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 08/14/21 21:11 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 08/14/21 21:11 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 08/14/21 21:11 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 08/14/21 21:11 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 08/14/21 21:11 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 08/14/21 21:11 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 21:11 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 08/14/21 21:11 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 08/14/21 21:11 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 08/14/21 21:11 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 08/14/21 21:11 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 08/14/21 21:11 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 08/14/21 21:11 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 08/14/21 21:11 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 08/14/21 21:11 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 08/14/21 21:11 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 08/14/21 21:11 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 08/14/21 21:11 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UA-14D

Date Collected: 08/05/21 12:30

Date Received: 08/05/21 16:36

Lab Sample ID: 570-66367-23

Matrix: Water

| Analyte                   | Result        | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|---------------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND            |           | 1.0  | 0.32 | ug/L |   |          | 08/14/21 21:11 | 1       |
| n-Butylbenzene            | ND            |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 21:11 | 1       |
| N-Propylbenzene           | ND            |           | 0.50 | 0.39 | ug/L |   |          | 08/14/21 21:11 | 1       |
| o-Xylene                  | ND            |           | 0.50 | 0.35 | ug/L |   |          | 08/14/21 21:11 | 1       |
| m,p-Xylene                | ND            |           | 1.0  | 0.78 | ug/L |   |          | 08/14/21 21:11 | 1       |
| p-Isopropyltoluene        | ND            |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 21:11 | 1       |
| sec-Butylbenzene          | ND            |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 21:11 | 1       |
| Styrene                   | ND            |           | 0.50 | 0.28 | ug/L |   |          | 08/14/21 21:11 | 1       |
| trans-1,2-Dichloroethene  | ND            |           | 0.50 | 0.36 | ug/L |   |          | 08/14/21 21:11 | 1       |
| trans-1,3-Dichloropropene | ND            |           | 0.50 | 0.17 | ug/L |   |          | 08/14/21 21:11 | 1       |
| tert-Butylbenzene         | ND            |           | 0.50 | 0.34 | ug/L |   |          | 08/14/21 21:11 | 1       |
| <b>Tetrachloroethene</b>  | <b>26</b>     |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 21:11 | 1       |
| Toluene                   | ND            |           | 0.50 | 0.33 | ug/L |   |          | 08/14/21 21:11 | 1       |
| <b>Trichloroethene</b>    | <b>0.49 J</b> |           | 0.50 | 0.29 | ug/L |   |          | 08/14/21 21:11 | 1       |
| Trichlorofluoromethane    | ND            |           | 0.50 | 0.30 | ug/L |   |          | 08/14/21 21:11 | 1       |
| Vinyl acetate             | ND            |           | 5.0  | 3.1  | ug/L |   |          | 08/14/21 21:11 | 1       |
| Vinyl chloride            | ND            |           | 0.50 | 0.40 | ug/L |   |          | 08/14/21 21:11 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 109       |           | 68 - 135 |          | 08/14/21 21:11 | 1       |
| 4-Bromofluorobenzene (Surr)  | 89        |           | 71 - 120 |          | 08/14/21 21:11 | 1       |
| Dibromofluoromethane         | 105       |           | 80 - 120 |          | 08/14/21 21:11 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 120 |          | 08/14/21 21:11 | 1       |

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

**Client Sample ID: S-07**  
**Date Collected: 08/05/21 08:45**  
**Date Received: 08/05/21 16:36**

**Lab Sample ID: 570-66367-2**  
**Matrix: Water**

| Analyte                      | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Tetrachloroethene            | ND        |           | 0.50     | 0.29 | ug/L |   |          | 08/16/21 23:50 | 1       |
| Trichloroethene              | ND        |           | 0.50     | 0.29 | ug/L |   |          | 08/16/21 23:50 | 1       |
| Surrogate                    | %Recovery | Qualifier | Limits   |      |      |   | Prepared | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 68 - 135 |      |      |   |          | 08/16/21 23:50 | 1       |
| 4-Bromofluorobenzene (Surr)  | 96        |           | 71 - 120 |      |      |   |          | 08/16/21 23:50 | 1       |
| Dibromofluoromethane         | 95        |           | 80 - 120 |      |      |   |          | 08/16/21 23:50 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 120 |      |      |   |          | 08/16/21 23:50 | 1       |

**Client Sample ID: UA-02**  
**Date Collected: 08/05/21 08:55**  
**Date Received: 08/05/21 16:36**

**Lab Sample ID: 570-66367-3**  
**Matrix: Water**

| Analyte                      | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Tetrachloroethene            | ND        |           | 0.50     | 0.29 | ug/L |   |          | 08/17/21 00:18 | 1       |
| Surrogate                    | %Recovery | Qualifier | Limits   |      |      |   | Prepared | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 111       |           | 68 - 135 |      |      |   |          | 08/17/21 00:18 | 1       |
| 4-Bromofluorobenzene (Surr)  | 96        |           | 71 - 120 |      |      |   |          | 08/17/21 00:18 | 1       |
| Dibromofluoromethane         | 101       |           | 80 - 120 |      |      |   |          | 08/17/21 00:18 | 1       |
| Toluene-d8 (Surr)            | 97        |           | 80 - 120 |      |      |   |          | 08/17/21 00:18 | 1       |

# Surrogate Summary

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID     | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                 |                  |                 |
|-------------------|------------------------|------------------------------------------------|-----------------|------------------|-----------------|
|                   |                        | DCA<br>(68-135)                                | BFB<br>(71-120) | DBFM<br>(80-120) | TOL<br>(80-120) |
| 570-66240-A-4 MS  | Matrix Spike           | 105                                            | 101             | 105              | 99              |
| 570-66240-A-4 MSD | Matrix Spike Duplicate | 104                                            | 100             | 101              | 99              |
| 570-66343-A-6 MS  | Matrix Spike           | 101                                            | 103             | 102              | 102             |
| 570-66343-A-6 MSD | Matrix Spike Duplicate | 103                                            | 101             | 106              | 101             |
| 570-66367-1       | TB-080521              | 105                                            | 94              | 106              | 102             |
| 570-66367-2       | S-07                   | 106                                            | 97              | 104              | 100             |
| 570-66367-2 - RA  | S-07                   | 103                                            | 96              | 95               | 101             |
| 570-66367-3       | UA-02                  | 105                                            | 94              | 102              | 100             |
| 570-66367-3 - RA  | UA-02                  | 111                                            | 96              | 101              | 97              |
| 570-66367-4       | UA-08D                 | 105                                            | 97              | 101              | 101             |
| 570-66367-5       | UA-08                  | 107                                            | 94              | 104              | 102             |
| 570-66367-6       | RB-080521A             | 100                                            | 96              | 101              | 101             |
| 570-66367-7       | SE-04                  | 108                                            | 94              | 104              | 103             |
| 570-66367-8       | SE-0400                | 105                                            | 94              | 102              | 99              |
| 570-66367-9       | S-15                   | 106                                            | 94              | 104              | 102             |
| 570-66367-10      | S-02                   | 104                                            | 95              | 102              | 101             |
| 570-66367-11      | S-08                   | 100                                            | 96              | 100              | 105             |
| 570-66367-12      | SE-01                  | 110                                            | 90              | 102              | 106             |
| 570-66367-13      | UA-10D                 | 113                                            | 90              | 104              | 101             |
| 570-66367-14      | RB-080521B             | 112                                            | 92              | 105              | 100             |
| 570-66367-15      | UA-11D                 | 113                                            | 90              | 104              | 102             |
| 570-66367-16      | UA-11                  | 112                                            | 92              | 105              | 99              |
| 570-66367-17      | S-30                   | 109                                            | 93              | 105              | 100             |
| 570-66367-18      | S-3000                 | 110                                            | 92              | 103              | 102             |
| 570-66367-19      | S-31                   | 107                                            | 91              | 102              | 101             |
| 570-66367-20      | S-29                   | 106                                            | 91              | 104              | 100             |
| 570-66367-21      | UA-12D                 | 110                                            | 91              | 105              | 101             |
| 570-66367-22      | UA-12                  | 109                                            | 90              | 106              | 102             |
| 570-66367-23      | UA-14D                 | 109                                            | 89              | 105              | 101             |
| LCS 570-171352/3  | Lab Control Sample     | 101                                            | 102             | 104              | 99              |
| LCS 570-171354/3  | Lab Control Sample     | 103                                            | 102             | 103              | 100             |
| LCS 570-171756/3  | Lab Control Sample     | 112                                            | 99              | 103              | 98              |
| LCSD 570-171352/4 | Lab Control Sample Dup | 105                                            | 103             | 104              | 100             |
| LCSD 570-171354/4 | Lab Control Sample Dup | 101                                            | 103             | 102              | 101             |
| LCSD 570-171756/4 | Lab Control Sample Dup | 109                                            | 97              | 99               | 99              |
| MB 570-171352/6   | Method Blank           | 104                                            | 95              | 103              | 103             |
| MB 570-171354/6   | Method Blank           | 105                                            | 94              | 100              | 99              |
| MB 570-171756/7   | Method Blank           | 108                                            | 98              | 102              | 100             |

## Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-171352/6

Matrix: Water

Analysis Batch: 171352

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB Result | MB Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND        |              | 0.50 | 0.26  | ug/L |   |          | 08/14/21 13:08 | 1       |
| 1,1,1-Trichloroethane                 | ND        |              | 0.50 | 0.27  | ug/L |   |          | 08/14/21 13:08 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND        |              | 0.50 | 0.19  | ug/L |   |          | 08/14/21 13:08 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND        |              | 0.50 | 0.25  | ug/L |   |          | 08/14/21 13:08 | 1       |
| 1,1,2-Trichloroethane                 | ND        |              | 0.50 | 0.085 | ug/L |   |          | 08/14/21 13:08 | 1       |
| 1,1-Dichloroethane                    | ND        |              | 0.50 | 0.35  | ug/L |   |          | 08/14/21 13:08 | 1       |
| 1,1-Dichloroethene                    | ND        |              | 0.50 | 0.39  | ug/L |   |          | 08/14/21 13:08 | 1       |
| 1,1-Dichloropropene                   | ND        |              | 0.50 | 0.24  | ug/L |   |          | 08/14/21 13:08 | 1       |
| 1,2,3-Trichlorobenzene                | ND        |              | 0.50 | 0.28  | ug/L |   |          | 08/14/21 13:08 | 1       |
| 1,2,3-Trichloropropane                | ND        |              | 0.50 | 0.32  | ug/L |   |          | 08/14/21 13:08 | 1       |
| 1,2,4-Trichlorobenzene                | ND        |              | 0.50 | 0.38  | ug/L |   |          | 08/14/21 13:08 | 1       |
| 1,2,4-Trimethylbenzene                | ND        |              | 0.50 | 0.29  | ug/L |   |          | 08/14/21 13:08 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND        |              | 1.0  | 0.64  | ug/L |   |          | 08/14/21 13:08 | 1       |
| 1,2-Dibromoethane                     | ND        |              | 0.50 | 0.14  | ug/L |   |          | 08/14/21 13:08 | 1       |
| 1,2-Dichlorobenzene                   | ND        |              | 0.50 | 0.23  | ug/L |   |          | 08/14/21 13:08 | 1       |
| 1,2-Dichloroethane                    | ND        |              | 0.50 | 0.15  | ug/L |   |          | 08/14/21 13:08 | 1       |
| 1,2-Dichloropropane                   | ND        |              | 0.50 | 0.24  | ug/L |   |          | 08/14/21 13:08 | 1       |
| 1,3,5-Trimethylbenzene                | ND        |              | 0.50 | 0.28  | ug/L |   |          | 08/14/21 13:08 | 1       |
| 1,3-Dichlorobenzene                   | ND        |              | 0.50 | 0.26  | ug/L |   |          | 08/14/21 13:08 | 1       |
| 1,3-Dichloropropane                   | ND        |              | 0.50 | 0.20  | ug/L |   |          | 08/14/21 13:08 | 1       |
| 1,4-Dichlorobenzene                   | ND        |              | 0.50 | 0.22  | ug/L |   |          | 08/14/21 13:08 | 1       |
| 2,2-Dichloropropane                   | ND        |              | 0.50 | 0.40  | ug/L |   |          | 08/14/21 13:08 | 1       |
| 2-Butanone                            | ND        |              | 5.0  | 3.0   | ug/L |   |          | 08/14/21 13:08 | 1       |
| 2-Chlorotoluene                       | ND        |              | 0.50 | 0.31  | ug/L |   |          | 08/14/21 13:08 | 1       |
| 2-Hexanone                            | ND        |              | 6.0  | 4.3   | ug/L |   |          | 08/14/21 13:08 | 1       |
| 4-Chlorotoluene                       | ND        |              | 0.50 | 0.34  | ug/L |   |          | 08/14/21 13:08 | 1       |
| 4-Methyl-2-pentanone                  | ND        |              | 5.0  | 2.2   | ug/L |   |          | 08/14/21 13:08 | 1       |
| Acetone                               | ND        |              | 8.0  | 4.0   | ug/L |   |          | 08/14/21 13:08 | 1       |
| Benzene                               | ND        |              | 0.50 | 0.27  | ug/L |   |          | 08/14/21 13:08 | 1       |
| Bromobenzene                          | ND        |              | 0.50 | 0.26  | ug/L |   |          | 08/14/21 13:08 | 1       |
| Bromochloromethane                    | ND        |              | 1.0  | 0.35  | ug/L |   |          | 08/14/21 13:08 | 1       |
| Bromodichloromethane                  | ND        |              | 0.50 | 0.22  | ug/L |   |          | 08/14/21 13:08 | 1       |
| Bromoform                             | ND        |              | 0.50 | 0.39  | ug/L |   |          | 08/14/21 13:08 | 1       |
| Bromomethane                          | ND        |              | 1.0  | 0.93  | ug/L |   |          | 08/14/21 13:08 | 1       |
| cis-1,2-Dichloroethene                | ND        |              | 0.50 | 0.30  | ug/L |   |          | 08/14/21 13:08 | 1       |
| cis-1,3-Dichloropropene               | ND        |              | 0.50 | 0.19  | ug/L |   |          | 08/14/21 13:08 | 1       |
| Carbon disulfide                      | ND        |              | 1.0  | 0.24  | ug/L |   |          | 08/14/21 13:08 | 1       |
| Carbon tetrachloride                  | ND        |              | 0.50 | 0.27  | ug/L |   |          | 08/14/21 13:08 | 1       |
| Chlorobenzene                         | ND        |              | 0.50 | 0.24  | ug/L |   |          | 08/14/21 13:08 | 1       |
| Chloroethane                          | ND        |              | 0.50 | 0.44  | ug/L |   |          | 08/14/21 13:08 | 1       |
| Chloroform                            | ND        |              | 0.50 | 0.28  | ug/L |   |          | 08/14/21 13:08 | 1       |
| Chloromethane                         | ND        |              | 1.0  | 0.29  | ug/L |   |          | 08/14/21 13:08 | 1       |
| Dibromochloromethane                  | ND        |              | 0.50 | 0.27  | ug/L |   |          | 08/14/21 13:08 | 1       |
| Dibromomethane                        | ND        |              | 0.50 | 0.23  | ug/L |   |          | 08/14/21 13:08 | 1       |
| Dichlorodifluoromethane               | ND        |              | 1.0  | 0.68  | ug/L |   |          | 08/14/21 13:08 | 1       |
| Ethylbenzene                          | ND        |              | 0.50 | 0.36  | ug/L |   |          | 08/14/21 13:08 | 1       |
| Isopropylbenzene                      | ND        |              | 0.50 | 0.38  | ug/L |   |          | 08/14/21 13:08 | 1       |
| Methylene Chloride                    | ND        |              | 1.0  | 0.48  | ug/L |   |          | 08/14/21 13:08 | 1       |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-171352/6

Matrix: Water

Analysis Batch: 171352

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|------|------|------|---|----------|----------------|---------|
| Methyl-t-Butyl Ether (MTBE) | ND        |              | 0.50 | 0.21 | ug/L |   |          | 08/14/21 13:08 | 1       |
| Naphthalene                 | ND        |              | 1.0  | 0.32 | ug/L |   |          | 08/14/21 13:08 | 1       |
| n-Butylbenzene              | ND        |              | 0.50 | 0.29 | ug/L |   |          | 08/14/21 13:08 | 1       |
| N-Propylbenzene             | ND        |              | 0.50 | 0.39 | ug/L |   |          | 08/14/21 13:08 | 1       |
| o-Xylene                    | ND        |              | 0.50 | 0.35 | ug/L |   |          | 08/14/21 13:08 | 1       |
| m,p-Xylene                  | ND        |              | 1.0  | 0.78 | ug/L |   |          | 08/14/21 13:08 | 1       |
| p-Isopropyltoluene          | ND        |              | 0.50 | 0.28 | ug/L |   |          | 08/14/21 13:08 | 1       |
| sec-Butylbenzene            | ND        |              | 0.50 | 0.34 | ug/L |   |          | 08/14/21 13:08 | 1       |
| Styrene                     | ND        |              | 0.50 | 0.28 | ug/L |   |          | 08/14/21 13:08 | 1       |
| trans-1,2-Dichloroethene    | ND        |              | 0.50 | 0.36 | ug/L |   |          | 08/14/21 13:08 | 1       |
| trans-1,3-Dichloropropene   | ND        |              | 0.50 | 0.17 | ug/L |   |          | 08/14/21 13:08 | 1       |
| tert-Butylbenzene           | ND        |              | 0.50 | 0.34 | ug/L |   |          | 08/14/21 13:08 | 1       |
| Tetrachloroethene           | ND        |              | 0.50 | 0.29 | ug/L |   |          | 08/14/21 13:08 | 1       |
| Toluene                     | ND        |              | 0.50 | 0.33 | ug/L |   |          | 08/14/21 13:08 | 1       |
| Trichloroethene             | ND        |              | 0.50 | 0.29 | ug/L |   |          | 08/14/21 13:08 | 1       |
| Trichlorofluoromethane      | ND        |              | 0.50 | 0.30 | ug/L |   |          | 08/14/21 13:08 | 1       |
| Vinyl acetate               | ND        |              | 5.0  | 3.1  | ug/L |   |          | 08/14/21 13:08 | 1       |
| Vinyl chloride              | ND        |              | 0.50 | 0.40 | ug/L |   |          | 08/14/21 13:08 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104          |              | 68 - 135 |          | 08/14/21 13:08 | 1       |
| 4-Bromofluorobenzene (Surr)  | 95           |              | 71 - 120 |          | 08/14/21 13:08 | 1       |
| Dibromofluoromethane         | 103          |              | 80 - 120 |          | 08/14/21 13:08 | 1       |
| Toluene-d8 (Surr)            | 103          |              | 80 - 120 |          | 08/14/21 13:08 | 1       |

Lab Sample ID: LCS 570-171352/3

Matrix: Water

Analysis Batch: 171352

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,1,1,2-Tetrachloroethane             | 10.0        | 9.680      |               | ug/L |   | 97   | 76 - 143     |
| 1,1,1-Trichloroethane                 | 10.0        | 9.575      |               | ug/L |   | 96   | 75 - 128     |
| 1,1,2,2-Tetrachloroethane             | 10.0        | 10.26      |               | ug/L |   | 103  | 73 - 126     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0        | 11.25      |               | ug/L |   | 112  | 50 - 120     |
| 1,1,2-Trichloroethane                 | 10.0        | 9.418      |               | ug/L |   | 94   | 80 - 120     |
| 1,1-Dichloroethane                    | 10.0        | 9.866      |               | ug/L |   | 99   | 76 - 120     |
| 1,1-Dichloroethene                    | 10.0        | 10.02      |               | ug/L |   | 100  | 72 - 120     |
| 1,1-Dichloropropene                   | 10.0        | 10.22      |               | ug/L |   | 102  | 76 - 120     |
| 1,2,3-Trichlorobenzene                | 10.0        | 9.872      |               | ug/L |   | 99   | 80 - 125     |
| 1,2,3-Trichloropropane                | 10.0        | 9.142      |               | ug/L |   | 91   | 66 - 131     |
| 1,2,4-Trichlorobenzene                | 10.0        | 10.49      |               | ug/L |   | 105  | 80 - 123     |
| 1,2,4-Trimethylbenzene                | 10.0        | 9.981      |               | ug/L |   | 100  | 78 - 125     |
| 1,2-Dibromo-3-Chloropropane           | 10.0        | 9.023      |               | ug/L |   | 90   | 77 - 120     |
| 1,2-Dibromoethane                     | 10.0        | 9.515      |               | ug/L |   | 95   | 80 - 120     |
| 1,2-Dichlorobenzene                   | 10.0        | 10.05      |               | ug/L |   | 100  | 79 - 123     |
| 1,2-Dichloroethane                    | 10.0        | 9.834      |               | ug/L |   | 98   | 71 - 137     |
| 1,2-Dichloropropane                   | 10.0        | 9.630      |               | ug/L |   | 96   | 80 - 120     |
| 1,3,5-Trimethylbenzene                | 10.0        | 9.852      |               | ug/L |   | 99   | 77 - 133     |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-171352/3

Matrix: Water

Analysis Batch: 171352

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,3-Dichlorobenzene         | 10.0        | 9.937      |               | ug/L |   | 99   | 79 - 123     |
| 1,3-Dichloropropane         | 10.0        | 9.940      |               | ug/L |   | 99   | 80 - 123     |
| 1,4-Dichlorobenzene         | 10.0        | 9.669      |               | ug/L |   | 97   | 75 - 123     |
| 2,2-Dichloropropane         | 10.0        | 10.78      |               | ug/L |   | 108  | 78 - 133     |
| 2-Butanone                  | 10.0        | 9.476      |               | ug/L |   | 95   | 32 - 133     |
| 2-Chlorotoluene             | 10.0        | 9.600      |               | ug/L |   | 96   | 80 - 120     |
| 2-Hexanone                  | 10.0        | 9.423      |               | ug/L |   | 94   | 57 - 127     |
| 4-Chlorotoluene             | 10.0        | 9.823      |               | ug/L |   | 98   | 78 - 120     |
| 4-Methyl-2-pentanone        | 10.0        | 9.411      |               | ug/L |   | 94   | 68 - 120     |
| Acetone                     | 10.0        | 9.729      |               | ug/L |   | 97   | 57 - 133     |
| Benzene                     | 10.0        | 9.580      |               | ug/L |   | 96   | 80 - 120     |
| Bromobenzene                | 10.0        | 10.13      |               | ug/L |   | 101  | 80 - 124     |
| Bromochloromethane          | 10.0        | 9.937      |               | ug/L |   | 99   | 76 - 125     |
| Bromodichloromethane        | 10.0        | 9.669      |               | ug/L |   | 97   | 77 - 141     |
| Bromoform                   | 10.0        | 9.561      |               | ug/L |   | 96   | 46 - 178     |
| Bromomethane                | 10.0        | 8.736      |               | ug/L |   | 87   | 52 - 162     |
| cis-1,2-Dichloroethene      | 10.0        | 10.05      |               | ug/L |   | 100  | 76 - 122     |
| cis-1,3-Dichloropropene     | 10.0        | 9.597      |               | ug/L |   | 96   | 80 - 122     |
| Carbon disulfide            | 10.0        | 9.701      |               | ug/L |   | 97   | 66 - 125     |
| Carbon tetrachloride        | 10.0        | 9.764      |               | ug/L |   | 98   | 69 - 145     |
| Chlorobenzene               | 10.0        | 9.824      |               | ug/L |   | 98   | 80 - 120     |
| Chloroethane                | 10.0        | 8.713      |               | ug/L |   | 87   | 73 - 139     |
| Chloroform                  | 10.0        | 9.696      |               | ug/L |   | 97   | 80 - 120     |
| Chloromethane               | 10.0        | 11.14      |               | ug/L |   | 111  | 35 - 159     |
| Dibromochloromethane        | 10.0        | 10.15      |               | ug/L |   | 102  | 63 - 151     |
| Dibromomethane              | 10.0        | 10.07      |               | ug/L |   | 101  | 80 - 121     |
| Dichlorodifluoromethane     | 10.0        | 7.371      |               | ug/L |   | 74   | 59 - 139     |
| Ethylbenzene                | 10.0        | 10.04      |               | ug/L |   | 100  | 80 - 120     |
| Isopropylbenzene            | 10.0        | 9.762      |               | ug/L |   | 98   | 80 - 124     |
| Methylene Chloride          | 10.0        | 9.733      |               | ug/L |   | 97   | 70 - 120     |
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 9.796      |               | ug/L |   | 98   | 72 - 120     |
| Naphthalene                 | 10.0        | 9.837      |               | ug/L |   | 98   | 75 - 120     |
| n-Butylbenzene              | 10.0        | 10.10      |               | ug/L |   | 101  | 76 - 124     |
| N-Propylbenzene             | 10.0        | 10.12      |               | ug/L |   | 101  | 80 - 122     |
| o-Xylene                    | 10.0        | 9.814      |               | ug/L |   | 98   | 80 - 122     |
| m,p-Xylene                  | 20.0        | 19.83      |               | ug/L |   | 99   | 80 - 122     |
| p-Isopropyltoluene          | 10.0        | 9.835      |               | ug/L |   | 98   | 77 - 127     |
| sec-Butylbenzene            | 10.0        | 9.833      |               | ug/L |   | 98   | 75 - 123     |
| Styrene                     | 10.0        | 9.863      |               | ug/L |   | 99   | 80 - 121     |
| trans-1,2-Dichloroethene    | 10.0        | 9.137      |               | ug/L |   | 91   | 67 - 123     |
| trans-1,3-Dichloropropene   | 10.0        | 10.09      |               | ug/L |   | 101  | 78 - 140     |
| tert-Butylbenzene           | 10.0        | 9.645      |               | ug/L |   | 96   | 72 - 128     |
| Tetrachloroethene           | 10.0        | 9.964      |               | ug/L |   | 100  | 80 - 128     |
| Toluene                     | 10.0        | 9.738      |               | ug/L |   | 97   | 80 - 120     |
| Trichloroethene             | 10.0        | 9.229      |               | ug/L |   | 92   | 80 - 123     |
| Trichlorofluoromethane      | 10.0        | 10.14      |               | ug/L |   | 101  | 64 - 168     |
| Vinyl acetate               | 10.0        | 12.25      |               | ug/L |   | 123  | 75 - 144     |
| Vinyl chloride              | 10.0        | 8.599      |               | ug/L |   | 86   | 74 - 130     |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-171352/3

Matrix: Water

Analysis Batch: 171352

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

|                              | LCS       | LCS       |          |
|------------------------------|-----------|-----------|----------|
| Surrogate                    | %Recovery | Qualifier | Limits   |
| 1,2-Dichloroethane-d4 (Surr) | 101       |           | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 102       |           | 71 - 120 |
| Dibromofluoromethane         | 104       |           | 80 - 120 |
| Toluene-d8 (Surr)            | 99        |           | 80 - 120 |

Lab Sample ID: LCSD 570-171352/4

Matrix: Water

Analysis Batch: 171352

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane             | 10.0        | 9.822       |                | ug/L |   | 98   | 76 - 143     | 1   | 20        |
| 1,1,1-Trichloroethane                 | 10.0        | 10.17       |                | ug/L |   | 102  | 75 - 128     | 6   | 20        |
| 1,1,2,2-Tetrachloroethane             | 10.0        | 10.29       |                | ug/L |   | 103  | 73 - 126     | 0   | 21        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0        | 11.53       |                | ug/L |   | 115  | 50 - 120     | 3   | 20        |
| 1,1,2-Trichloroethane                 | 10.0        | 9.871       |                | ug/L |   | 99   | 80 - 120     | 5   | 20        |
| 1,1-Dichloroethane                    | 10.0        | 10.11       |                | ug/L |   | 101  | 76 - 120     | 2   | 20        |
| 1,1-Dichloroethene                    | 10.0        | 10.74       |                | ug/L |   | 107  | 72 - 120     | 7   | 20        |
| 1,1-Dichloropropene                   | 10.0        | 10.67       |                | ug/L |   | 107  | 76 - 120     | 4   | 20        |
| 1,2,3-Trichlorobenzene                | 10.0        | 10.38       |                | ug/L |   | 104  | 80 - 125     | 5   | 22        |
| 1,2,3-Trichloropropane                | 10.0        | 9.761       |                | ug/L |   | 98   | 66 - 131     | 7   | 20        |
| 1,2,4-Trichlorobenzene                | 10.0        | 10.61       |                | ug/L |   | 106  | 80 - 123     | 1   | 20        |
| 1,2,4-Trimethylbenzene                | 10.0        | 10.29       |                | ug/L |   | 103  | 78 - 125     | 3   | 22        |
| 1,2-Dibromo-3-Chloropropane           | 10.0        | 9.462       |                | ug/L |   | 95   | 77 - 120     | 5   | 21        |
| 1,2-Dibromoethane                     | 10.0        | 9.770       |                | ug/L |   | 98   | 80 - 120     | 3   | 20        |
| 1,2-Dichlorobenzene                   | 10.0        | 10.44       |                | ug/L |   | 104  | 79 - 123     | 4   | 20        |
| 1,2-Dichloroethane                    | 10.0        | 10.43       |                | ug/L |   | 104  | 71 - 137     | 6   | 20        |
| 1,2-Dichloropropane                   | 10.0        | 10.31       |                | ug/L |   | 103  | 80 - 120     | 7   | 20        |
| 1,3,5-Trimethylbenzene                | 10.0        | 10.29       |                | ug/L |   | 103  | 77 - 133     | 4   | 20        |
| 1,3-Dichlorobenzene                   | 10.0        | 10.28       |                | ug/L |   | 103  | 79 - 123     | 3   | 20        |
| 1,3-Dichloropropane                   | 10.0        | 10.53       |                | ug/L |   | 105  | 80 - 123     | 6   | 20        |
| 1,4-Dichlorobenzene                   | 10.0        | 9.862       |                | ug/L |   | 99   | 75 - 123     | 2   | 22        |
| 2,2-Dichloropropane                   | 10.0        | 11.18       |                | ug/L |   | 112  | 78 - 133     | 4   | 20        |
| 2-Butanone                            | 10.0        | 10.69       |                | ug/L |   | 107  | 32 - 133     | 12  | 26        |
| 2-Chlorotoluene                       | 10.0        | 10.08       |                | ug/L |   | 101  | 80 - 120     | 5   | 20        |
| 2-Hexanone                            | 10.0        | 9.191       |                | ug/L |   | 92   | 57 - 127     | 2   | 21        |
| 4-Chlorotoluene                       | 10.0        | 10.11       |                | ug/L |   | 101  | 78 - 120     | 3   | 21        |
| 4-Methyl-2-pentanone                  | 10.0        | 10.73       |                | ug/L |   | 107  | 68 - 120     | 13  | 20        |
| Acetone                               | 10.0        | 10.93       |                | ug/L |   | 109  | 57 - 133     | 12  | 28        |
| Benzene                               | 10.0        | 10.08       |                | ug/L |   | 101  | 80 - 120     | 5   | 20        |
| Bromobenzene                          | 10.0        | 10.44       |                | ug/L |   | 104  | 80 - 124     | 3   | 20        |
| Bromochloromethane                    | 10.0        | 10.36       |                | ug/L |   | 104  | 76 - 125     | 4   | 20        |
| Bromodichloromethane                  | 10.0        | 10.07       |                | ug/L |   | 101  | 77 - 141     | 4   | 20        |
| Bromoform                             | 10.0        | 9.941       |                | ug/L |   | 99   | 46 - 178     | 4   | 23        |
| Bromomethane                          | 10.0        | 9.677       |                | ug/L |   | 97   | 52 - 162     | 10  | 20        |
| cis-1,2-Dichloroethene                | 10.0        | 10.48       |                | ug/L |   | 105  | 76 - 122     | 4   | 20        |
| cis-1,3-Dichloropropene               | 10.0        | 10.09       |                | ug/L |   | 101  | 80 - 122     | 5   | 20        |
| Carbon disulfide                      | 10.0        | 10.33       |                | ug/L |   | 103  | 66 - 125     | 6   | 20        |
| Carbon tetrachloride                  | 10.0        | 10.48       |                | ug/L |   | 105  | 69 - 145     | 7   | 20        |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-171352/4

Matrix: Water

Analysis Batch: 171352

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                     | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Chlorobenzene               | 10.0        | 10.14       |                | ug/L |   | 101  | 80 - 120     | 3   | 20        |
| Chloroethane                | 10.0        | 9.399       |                | ug/L |   | 94   | 73 - 139     | 8   | 20        |
| Chloroform                  | 10.0        | 10.20       |                | ug/L |   | 102  | 80 - 120     | 5   | 20        |
| Chloromethane               | 10.0        | 11.82       |                | ug/L |   | 118  | 35 - 159     | 6   | 20        |
| Dibromochloromethane        | 10.0        | 10.70       |                | ug/L |   | 107  | 63 - 151     | 5   | 20        |
| Dibromomethane              | 10.0        | 10.58       |                | ug/L |   | 106  | 80 - 121     | 5   | 20        |
| Dichlorodifluoromethane     | 10.0        | 7.549       |                | ug/L |   | 75   | 59 - 139     | 2   | 20        |
| Ethylbenzene                | 10.0        | 10.41       |                | ug/L |   | 104  | 80 - 120     | 4   | 20        |
| Isopropylbenzene            | 10.0        | 10.32       |                | ug/L |   | 103  | 80 - 124     | 6   | 20        |
| Methylene Chloride          | 10.0        | 10.24       |                | ug/L |   | 102  | 70 - 120     | 5   | 20        |
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 10.10       |                | ug/L |   | 101  | 72 - 120     | 3   | 20        |
| Naphthalene                 | 10.0        | 10.77       |                | ug/L |   | 108  | 75 - 120     | 9   | 22        |
| n-Butylbenzene              | 10.0        | 10.70       |                | ug/L |   | 107  | 76 - 124     | 6   | 23        |
| N-Propylbenzene             | 10.0        | 10.59       |                | ug/L |   | 106  | 80 - 122     | 5   | 20        |
| o-Xylene                    | 10.0        | 10.36       |                | ug/L |   | 104  | 80 - 122     | 5   | 20        |
| m,p-Xylene                  | 20.0        | 20.96       |                | ug/L |   | 105  | 80 - 122     | 6   | 20        |
| p-Isopropyltoluene          | 10.0        | 10.24       |                | ug/L |   | 102  | 77 - 127     | 4   | 21        |
| sec-Butylbenzene            | 10.0        | 10.14       |                | ug/L |   | 101  | 75 - 123     | 3   | 21        |
| Styrene                     | 10.0        | 10.38       |                | ug/L |   | 104  | 80 - 121     | 5   | 20        |
| trans-1,2-Dichloroethene    | 10.0        | 9.663       |                | ug/L |   | 97   | 67 - 123     | 6   | 20        |
| trans-1,3-Dichloropropene   | 10.0        | 10.69       |                | ug/L |   | 107  | 78 - 140     | 6   | 20        |
| tert-Butylbenzene           | 10.0        | 10.11       |                | ug/L |   | 101  | 72 - 128     | 5   | 22        |
| Tetrachloroethene           | 10.0        | 10.33       |                | ug/L |   | 103  | 80 - 128     | 4   | 20        |
| Toluene                     | 10.0        | 10.30       |                | ug/L |   | 103  | 80 - 120     | 6   | 20        |
| Trichloroethene             | 10.0        | 9.925       |                | ug/L |   | 99   | 80 - 123     | 7   | 20        |
| Trichlorofluoromethane      | 10.0        | 10.66       |                | ug/L |   | 107  | 64 - 168     | 5   | 20        |
| Vinyl acetate               | 10.0        | 12.19       |                | ug/L |   | 122  | 75 - 144     | 1   | 25        |
| Vinyl chloride              | 10.0        | 9.244       |                | ug/L |   | 92   | 74 - 130     | 7   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 105            |                | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 103            |                | 71 - 120 |
| Dibromofluoromethane         | 104            |                | 80 - 120 |
| Toluene-d8 (Surr)            | 100            |                | 80 - 120 |

Lab Sample ID: 570-66240-A-4 MS

Matrix: Water

Analysis Batch: 171352

Client Sample ID: Matrix Spike

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,1,1,2-Tetrachloroethane             | ND            |                  | 200         | 174.1     |              | ug/L |   | 87   | 57 - 157     |
| 1,1,1-Trichloroethane                 | ND            |                  | 200         | 179.2     |              | ug/L |   | 90   | 54 - 152     |
| 1,1,2,2-Tetrachloroethane             | ND            |                  | 200         | 191.8     |              | ug/L |   | 96   | 67 - 143     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 270           |                  | 200         | 427.2     |              | ug/L |   | 79   | 35 - 132     |
| 1,1,2-Trichloroethane                 | ND            |                  | 200         | 183.9     |              | ug/L |   | 92   | 70 - 138     |
| 1,1-Dichloroethane                    | 9.5           | J                | 200         | 195.1     |              | ug/L |   | 93   | 57 - 140     |
| 1,1-Dichloroethene                    | 1100          |                  | 200         | 1233      | 4            | ug/L |   | 82   | 48 - 146     |
| 1,1-Dichloropropene                   | ND            |                  | 200         | 194.8     |              | ug/L |   | 97   | 56 - 144     |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-66240-A-4 MS

Matrix: Water

Analysis Batch: 171352

Client Sample ID: Matrix Spike  
Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,2,3-Trichlorobenzene      | ND            |                  | 200         | 168.5     |              | ug/L |   | 84   | 66 - 146     |
| 1,2,3-Trichloropropane      | ND            |                  | 200         | 169.9     |              | ug/L |   | 85   | 66 - 139     |
| 1,2,4-Trichlorobenzene      | ND            |                  | 200         | 179.7     |              | ug/L |   | 90   | 64 - 146     |
| 1,2,4-Trimethylbenzene      | ND            |                  | 200         | 179.0     |              | ug/L |   | 90   | 52 - 156     |
| 1,2-Dibromo-3-Chloropropane | ND            |                  | 200         | 166.9     |              | ug/L |   | 83   | 57 - 145     |
| 1,2-Dibromoethane           | ND            |                  | 200         | 173.9     |              | ug/L |   | 87   | 69 - 139     |
| 1,2-Dichlorobenzene         | ND            |                  | 200         | 181.8     |              | ug/L |   | 91   | 63 - 146     |
| 1,2-Dichloroethane          | ND            |                  | 200         | 189.2     |              | ug/L |   | 95   | 63 - 151     |
| 1,2-Dichloropropane         | ND            |                  | 200         | 185.9     |              | ug/L |   | 93   | 65 - 143     |
| 1,3,5-Trimethylbenzene      | ND            |                  | 200         | 183.5     |              | ug/L |   | 92   | 58 - 158     |
| 1,3-Dichlorobenzene         | ND            |                  | 200         | 176.3     |              | ug/L |   | 88   | 61 - 145     |
| 1,3-Dichloropropane         | ND            |                  | 200         | 189.8     |              | ug/L |   | 95   | 70 - 137     |
| 1,4-Dichlorobenzene         | ND            |                  | 200         | 167.0     |              | ug/L |   | 83   | 61 - 141     |
| 2,2-Dichloropropane         | ND            |                  | 200         | 174.7     |              | ug/L |   | 87   | 56 - 148     |
| 2-Butanone                  | ND            |                  | 200         | 214.8     |              | ug/L |   | 107  | 48 - 141     |
| 2-Chlorotoluene             | ND            |                  | 200         | 178.1     |              | ug/L |   | 89   | 58 - 145     |
| 2-Hexanone                  | ND            |                  | 200         | 171.3     |              | ug/L |   | 86   | 61 - 139     |
| 4-Chlorotoluene             | ND            |                  | 200         | 176.1     |              | ug/L |   | 88   | 59 - 144     |
| 4-Methyl-2-pentanone        | ND            |                  | 200         | 181.7     |              | ug/L |   | 91   | 63 - 139     |
| Acetone                     | ND            |                  | 200         | 209.8     |              | ug/L |   | 105  | 49 - 130     |
| Benzene                     | ND            |                  | 200         | 181.6     |              | ug/L |   | 91   | 61 - 143     |
| Bromobenzene                | ND            |                  | 200         | 183.7     |              | ug/L |   | 92   | 64 - 146     |
| Bromochloromethane          | ND            |                  | 200         | 188.8     |              | ug/L |   | 94   | 65 - 140     |
| Bromodichloromethane        | ND            |                  | 200         | 179.1     |              | ug/L |   | 90   | 61 - 158     |
| Bromoform                   | ND            |                  | 200         | 167.3     |              | ug/L |   | 84   | 48 - 168     |
| Bromomethane                | ND            |                  | 200         | 173.8     |              | ug/L |   | 87   | 58 - 175     |
| cis-1,2-Dichloroethene      | 23            |                  | 200         | 219.9     |              | ug/L |   | 98   | 53 - 156     |
| cis-1,3-Dichloropropene     | ND            |                  | 200         | 169.8     |              | ug/L |   | 85   | 65 - 142     |
| Carbon disulfide            | ND            |                  | 200         | 186.8     |              | ug/L |   | 93   | 48 - 149     |
| Carbon tetrachloride        | ND            |                  | 200         | 180.3     |              | ug/L |   | 90   | 46 - 167     |
| Chlorobenzene               | ND            |                  | 200         | 180.3     |              | ug/L |   | 90   | 62 - 143     |
| Chloroethane                | ND            |                  | 200         | 182.3     |              | ug/L |   | 91   | 65 - 162     |
| Chloroform                  | 7.0           | J                | 200         | 192.1     |              | ug/L |   | 93   | 62 - 145     |
| Chloromethane               | ND            |                  | 200         | 231.1     |              | ug/L |   | 116  | 21 - 171     |
| Dibromochloromethane        | ND            |                  | 200         | 185.6     |              | ug/L |   | 93   | 56 - 156     |
| Dibromomethane              | ND            |                  | 200         | 197.1     |              | ug/L |   | 99   | 69 - 142     |
| Dichlorodifluoromethane     | ND            |                  | 200         | 136.6     |              | ug/L |   | 68   | 38 - 159     |
| Ethylbenzene                | ND            |                  | 200         | 182.1     |              | ug/L |   | 91   | 59 - 145     |
| Isopropylbenzene            | ND            |                  | 200         | 180.8     |              | ug/L |   | 90   | 61 - 149     |
| Methylene Chloride          | ND            |                  | 200         | 188.2     |              | ug/L |   | 94   | 57 - 131     |
| Methyl-t-Butyl Ether (MTBE) | ND            |                  | 200         | 187.2     |              | ug/L |   | 94   | 62 - 125     |
| Naphthalene                 | ND            |                  | 200         | 166.3     |              | ug/L |   | 83   | 54 - 148     |
| n-Butylbenzene              | ND            |                  | 200         | 177.5     |              | ug/L |   | 89   | 57 - 150     |
| N-Propylbenzene             | ND            |                  | 200         | 183.9     |              | ug/L |   | 92   | 60 - 149     |
| o-Xylene                    | ND            |                  | 200         | 180.7     |              | ug/L |   | 90   | 61 - 150     |
| m,p-Xylene                  | ND            |                  | 400         | 366.0     |              | ug/L |   | 92   | 61 - 150     |
| p-Isopropyltoluene          | ND            |                  | 200         | 177.3     |              | ug/L |   | 89   | 55 - 153     |
| sec-Butylbenzene            | ND            |                  | 200         | 179.2     |              | ug/L |   | 90   | 57 - 148     |
| Styrene                     | ND            |                  | 200         | 181.7     |              | ug/L |   | 91   | 53 - 146     |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-66240-A-4 MS

Matrix: Water

Analysis Batch: 171352

Client Sample ID: Matrix Spike

Prep Type: Total/NA

| Analyte                      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| trans-1,2-Dichloroethene     | ND            |                  | 200         | 180.0     |              | ug/L |   | 90   | 54 - 142     |
| trans-1,3-Dichloropropene    | ND            |                  | 200         | 181.4     |              | ug/L |   | 91   | 66 - 146     |
| tert-Butylbenzene            | ND            |                  | 200         | 177.6     |              | ug/L |   | 89   | 56 - 148     |
| Tetrachloroethene            | 2200          | E                | 200         | 2616      | E 4          | ug/L |   | 208  | 52 - 156     |
| Toluene                      | ND            |                  | 200         | 180.6     |              | ug/L |   | 90   | 62 - 145     |
| Trichloroethene              | 1800          |                  | 200         | 1958      | 4            | ug/L |   | 103  | 35 - 163     |
| Trichlorofluoromethane       | 13            |                  | 200         | 220.2     |              | ug/L |   | 104  | 75 - 151     |
| Vinyl acetate                | ND            |                  | 200         | 238.3     |              | ug/L |   | 119  | 61 - 170     |
| Vinyl chloride               | ND            |                  | 200         | 189.4     |              | ug/L |   | 95   | 75 - 139     |
| Surrogate                    | MS %Recovery  | MS Qualifier     | Limits      |           |              |      |   |      |              |
| 1,2-Dichloroethane-d4 (Surr) | 105           |                  | 68 - 135    |           |              |      |   |      |              |
| 4-Bromofluorobenzene (Surr)  | 101           |                  | 71 - 120    |           |              |      |   |      |              |
| Dibromofluoromethane         | 105           |                  | 80 - 120    |           |              |      |   |      |              |
| Toluene-d8 (Surr)            | 99            |                  | 80 - 120    |           |              |      |   |      |              |

Lab Sample ID: 570-66240-A-4 MSD

Matrix: Water

Analysis Batch: 171352

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane             | ND            |                  | 200         | 171.2      |               | ug/L |   | 86   | 57 - 157     | 2   | 20        |
| 1,1,1-Trichloroethane                 | ND            |                  | 200         | 177.9      |               | ug/L |   | 89   | 54 - 152     | 1   | 26        |
| 1,1,2,2-Tetrachloroethane             | ND            |                  | 200         | 198.1      |               | ug/L |   | 99   | 67 - 143     | 3   | 20        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 270           |                  | 200         | 415.6      |               | ug/L |   | 73   | 35 - 132     | 3   | 36        |
| 1,1,2-Trichloroethane                 | ND            |                  | 200         | 178.8      |               | ug/L |   | 89   | 70 - 138     | 3   | 20        |
| 1,1-Dichloroethane                    | 9.5           | J                | 200         | 187.7      |               | ug/L |   | 89   | 57 - 140     | 4   | 22        |
| 1,1-Dichloroethene                    | 1100          |                  | 200         | 1270       | 4             | ug/L |   | 100  | 48 - 146     | 3   | 28        |
| 1,1-Dichloropropene                   | ND            |                  | 200         | 181.9      |               | ug/L |   | 91   | 56 - 144     | 7   | 27        |
| 1,2,3-Trichlorobenzene                | ND            |                  | 200         | 180.2      |               | ug/L |   | 90   | 66 - 146     | 7   | 24        |
| 1,2,3-Trichloropropane                | ND            |                  | 200         | 174.7      |               | ug/L |   | 87   | 66 - 139     | 3   | 20        |
| 1,2,4-Trichlorobenzene                | ND            |                  | 200         | 188.9      |               | ug/L |   | 94   | 64 - 146     | 5   | 25        |
| 1,2,4-Trimethylbenzene                | ND            |                  | 200         | 182.9      |               | ug/L |   | 91   | 52 - 156     | 2   | 24        |
| 1,2-Dibromo-3-Chloropropane           | ND            |                  | 200         | 180.4      |               | ug/L |   | 90   | 57 - 145     | 8   | 21        |
| 1,2-Dibromoethane                     | ND            |                  | 200         | 179.1      |               | ug/L |   | 90   | 69 - 139     | 3   | 20        |
| 1,2-Dichlorobenzene                   | ND            |                  | 200         | 185.6      |               | ug/L |   | 93   | 63 - 146     | 2   | 20        |
| 1,2-Dichloroethane                    | ND            |                  | 200         | 184.2      |               | ug/L |   | 92   | 63 - 151     | 3   | 20        |
| 1,2-Dichloropropane                   | ND            |                  | 200         | 179.9      |               | ug/L |   | 90   | 65 - 143     | 3   | 20        |
| 1,3,5-Trimethylbenzene                | ND            |                  | 200         | 179.5      |               | ug/L |   | 90   | 58 - 158     | 2   | 26        |
| 1,3-Dichlorobenzene                   | ND            |                  | 200         | 180.6      |               | ug/L |   | 90   | 61 - 145     | 2   | 22        |
| 1,3-Dichloropropane                   | ND            |                  | 200         | 187.9      |               | ug/L |   | 94   | 70 - 137     | 1   | 20        |
| 1,4-Dichlorobenzene                   | ND            |                  | 200         | 173.1      |               | ug/L |   | 87   | 61 - 141     | 4   | 22        |
| 2,2-Dichloropropane                   | ND            |                  | 200         | 165.7      |               | ug/L |   | 83   | 56 - 148     | 5   | 26        |
| 2-Butanone                            | ND            |                  | 200         | 198.3      |               | ug/L |   | 99   | 48 - 141     | 8   | 26        |
| 2-Chlorotoluene                       | ND            |                  | 200         | 172.5      |               | ug/L |   | 86   | 58 - 145     | 3   | 25        |
| 2-Hexanone                            | ND            |                  | 200         | 153.3      |               | ug/L |   | 77   | 61 - 139     | 11  | 21        |
| 4-Chlorotoluene                       | ND            |                  | 200         | 176.3      |               | ug/L |   | 88   | 59 - 144     | 0   | 24        |
| 4-Methyl-2-pentanone                  | ND            |                  | 200         | 181.5      |               | ug/L |   | 91   | 63 - 139     | 0   | 20        |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-66240-A-4 MSD

Matrix: Water

Analysis Batch: 171352

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Acetone                     | ND            |                  | 200         | 204.7      |               | ug/L |   | 102  | 49 - 130     | 2   | 26        |
| Benzene                     | ND            |                  | 200         | 178.6      |               | ug/L |   | 89   | 61 - 143     | 2   | 20        |
| Bromobenzene                | ND            |                  | 200         | 180.5      |               | ug/L |   | 90   | 64 - 146     | 2   | 20        |
| Bromochloromethane          | ND            |                  | 200         | 179.6      |               | ug/L |   | 90   | 65 - 140     | 5   | 20        |
| Bromodichloromethane        | ND            |                  | 200         | 179.2      |               | ug/L |   | 90   | 61 - 158     | 0   | 20        |
| Bromoform                   | ND            |                  | 200         | 176.0      |               | ug/L |   | 88   | 48 - 168     | 5   | 20        |
| Bromomethane                | ND            |                  | 200         | 177.3      |               | ug/L |   | 89   | 58 - 175     | 2   | 22        |
| cis-1,2-Dichloroethene      | 23            |                  | 200         | 209.1      |               | ug/L |   | 93   | 53 - 156     | 5   | 20        |
| cis-1,3-Dichloropropene     | ND            |                  | 200         | 173.7      |               | ug/L |   | 87   | 65 - 142     | 2   | 20        |
| Carbon disulfide            | ND            |                  | 200         | 181.9      |               | ug/L |   | 91   | 48 - 149     | 3   | 25        |
| Carbon tetrachloride        | ND            |                  | 200         | 177.1      |               | ug/L |   | 89   | 46 - 167     | 2   | 29        |
| Chlorobenzene               | ND            |                  | 200         | 179.8      |               | ug/L |   | 90   | 62 - 143     | 0   | 20        |
| Chloroethane                | ND            |                  | 200         | 179.0      |               | ug/L |   | 90   | 65 - 162     | 2   | 20        |
| Chloroform                  | 7.0 J         |                  | 200         | 188.6      |               | ug/L |   | 91   | 62 - 145     | 2   | 20        |
| Chloromethane               | ND            |                  | 200         | 218.1      |               | ug/L |   | 109  | 21 - 171     | 6   | 20        |
| Dibromochloromethane        | ND            |                  | 200         | 189.5      |               | ug/L |   | 95   | 56 - 156     | 2   | 20        |
| Dibromomethane              | ND            |                  | 200         | 190.7      |               | ug/L |   | 95   | 69 - 142     | 3   | 20        |
| Dichlorodifluoromethane     | ND            |                  | 200         | 125.7      |               | ug/L |   | 63   | 38 - 159     | 8   | 21        |
| Ethylbenzene                | ND            |                  | 200         | 179.8      |               | ug/L |   | 90   | 59 - 145     | 1   | 23        |
| Isopropylbenzene            | ND            |                  | 200         | 176.7      |               | ug/L |   | 88   | 61 - 149     | 2   | 28        |
| Methylene Chloride          | ND            |                  | 200         | 183.9      |               | ug/L |   | 92   | 57 - 131     | 2   | 21        |
| Methyl-t-Butyl Ether (MTBE) | ND            |                  | 200         | 182.7      |               | ug/L |   | 91   | 62 - 125     | 2   | 20        |
| Naphthalene                 | ND            |                  | 200         | 183.6      |               | ug/L |   | 92   | 54 - 148     | 10  | 22        |
| n-Butylbenzene              | ND            |                  | 200         | 180.2      |               | ug/L |   | 90   | 57 - 150     | 2   | 30        |
| N-Propylbenzene             | ND            |                  | 200         | 179.7      |               | ug/L |   | 90   | 60 - 149     | 2   | 29        |
| o-Xylene                    | ND            |                  | 200         | 177.1      |               | ug/L |   | 89   | 61 - 150     | 2   | 20        |
| m,p-Xylene                  | ND            |                  | 400         | 351.3      |               | ug/L |   | 88   | 61 - 150     | 4   | 23        |
| p-Isopropyltoluene          | ND            |                  | 200         | 178.4      |               | ug/L |   | 89   | 55 - 153     | 1   | 28        |
| sec-Butylbenzene            | ND            |                  | 200         | 181.6      |               | ug/L |   | 91   | 57 - 148     | 1   | 31        |
| Styrene                     | ND            |                  | 200         | 179.4      |               | ug/L |   | 90   | 53 - 146     | 1   | 22        |
| trans-1,2-Dichloroethene    | ND            |                  | 200         | 170.2      |               | ug/L |   | 85   | 54 - 142     | 6   | 25        |
| trans-1,3-Dichloropropene   | ND            |                  | 200         | 181.3      |               | ug/L |   | 91   | 66 - 146     | 0   | 20        |
| tert-Butylbenzene           | ND            |                  | 200         | 180.9      |               | ug/L |   | 90   | 56 - 148     | 2   | 28        |
| Tetrachloroethene           | 2200 E        |                  | 200         | 2898       | E 4           | ug/L |   | 350  | 52 - 156     | 10  | 26        |
| Toluene                     | ND            |                  | 200         | 177.6      |               | ug/L |   | 89   | 62 - 145     | 2   | 21        |
| Trichloroethene             | 1800          |                  | 200         | 2050       | E 4           | ug/L |   | 149  | 35 - 163     | 5   | 21        |
| Trichlorofluoromethane      | 13            |                  | 200         | 200.5      |               | ug/L |   | 94   | 75 - 151     | 9   | 20        |
| Vinyl acetate               | ND            |                  | 200         | 220.0      |               | ug/L |   | 110  | 61 - 170     | 8   | 27        |
| Vinyl chloride              | ND            |                  | 200         | 180.7      |               | ug/L |   | 90   | 75 - 139     | 5   | 20        |

| Surrogate                    | MSD %Recovery | MSD Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 104           |               | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 100           |               | 71 - 120 |
| Dibromofluoromethane         | 101           |               | 80 - 120 |
| Toluene-d8 (Surr)            | 99            |               | 80 - 120 |

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-171354/6

Matrix: Water

Analysis Batch: 171354

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB Result | MB Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND        |              | 0.50 | 0.26  | ug/L |   |          | 08/14/21 13:01 | 1       |
| 1,1,1-Trichloroethane                 | ND        |              | 0.50 | 0.27  | ug/L |   |          | 08/14/21 13:01 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND        |              | 0.50 | 0.19  | ug/L |   |          | 08/14/21 13:01 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND        |              | 0.50 | 0.25  | ug/L |   |          | 08/14/21 13:01 | 1       |
| 1,1,2-Trichloroethane                 | ND        |              | 0.50 | 0.085 | ug/L |   |          | 08/14/21 13:01 | 1       |
| 1,1-Dichloroethane                    | ND        |              | 0.50 | 0.35  | ug/L |   |          | 08/14/21 13:01 | 1       |
| 1,1-Dichloroethene                    | ND        |              | 0.50 | 0.39  | ug/L |   |          | 08/14/21 13:01 | 1       |
| 1,1-Dichloropropene                   | ND        |              | 0.50 | 0.24  | ug/L |   |          | 08/14/21 13:01 | 1       |
| 1,2,3-Trichlorobenzene                | ND        |              | 0.50 | 0.28  | ug/L |   |          | 08/14/21 13:01 | 1       |
| 1,2,3-Trichloropropane                | ND        |              | 0.50 | 0.32  | ug/L |   |          | 08/14/21 13:01 | 1       |
| 1,2,4-Trichlorobenzene                | ND        |              | 0.50 | 0.38  | ug/L |   |          | 08/14/21 13:01 | 1       |
| 1,2,4-Trimethylbenzene                | ND        |              | 0.50 | 0.29  | ug/L |   |          | 08/14/21 13:01 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND        |              | 1.0  | 0.64  | ug/L |   |          | 08/14/21 13:01 | 1       |
| 1,2-Dibromoethane                     | ND        |              | 0.50 | 0.14  | ug/L |   |          | 08/14/21 13:01 | 1       |
| 1,2-Dichlorobenzene                   | ND        |              | 0.50 | 0.23  | ug/L |   |          | 08/14/21 13:01 | 1       |
| 1,2-Dichloroethane                    | ND        |              | 0.50 | 0.15  | ug/L |   |          | 08/14/21 13:01 | 1       |
| 1,2-Dichloropropane                   | ND        |              | 0.50 | 0.24  | ug/L |   |          | 08/14/21 13:01 | 1       |
| 1,3,5-Trimethylbenzene                | ND        |              | 0.50 | 0.28  | ug/L |   |          | 08/14/21 13:01 | 1       |
| 1,3-Dichlorobenzene                   | ND        |              | 0.50 | 0.26  | ug/L |   |          | 08/14/21 13:01 | 1       |
| 1,3-Dichloropropane                   | ND        |              | 0.50 | 0.20  | ug/L |   |          | 08/14/21 13:01 | 1       |
| 1,4-Dichlorobenzene                   | ND        |              | 0.50 | 0.22  | ug/L |   |          | 08/14/21 13:01 | 1       |
| 2,2-Dichloropropane                   | ND        |              | 0.50 | 0.40  | ug/L |   |          | 08/14/21 13:01 | 1       |
| 2-Butanone                            | ND        |              | 5.0  | 3.0   | ug/L |   |          | 08/14/21 13:01 | 1       |
| 2-Chlorotoluene                       | ND        |              | 0.50 | 0.31  | ug/L |   |          | 08/14/21 13:01 | 1       |
| 2-Hexanone                            | ND        |              | 6.0  | 4.3   | ug/L |   |          | 08/14/21 13:01 | 1       |
| 4-Chlorotoluene                       | ND        |              | 0.50 | 0.34  | ug/L |   |          | 08/14/21 13:01 | 1       |
| 4-Methyl-2-pentanone                  | ND        |              | 5.0  | 2.2   | ug/L |   |          | 08/14/21 13:01 | 1       |
| Acetone                               | ND        |              | 8.0  | 4.0   | ug/L |   |          | 08/14/21 13:01 | 1       |
| Benzene                               | ND        |              | 0.50 | 0.27  | ug/L |   |          | 08/14/21 13:01 | 1       |
| Bromobenzene                          | ND        |              | 0.50 | 0.26  | ug/L |   |          | 08/14/21 13:01 | 1       |
| Bromochloromethane                    | ND        |              | 1.0  | 0.35  | ug/L |   |          | 08/14/21 13:01 | 1       |
| Bromodichloromethane                  | ND        |              | 0.50 | 0.22  | ug/L |   |          | 08/14/21 13:01 | 1       |
| Bromoform                             | ND        |              | 0.50 | 0.39  | ug/L |   |          | 08/14/21 13:01 | 1       |
| Bromomethane                          | ND        |              | 1.0  | 0.93  | ug/L |   |          | 08/14/21 13:01 | 1       |
| cis-1,2-Dichloroethene                | ND        |              | 0.50 | 0.30  | ug/L |   |          | 08/14/21 13:01 | 1       |
| cis-1,3-Dichloropropene               | ND        |              | 0.50 | 0.19  | ug/L |   |          | 08/14/21 13:01 | 1       |
| Carbon disulfide                      | ND        |              | 1.0  | 0.24  | ug/L |   |          | 08/14/21 13:01 | 1       |
| Carbon tetrachloride                  | ND        |              | 0.50 | 0.27  | ug/L |   |          | 08/14/21 13:01 | 1       |
| Chlorobenzene                         | ND        |              | 0.50 | 0.24  | ug/L |   |          | 08/14/21 13:01 | 1       |
| Chloroethane                          | ND        |              | 0.50 | 0.44  | ug/L |   |          | 08/14/21 13:01 | 1       |
| Chloroform                            | ND        |              | 0.50 | 0.28  | ug/L |   |          | 08/14/21 13:01 | 1       |
| Chloromethane                         | ND        |              | 1.0  | 0.29  | ug/L |   |          | 08/14/21 13:01 | 1       |
| Dibromochloromethane                  | ND        |              | 0.50 | 0.27  | ug/L |   |          | 08/14/21 13:01 | 1       |
| Dibromomethane                        | ND        |              | 0.50 | 0.23  | ug/L |   |          | 08/14/21 13:01 | 1       |
| Dichlorodifluoromethane               | ND        |              | 1.0  | 0.68  | ug/L |   |          | 08/14/21 13:01 | 1       |
| Ethylbenzene                          | ND        |              | 0.50 | 0.36  | ug/L |   |          | 08/14/21 13:01 | 1       |
| Isopropylbenzene                      | ND        |              | 0.50 | 0.38  | ug/L |   |          | 08/14/21 13:01 | 1       |
| Methylene Chloride                    | ND        |              | 1.0  | 0.48  | ug/L |   |          | 08/14/21 13:01 | 1       |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-171354/6

Matrix: Water

Analysis Batch: 171354

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|------|------|------|---|----------|----------------|---------|
| Methyl-t-Butyl Ether (MTBE) | ND        |              | 0.50 | 0.21 | ug/L |   |          | 08/14/21 13:01 | 1       |
| Naphthalene                 | ND        |              | 1.0  | 0.32 | ug/L |   |          | 08/14/21 13:01 | 1       |
| n-Butylbenzene              | ND        |              | 0.50 | 0.29 | ug/L |   |          | 08/14/21 13:01 | 1       |
| N-Propylbenzene             | ND        |              | 0.50 | 0.39 | ug/L |   |          | 08/14/21 13:01 | 1       |
| o-Xylene                    | ND        |              | 0.50 | 0.35 | ug/L |   |          | 08/14/21 13:01 | 1       |
| m,p-Xylene                  | ND        |              | 1.0  | 0.78 | ug/L |   |          | 08/14/21 13:01 | 1       |
| p-Isopropyltoluene          | ND        |              | 0.50 | 0.28 | ug/L |   |          | 08/14/21 13:01 | 1       |
| sec-Butylbenzene            | ND        |              | 0.50 | 0.34 | ug/L |   |          | 08/14/21 13:01 | 1       |
| Styrene                     | ND        |              | 0.50 | 0.28 | ug/L |   |          | 08/14/21 13:01 | 1       |
| trans-1,2-Dichloroethene    | ND        |              | 0.50 | 0.36 | ug/L |   |          | 08/14/21 13:01 | 1       |
| trans-1,3-Dichloropropene   | ND        |              | 0.50 | 0.17 | ug/L |   |          | 08/14/21 13:01 | 1       |
| tert-Butylbenzene           | ND        |              | 0.50 | 0.34 | ug/L |   |          | 08/14/21 13:01 | 1       |
| Tetrachloroethene           | ND        |              | 0.50 | 0.29 | ug/L |   |          | 08/14/21 13:01 | 1       |
| Toluene                     | ND        |              | 0.50 | 0.33 | ug/L |   |          | 08/14/21 13:01 | 1       |
| Trichloroethene             | ND        |              | 0.50 | 0.29 | ug/L |   |          | 08/14/21 13:01 | 1       |
| Trichlorofluoromethane      | ND        |              | 0.50 | 0.30 | ug/L |   |          | 08/14/21 13:01 | 1       |
| Vinyl acetate               | ND        |              | 5.0  | 3.1  | ug/L |   |          | 08/14/21 13:01 | 1       |
| Vinyl chloride              | ND        |              | 0.50 | 0.40 | ug/L |   |          | 08/14/21 13:01 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 105          |              | 68 - 135 |          | 08/14/21 13:01 | 1       |
| 4-Bromofluorobenzene (Surr)  | 94           |              | 71 - 120 |          | 08/14/21 13:01 | 1       |
| Dibromofluoromethane         | 100          |              | 80 - 120 |          | 08/14/21 13:01 | 1       |
| Toluene-d8 (Surr)            | 99           |              | 80 - 120 |          | 08/14/21 13:01 | 1       |

Lab Sample ID: LCS 570-171354/3

Matrix: Water

Analysis Batch: 171354

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,1,1,2-Tetrachloroethane             | 10.0        | 9.953      |               | ug/L |   | 100  | 76 - 143     |
| 1,1,1-Trichloroethane                 | 10.0        | 10.10      |               | ug/L |   | 101  | 75 - 128     |
| 1,1,2,2-Tetrachloroethane             | 10.0        | 10.38      |               | ug/L |   | 104  | 73 - 126     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0        | 9.448      |               | ug/L |   | 94   | 50 - 120     |
| 1,1,2-Trichloroethane                 | 10.0        | 9.952      |               | ug/L |   | 100  | 80 - 120     |
| 1,1-Dichloroethane                    | 10.0        | 9.893      |               | ug/L |   | 99   | 76 - 120     |
| 1,1-Dichloroethene                    | 10.0        | 9.905      |               | ug/L |   | 99   | 72 - 120     |
| 1,1-Dichloropropene                   | 10.0        | 9.874      |               | ug/L |   | 99   | 76 - 120     |
| 1,2,3-Trichlorobenzene                | 10.0        | 10.61      |               | ug/L |   | 106  | 80 - 125     |
| 1,2,3-Trichloropropane                | 10.0        | 10.03      |               | ug/L |   | 100  | 66 - 131     |
| 1,2,4-Trichlorobenzene                | 10.0        | 10.29      |               | ug/L |   | 103  | 80 - 123     |
| 1,2,4-Trimethylbenzene                | 10.0        | 10.18      |               | ug/L |   | 102  | 78 - 125     |
| 1,2-Dibromo-3-Chloropropane           | 10.0        | 9.764      |               | ug/L |   | 98   | 77 - 120     |
| 1,2-Dibromoethane                     | 10.0        | 9.929      |               | ug/L |   | 99   | 80 - 120     |
| 1,2-Dichlorobenzene                   | 10.0        | 9.639      |               | ug/L |   | 96   | 79 - 123     |
| 1,2-Dichloroethane                    | 10.0        | 9.957      |               | ug/L |   | 100  | 71 - 137     |
| 1,2-Dichloropropane                   | 10.0        | 9.721      |               | ug/L |   | 97   | 80 - 120     |
| 1,3,5-Trimethylbenzene                | 10.0        | 10.29      |               | ug/L |   | 103  | 77 - 133     |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-171354/3

Matrix: Water

Analysis Batch: 171354

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,3-Dichlorobenzene         | 10.0        | 9.527      |               | ug/L |   | 95   | 79 - 123     |
| 1,3-Dichloropropane         | 10.0        | 9.776      |               | ug/L |   | 98   | 80 - 123     |
| 1,4-Dichlorobenzene         | 10.0        | 9.352      |               | ug/L |   | 94   | 75 - 123     |
| 2,2-Dichloropropane         | 10.0        | 11.07      |               | ug/L |   | 111  | 78 - 133     |
| 2-Butanone                  | 10.0        | 8.430      |               | ug/L |   | 84   | 32 - 133     |
| 2-Chlorotoluene             | 10.0        | 9.858      |               | ug/L |   | 99   | 80 - 120     |
| 2-Hexanone                  | 10.0        | 10.07      |               | ug/L |   | 101  | 57 - 127     |
| 4-Chlorotoluene             | 10.0        | 9.763      |               | ug/L |   | 98   | 78 - 120     |
| 4-Methyl-2-pentanone        | 10.0        | 10.17      |               | ug/L |   | 102  | 68 - 120     |
| Acetone                     | 10.0        | 8.708      |               | ug/L |   | 87   | 57 - 133     |
| Benzene                     | 10.0        | 9.780      |               | ug/L |   | 98   | 80 - 120     |
| Bromobenzene                | 10.0        | 9.791      |               | ug/L |   | 98   | 80 - 124     |
| Bromochloromethane          | 10.0        | 9.763      |               | ug/L |   | 98   | 76 - 125     |
| Bromodichloromethane        | 10.0        | 10.01      |               | ug/L |   | 100  | 77 - 141     |
| Bromoform                   | 10.0        | 9.928      |               | ug/L |   | 99   | 46 - 178     |
| Bromomethane                | 10.0        | 9.017      |               | ug/L |   | 90   | 52 - 162     |
| cis-1,2-Dichloroethene      | 10.0        | 10.04      |               | ug/L |   | 100  | 76 - 122     |
| cis-1,3-Dichloropropene     | 10.0        | 10.07      |               | ug/L |   | 101  | 80 - 122     |
| Carbon disulfide            | 10.0        | 9.864      |               | ug/L |   | 99   | 66 - 125     |
| Carbon tetrachloride        | 10.0        | 10.39      |               | ug/L |   | 104  | 69 - 145     |
| Chlorobenzene               | 10.0        | 9.533      |               | ug/L |   | 95   | 80 - 120     |
| Chloroethane                | 10.0        | 10.81      |               | ug/L |   | 108  | 73 - 139     |
| Chloroform                  | 10.0        | 9.870      |               | ug/L |   | 99   | 80 - 120     |
| Chloromethane               | 10.0        | 8.643      |               | ug/L |   | 86   | 35 - 159     |
| Dibromochloromethane        | 10.0        | 10.52      |               | ug/L |   | 105  | 63 - 151     |
| Dibromomethane              | 10.0        | 10.13      |               | ug/L |   | 101  | 80 - 121     |
| Dichlorodifluoromethane     | 10.0        | 7.398      |               | ug/L |   | 74   | 59 - 139     |
| Ethylbenzene                | 10.0        | 10.01      |               | ug/L |   | 100  | 80 - 120     |
| Isopropylbenzene            | 10.0        | 10.43      |               | ug/L |   | 104  | 80 - 124     |
| Methylene Chloride          | 10.0        | 10.86      |               | ug/L |   | 109  | 70 - 120     |
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 10.20      |               | ug/L |   | 102  | 72 - 120     |
| Naphthalene                 | 10.0        | 9.771      |               | ug/L |   | 98   | 75 - 120     |
| n-Butylbenzene              | 10.0        | 10.39      |               | ug/L |   | 104  | 76 - 124     |
| N-Propylbenzene             | 10.0        | 10.35      |               | ug/L |   | 104  | 80 - 122     |
| o-Xylene                    | 10.0        | 10.32      |               | ug/L |   | 103  | 80 - 122     |
| m,p-Xylene                  | 20.0        | 20.46      |               | ug/L |   | 102  | 80 - 122     |
| p-Isopropyltoluene          | 10.0        | 10.20      |               | ug/L |   | 102  | 77 - 127     |
| sec-Butylbenzene            | 10.0        | 10.10      |               | ug/L |   | 101  | 75 - 123     |
| Styrene                     | 10.0        | 10.36      |               | ug/L |   | 104  | 80 - 121     |
| trans-1,2-Dichloroethene    | 10.0        | 9.887      |               | ug/L |   | 99   | 67 - 123     |
| trans-1,3-Dichloropropene   | 10.0        | 10.40      |               | ug/L |   | 104  | 78 - 140     |
| tert-Butylbenzene           | 10.0        | 10.02      |               | ug/L |   | 100  | 72 - 128     |
| Tetrachloroethene           | 10.0        | 9.809      |               | ug/L |   | 98   | 80 - 128     |
| Toluene                     | 10.0        | 9.750      |               | ug/L |   | 98   | 80 - 120     |
| Trichloroethene             | 10.0        | 9.580      |               | ug/L |   | 96   | 80 - 123     |
| Trichlorofluoromethane      | 10.0        | 9.653      |               | ug/L |   | 97   | 64 - 168     |
| Vinyl acetate               | 10.0        | 12.35      |               | ug/L |   | 123  | 75 - 144     |
| Vinyl chloride              | 10.0        | 8.855      |               | ug/L |   | 89   | 74 - 130     |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-171354/3

Matrix: Water

Analysis Batch: 171354

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Surrogate                    | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|------------------------------|------------------|------------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 103              |                  | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 102              |                  | 71 - 120 |
| Dibromofluoromethane         | 103              |                  | 80 - 120 |
| Toluene-d8 (Surr)            | 100              |                  | 80 - 120 |

Lab Sample ID: LCSD 570-171354/4

Matrix: Water

Analysis Batch: 171354

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|---------------------------------------|----------------|----------------|-------------------|------|---|------|-----------------|-----|--------------|
| 1,1,1,2-Tetrachloroethane             | 10.0           | 9.927          |                   | ug/L |   | 99   | 76 - 143        | 0   | 20           |
| 1,1,1-Trichloroethane                 | 10.0           | 10.23          |                   | ug/L |   | 102  | 75 - 128        | 1   | 20           |
| 1,1,2,2-Tetrachloroethane             | 10.0           | 10.22          |                   | ug/L |   | 102  | 73 - 126        | 2   | 21           |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0           | 10.02          |                   | ug/L |   | 100  | 50 - 120        | 6   | 20           |
| 1,1,2-Trichloroethane                 | 10.0           | 9.570          |                   | ug/L |   | 96   | 80 - 120        | 4   | 20           |
| 1,1-Dichloroethane                    | 10.0           | 10.09          |                   | ug/L |   | 101  | 76 - 120        | 2   | 20           |
| 1,1-Dichloroethene                    | 10.0           | 10.44          |                   | ug/L |   | 104  | 72 - 120        | 5   | 20           |
| 1,1-Dichloropropene                   | 10.0           | 10.39          |                   | ug/L |   | 104  | 76 - 120        | 5   | 20           |
| 1,2,3-Trichlorobenzene                | 10.0           | 10.64          |                   | ug/L |   | 106  | 80 - 125        | 0   | 22           |
| 1,2,3-Trichloropropane                | 10.0           | 9.878          |                   | ug/L |   | 99   | 66 - 131        | 1   | 20           |
| 1,2,4-Trichlorobenzene                | 10.0           | 10.41          |                   | ug/L |   | 104  | 80 - 123        | 1   | 20           |
| 1,2,4-Trimethylbenzene                | 10.0           | 10.21          |                   | ug/L |   | 102  | 78 - 125        | 0   | 22           |
| 1,2-Dibromo-3-Chloropropane           | 10.0           | 9.681          |                   | ug/L |   | 97   | 77 - 120        | 1   | 21           |
| 1,2-Dibromoethane                     | 10.0           | 9.760          |                   | ug/L |   | 98   | 80 - 120        | 2   | 20           |
| 1,2-Dichlorobenzene                   | 10.0           | 9.795          |                   | ug/L |   | 98   | 79 - 123        | 2   | 20           |
| 1,2-Dichloroethane                    | 10.0           | 10.10          |                   | ug/L |   | 101  | 71 - 137        | 1   | 20           |
| 1,2-Dichloropropane                   | 10.0           | 9.942          |                   | ug/L |   | 99   | 80 - 120        | 2   | 20           |
| 1,3,5-Trimethylbenzene                | 10.0           | 10.48          |                   | ug/L |   | 105  | 77 - 133        | 2   | 20           |
| 1,3-Dichlorobenzene                   | 10.0           | 9.654          |                   | ug/L |   | 97   | 79 - 123        | 1   | 20           |
| 1,3-Dichloropropane                   | 10.0           | 9.719          |                   | ug/L |   | 97   | 80 - 123        | 1   | 20           |
| 1,4-Dichlorobenzene                   | 10.0           | 9.378          |                   | ug/L |   | 94   | 75 - 123        | 0   | 22           |
| 2,2-Dichloropropane                   | 10.0           | 11.42          |                   | ug/L |   | 114  | 78 - 133        | 3   | 20           |
| 2-Butanone                            | 10.0           | 8.157          |                   | ug/L |   | 82   | 32 - 133        | 3   | 26           |
| 2-Chlorotoluene                       | 10.0           | 10.12          |                   | ug/L |   | 101  | 80 - 120        | 3   | 20           |
| 2-Hexanone                            | 10.0           | 10.55          |                   | ug/L |   | 105  | 57 - 127        | 5   | 21           |
| 4-Chlorotoluene                       | 10.0           | 9.880          |                   | ug/L |   | 99   | 78 - 120        | 1   | 21           |
| 4-Methyl-2-pentanone                  | 10.0           | 9.748          |                   | ug/L |   | 97   | 68 - 120        | 4   | 20           |
| Acetone                               | 10.0           | 8.677          |                   | ug/L |   | 87   | 57 - 133        | 0   | 28           |
| Benzene                               | 10.0           | 10.11          |                   | ug/L |   | 101  | 80 - 120        | 3   | 20           |
| Bromobenzene                          | 10.0           | 9.954          |                   | ug/L |   | 100  | 80 - 124        | 2   | 20           |
| Bromochloromethane                    | 10.0           | 9.791          |                   | ug/L |   | 98   | 76 - 125        | 0   | 20           |
| Bromodichloromethane                  | 10.0           | 10.27          |                   | ug/L |   | 103  | 77 - 141        | 3   | 20           |
| Bromoform                             | 10.0           | 9.990          |                   | ug/L |   | 100  | 46 - 178        | 1   | 23           |
| Bromomethane                          | 10.0           | 9.074          |                   | ug/L |   | 91   | 52 - 162        | 1   | 20           |
| cis-1,2-Dichloroethene                | 10.0           | 10.29          |                   | ug/L |   | 103  | 76 - 122        | 2   | 20           |
| cis-1,3-Dichloropropene               | 10.0           | 10.43          |                   | ug/L |   | 104  | 80 - 122        | 4   | 20           |
| Carbon disulfide                      | 10.0           | 10.40          |                   | ug/L |   | 104  | 66 - 125        | 5   | 20           |
| Carbon tetrachloride                  | 10.0           | 10.82          |                   | ug/L |   | 108  | 69 - 145        | 4   | 20           |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-171354/4

Matrix: Water

Analysis Batch: 171354

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                     | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Chlorobenzene               | 10.0        | 9.699       |                | ug/L |   | 97   | 80 - 120     | 2   | 20        |
| Chloroethane                | 10.0        | 11.00       |                | ug/L |   | 110  | 73 - 139     | 2   | 20        |
| Chloroform                  | 10.0        | 10.08       |                | ug/L |   | 101  | 80 - 120     | 2   | 20        |
| Chloromethane               | 10.0        | 8.849       |                | ug/L |   | 88   | 35 - 159     | 2   | 20        |
| Dibromochloromethane        | 10.0        | 10.37       |                | ug/L |   | 104  | 63 - 151     | 1   | 20        |
| Dibromomethane              | 10.0        | 9.975       |                | ug/L |   | 100  | 80 - 121     | 2   | 20        |
| Dichlorodifluoromethane     | 10.0        | 7.822       |                | ug/L |   | 78   | 59 - 139     | 6   | 20        |
| Ethylbenzene                | 10.0        | 10.16       |                | ug/L |   | 102  | 80 - 120     | 1   | 20        |
| Isopropylbenzene            | 10.0        | 10.65       |                | ug/L |   | 106  | 80 - 124     | 2   | 20        |
| Methylene Chloride          | 10.0        | 10.96       |                | ug/L |   | 110  | 70 - 120     | 1   | 20        |
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 10.30       |                | ug/L |   | 103  | 72 - 120     | 1   | 20        |
| Naphthalene                 | 10.0        | 9.560       |                | ug/L |   | 96   | 75 - 120     | 2   | 22        |
| n-Butylbenzene              | 10.0        | 10.51       |                | ug/L |   | 105  | 76 - 124     | 1   | 23        |
| N-Propylbenzene             | 10.0        | 10.56       |                | ug/L |   | 106  | 80 - 122     | 2   | 20        |
| o-Xylene                    | 10.0        | 10.41       |                | ug/L |   | 104  | 80 - 122     | 1   | 20        |
| m,p-Xylene                  | 20.0        | 20.61       |                | ug/L |   | 103  | 80 - 122     | 1   | 20        |
| p-Isopropyltoluene          | 10.0        | 10.47       |                | ug/L |   | 105  | 77 - 127     | 3   | 21        |
| sec-Butylbenzene            | 10.0        | 10.35       |                | ug/L |   | 104  | 75 - 123     | 2   | 21        |
| Styrene                     | 10.0        | 10.49       |                | ug/L |   | 105  | 80 - 121     | 1   | 20        |
| trans-1,2-Dichloroethene    | 10.0        | 10.12       |                | ug/L |   | 101  | 67 - 123     | 2   | 20        |
| trans-1,3-Dichloropropene   | 10.0        | 10.42       |                | ug/L |   | 104  | 78 - 140     | 0   | 20        |
| tert-Butylbenzene           | 10.0        | 10.06       |                | ug/L |   | 101  | 72 - 128     | 0   | 22        |
| Tetrachloroethene           | 10.0        | 10.17       |                | ug/L |   | 102  | 80 - 128     | 4   | 20        |
| Toluene                     | 10.0        | 10.00       |                | ug/L |   | 100  | 80 - 120     | 3   | 20        |
| Trichloroethene             | 10.0        | 9.827       |                | ug/L |   | 98   | 80 - 123     | 3   | 20        |
| Trichlorofluoromethane      | 10.0        | 10.06       |                | ug/L |   | 101  | 64 - 168     | 4   | 20        |
| Vinyl acetate               | 10.0        | 11.37       |                | ug/L |   | 114  | 75 - 144     | 8   | 25        |
| Vinyl chloride              | 10.0        | 9.264       |                | ug/L |   | 93   | 74 - 130     | 5   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 101            |                | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 103            |                | 71 - 120 |
| Dibromofluoromethane         | 102            |                | 80 - 120 |
| Toluene-d8 (Surr)            | 101            |                | 80 - 120 |

Lab Sample ID: 570-66343-A-6 MS

Matrix: Water

Analysis Batch: 171354

Client Sample ID: Matrix Spike

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,1,1,2-Tetrachloroethane             | ND            |                  | 1000        | 950.1     |              | ug/L |   | 95   | 57 - 157     |
| 1,1,1-Trichloroethane                 | ND            |                  | 1000        | 1005      |              | ug/L |   | 101  | 54 - 152     |
| 1,1,2,2-Tetrachloroethane             | ND            |                  | 1000        | 941.6     |              | ug/L |   | 94   | 67 - 143     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 330           |                  | 1000        | 1129      |              | ug/L |   | 80   | 35 - 132     |
| 1,1,2-Trichloroethane                 | ND            |                  | 1000        | 931.8     |              | ug/L |   | 93   | 70 - 138     |
| 1,1-Dichloroethane                    | 86            |                  | 1000        | 1071      |              | ug/L |   | 99   | 57 - 140     |
| 1,1-Dichloroethene                    | 2300          |                  | 1000        | 2803      |              | ug/L |   | 54   | 48 - 146     |
| 1,1-Dichloropropene                   | ND            |                  | 1000        | 1010      |              | ug/L |   | 101  | 56 - 144     |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-66343-A-6 MS

Matrix: Water

Analysis Batch: 171354

Client Sample ID: Matrix Spike

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,2,3-Trichlorobenzene      | ND            |                  | 1000        | 934.3     |              | ug/L |   | 93   | 66 - 146     |
| 1,2,3-Trichloropropane      | ND            |                  | 1000        | 900.8     |              | ug/L |   | 90   | 66 - 139     |
| 1,2,4-Trichlorobenzene      | ND            |                  | 1000        | 886.1     |              | ug/L |   | 89   | 64 - 146     |
| 1,2,4-Trimethylbenzene      | ND            |                  | 1000        | 964.0     |              | ug/L |   | 96   | 52 - 156     |
| 1,2-Dibromo-3-Chloropropane | ND            |                  | 1000        | 809.5     |              | ug/L |   | 81   | 57 - 145     |
| 1,2-Dibromoethane           | ND            |                  | 1000        | 944.9     |              | ug/L |   | 94   | 69 - 139     |
| 1,2-Dichlorobenzene         | ND            |                  | 1000        | 904.1     |              | ug/L |   | 90   | 63 - 146     |
| 1,2-Dichloroethane          | ND            |                  | 1000        | 989.6     |              | ug/L |   | 99   | 63 - 151     |
| 1,2-Dichloropropane         | ND            |                  | 1000        | 984.3     |              | ug/L |   | 98   | 65 - 143     |
| 1,3,5-Trimethylbenzene      | ND            |                  | 1000        | 1006      |              | ug/L |   | 101  | 58 - 158     |
| 1,3-Dichlorobenzene         | ND            |                  | 1000        | 905.8     |              | ug/L |   | 91   | 61 - 145     |
| 1,3-Dichloropropane         | ND            |                  | 1000        | 895.9     |              | ug/L |   | 90   | 70 - 137     |
| 1,4-Dichlorobenzene         | ND            |                  | 1000        | 870.0     |              | ug/L |   | 87   | 61 - 141     |
| 2,2-Dichloropropane         | ND            |                  | 1000        | 922.9     |              | ug/L |   | 92   | 56 - 148     |
| 2-Butanone                  | ND            |                  | 1000        | 771.9     |              | ug/L |   | 77   | 48 - 141     |
| 2-Chlorotoluene             | ND            |                  | 1000        | 968.8     |              | ug/L |   | 97   | 58 - 145     |
| 2-Hexanone                  | ND            |                  | 1000        | 954.5     |              | ug/L |   | 95   | 61 - 139     |
| 4-Chlorotoluene             | ND            |                  | 1000        | 930.7     |              | ug/L |   | 93   | 59 - 144     |
| 4-Methyl-2-pentanone        | ND            |                  | 1000        | 889.1     |              | ug/L |   | 89   | 63 - 139     |
| Acetone                     | ND            |                  | 1000        | 756.0     | J            | ug/L |   | 76   | 49 - 130     |
| Benzene                     | ND            |                  | 1000        | 998.2     |              | ug/L |   | 100  | 61 - 143     |
| Bromobenzene                | ND            |                  | 1000        | 957.9     |              | ug/L |   | 96   | 64 - 146     |
| Bromochloromethane          | ND            |                  | 1000        | 968.0     |              | ug/L |   | 97   | 65 - 140     |
| Bromodichloromethane        | ND            |                  | 1000        | 1012      |              | ug/L |   | 101  | 61 - 158     |
| Bromoform                   | ND            |                  | 1000        | 908.9     |              | ug/L |   | 91   | 48 - 168     |
| Bromomethane                | ND            |                  | 1000        | 936.4     |              | ug/L |   | 94   | 58 - 175     |
| cis-1,2-Dichloroethene      | 120           |                  | 1000        | 1133      |              | ug/L |   | 101  | 53 - 156     |
| cis-1,3-Dichloropropene     | ND            |                  | 1000        | 946.6     |              | ug/L |   | 95   | 65 - 142     |
| Carbon disulfide            | ND            |                  | 1000        | 1021      |              | ug/L |   | 102  | 48 - 149     |
| Carbon tetrachloride        | ND            |                  | 1000        | 1042      |              | ug/L |   | 104  | 46 - 167     |
| Chlorobenzene               | ND            |                  | 1000        | 945.1     |              | ug/L |   | 95   | 62 - 143     |
| Chloroethane                | ND            |                  | 1000        | 1069      |              | ug/L |   | 107  | 65 - 162     |
| Chloroform                  | ND            |                  | 1000        | 1008      |              | ug/L |   | 101  | 62 - 145     |
| Chloromethane               | ND            |                  | 1000        | 766.2     |              | ug/L |   | 77   | 21 - 171     |
| Dibromochloromethane        | ND            |                  | 1000        | 1002      |              | ug/L |   | 100  | 56 - 156     |
| Dibromomethane              | ND            |                  | 1000        | 995.2     |              | ug/L |   | 100  | 69 - 142     |
| Dichlorodifluoromethane     | ND            |                  | 1000        | 602.0     |              | ug/L |   | 60   | 38 - 159     |
| Ethylbenzene                | ND            |                  | 1000        | 995.3     |              | ug/L |   | 100  | 59 - 145     |
| Isopropylbenzene            | ND            |                  | 1000        | 1028      |              | ug/L |   | 103  | 61 - 149     |
| Methylene Chloride          | ND            |                  | 1000        | 1071      |              | ug/L |   | 107  | 57 - 131     |
| Methyl-t-Butyl Ether (MTBE) | ND            |                  | 1000        | 917.7     |              | ug/L |   | 92   | 62 - 125     |
| Naphthalene                 | ND            |                  | 1000        | 808.6     |              | ug/L |   | 81   | 54 - 148     |
| n-Butylbenzene              | ND            |                  | 1000        | 970.2     |              | ug/L |   | 97   | 57 - 150     |
| N-Propylbenzene             | ND            |                  | 1000        | 1023      |              | ug/L |   | 102  | 60 - 149     |
| o-Xylene                    | ND            |                  | 1000        | 1009      |              | ug/L |   | 101  | 61 - 150     |
| m,p-Xylene                  | ND            |                  | 2000        | 2014      |              | ug/L |   | 101  | 61 - 150     |
| p-Isopropyltoluene          | ND            |                  | 1000        | 973.9     |              | ug/L |   | 97   | 55 - 153     |
| sec-Butylbenzene            | ND            |                  | 1000        | 968.2     |              | ug/L |   | 97   | 57 - 148     |
| Styrene                     | ND            |                  | 1000        | 1022      |              | ug/L |   | 102  | 53 - 146     |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-66343-A-6 MS

Matrix: Water

Analysis Batch: 171354

Client Sample ID: Matrix Spike

Prep Type: Total/NA

| Analyte                   | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| trans-1,2-Dichloroethene  | ND            |                  | 1000        | 990.2     |              | ug/L |   | 99   | 54 - 142     |
| trans-1,3-Dichloropropene | ND            |                  | 1000        | 911.4     |              | ug/L |   | 91   | 66 - 146     |
| tert-Butylbenzene         | ND            |                  | 1000        | 959.1     |              | ug/L |   | 96   | 56 - 148     |
| Tetrachloroethene         | 9900          |                  | 1000        | 13230     | E 4          | ug/L |   | 336  | 52 - 156     |
| Toluene                   | ND            |                  | 1000        | 1000      |              | ug/L |   | 100  | 62 - 145     |
| Trichloroethene           | 9600          |                  | 1000        | 9755      | 4            | ug/L |   | 12   | 35 - 163     |
| Trichlorofluoromethane    | ND            |                  | 1000        | 909.3     |              | ug/L |   | 91   | 75 - 151     |
| Vinyl acetate             | ND            |                  | 1000        | 1183      |              | ug/L |   | 118  | 61 - 170     |
| Vinyl chloride            | ND            |                  | 1000        | 833.6     |              | ug/L |   | 83   | 75 - 139     |

| Surrogate                    | MS %Recovery | MS Qualifier | Limits   |
|------------------------------|--------------|--------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 101          |              | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 103          |              | 71 - 120 |
| Dibromofluoromethane         | 102          |              | 80 - 120 |
| Toluene-d8 (Surr)            | 102          |              | 80 - 120 |

Lab Sample ID: 570-66343-A-6 MSD

Matrix: Water

Analysis Batch: 171354

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane             | ND            |                  | 1000        | 1004       |               | ug/L |   | 100  | 57 - 157     | 6   | 20        |
| 1,1,1-Trichloroethane                 | ND            |                  | 1000        | 1028       |               | ug/L |   | 103  | 54 - 152     | 2   | 26        |
| 1,1,2,2-Tetrachloroethane             | ND            |                  | 1000        | 1018       |               | ug/L |   | 102  | 67 - 143     | 8   | 20        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 330           |                  | 1000        | 1197       |               | ug/L |   | 86   | 35 - 132     | 6   | 36        |
| 1,1,2-Trichloroethane                 | ND            |                  | 1000        | 995.6      |               | ug/L |   | 100  | 70 - 138     | 7   | 20        |
| 1,1-Dichloroethane                    | 86            |                  | 1000        | 1078       |               | ug/L |   | 99   | 57 - 140     | 1   | 22        |
| 1,1-Dichloroethene                    | 2300          |                  | 1000        | 2909       |               | ug/L |   | 65   | 48 - 146     | 4   | 28        |
| 1,1-Dichloropropene                   | ND            |                  | 1000        | 1037       |               | ug/L |   | 104  | 56 - 144     | 3   | 27        |
| 1,2,3-Trichlorobenzene                | ND            |                  | 1000        | 1032       |               | ug/L |   | 103  | 66 - 146     | 10  | 24        |
| 1,2,3-Trichloropropane                | ND            |                  | 1000        | 959.5      |               | ug/L |   | 96   | 66 - 139     | 6   | 20        |
| 1,2,4-Trichlorobenzene                | ND            |                  | 1000        | 972.0      |               | ug/L |   | 97   | 64 - 146     | 9   | 25        |
| 1,2,4-Trimethylbenzene                | ND            |                  | 1000        | 1035       |               | ug/L |   | 103  | 52 - 156     | 7   | 24        |
| 1,2-Dibromo-3-Chloropropane           | ND            |                  | 1000        | 881.4      |               | ug/L |   | 88   | 57 - 145     | 8   | 21        |
| 1,2-Dibromoethane                     | ND            |                  | 1000        | 972.0      |               | ug/L |   | 97   | 69 - 139     | 3   | 20        |
| 1,2-Dichlorobenzene                   | ND            |                  | 1000        | 975.6      |               | ug/L |   | 98   | 63 - 146     | 8   | 20        |
| 1,2-Dichloroethane                    | ND            |                  | 1000        | 1009       |               | ug/L |   | 101  | 63 - 151     | 2   | 20        |
| 1,2-Dichloropropane                   | ND            |                  | 1000        | 994.4      |               | ug/L |   | 99   | 65 - 143     | 1   | 20        |
| 1,3,5-Trimethylbenzene                | ND            |                  | 1000        | 1049       |               | ug/L |   | 105  | 58 - 158     | 4   | 26        |
| 1,3-Dichlorobenzene                   | ND            |                  | 1000        | 977.9      |               | ug/L |   | 98   | 61 - 145     | 8   | 22        |
| 1,3-Dichloropropane                   | ND            |                  | 1000        | 946.5      |               | ug/L |   | 95   | 70 - 137     | 5   | 20        |
| 1,4-Dichlorobenzene                   | ND            |                  | 1000        | 951.2      |               | ug/L |   | 95   | 61 - 141     | 9   | 22        |
| 2,2-Dichloropropane                   | ND            |                  | 1000        | 937.0      |               | ug/L |   | 94   | 56 - 148     | 2   | 26        |
| 2-Butanone                            | ND            |                  | 1000        | 1005       |               | ug/L |   | 101  | 48 - 141     | 26  | 26        |
| 2-Chlorotoluene                       | ND            |                  | 1000        | 1019       |               | ug/L |   | 102  | 58 - 145     | 5   | 25        |
| 2-Hexanone                            | ND            |                  | 1000        | 1009       |               | ug/L |   | 101  | 61 - 139     | 6   | 21        |
| 4-Chlorotoluene                       | ND            |                  | 1000        | 1004       |               | ug/L |   | 100  | 59 - 144     | 8   | 24        |
| 4-Methyl-2-pentanone                  | ND            |                  | 1000        | 905.4      |               | ug/L |   | 91   | 63 - 139     | 2   | 20        |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-66343-A-6 MSD

Matrix: Water

Analysis Batch: 171354

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Acetone                     | ND            |                  | 1000        | 772.2      | J             | ug/L |   | 77   | 49 - 130     | 2   | 26        |
| Benzene                     | ND            |                  | 1000        | 1013       |               | ug/L |   | 101  | 61 - 143     | 2   | 20        |
| Bromobenzene                | ND            |                  | 1000        | 1001       |               | ug/L |   | 100  | 64 - 146     | 4   | 20        |
| Bromochloromethane          | ND            |                  | 1000        | 1007       |               | ug/L |   | 101  | 65 - 140     | 4   | 20        |
| Bromodichloromethane        | ND            |                  | 1000        | 1023       |               | ug/L |   | 102  | 61 - 158     | 1   | 20        |
| Bromoform                   | ND            |                  | 1000        | 987.0      |               | ug/L |   | 99   | 48 - 168     | 8   | 20        |
| Bromomethane                | ND            |                  | 1000        | 908.3      |               | ug/L |   | 91   | 58 - 175     | 3   | 22        |
| cis-1,2-Dichloroethene      | 120           |                  | 1000        | 1152       |               | ug/L |   | 103  | 53 - 156     | 2   | 20        |
| cis-1,3-Dichloropropene     | ND            |                  | 1000        | 975.7      |               | ug/L |   | 98   | 65 - 142     | 3   | 20        |
| Carbon disulfide            | ND            |                  | 1000        | 1056       |               | ug/L |   | 106  | 48 - 149     | 3   | 25        |
| Carbon tetrachloride        | ND            |                  | 1000        | 1064       |               | ug/L |   | 106  | 46 - 167     | 2   | 29        |
| Chlorobenzene               | ND            |                  | 1000        | 978.4      |               | ug/L |   | 98   | 62 - 143     | 3   | 20        |
| Chloroethane                | ND            |                  | 1000        | 1124       |               | ug/L |   | 112  | 65 - 162     | 5   | 20        |
| Chloroform                  | ND            |                  | 1000        | 1038       |               | ug/L |   | 104  | 62 - 145     | 3   | 20        |
| Chloromethane               | ND            |                  | 1000        | 871.7      |               | ug/L |   | 87   | 21 - 171     | 13  | 20        |
| Dibromochloromethane        | ND            |                  | 1000        | 1069       |               | ug/L |   | 107  | 56 - 156     | 6   | 20        |
| Dibromomethane              | ND            |                  | 1000        | 991.6      |               | ug/L |   | 99   | 69 - 142     | 0   | 20        |
| Dichlorodifluoromethane     | ND            |                  | 1000        | 676.8      |               | ug/L |   | 68   | 38 - 159     | 12  | 21        |
| Ethylbenzene                | ND            |                  | 1000        | 1043       |               | ug/L |   | 104  | 59 - 145     | 5   | 23        |
| Isopropylbenzene            | ND            |                  | 1000        | 1071       |               | ug/L |   | 107  | 61 - 149     | 4   | 28        |
| Methylene Chloride          | ND            |                  | 1000        | 1102       |               | ug/L |   | 110  | 57 - 131     | 3   | 21        |
| Methyl-t-Butyl Ether (MTBE) | ND            |                  | 1000        | 968.4      |               | ug/L |   | 97   | 62 - 125     | 5   | 20        |
| Naphthalene                 | ND            |                  | 1000        | 918.3      |               | ug/L |   | 92   | 54 - 148     | 13  | 22        |
| n-Butylbenzene              | ND            |                  | 1000        | 1055       |               | ug/L |   | 106  | 57 - 150     | 8   | 30        |
| N-Propylbenzene             | ND            |                  | 1000        | 1077       |               | ug/L |   | 108  | 60 - 149     | 5   | 29        |
| o-Xylene                    | ND            |                  | 1000        | 1056       |               | ug/L |   | 106  | 61 - 150     | 5   | 20        |
| m,p-Xylene                  | ND            |                  | 2000        | 2124       |               | ug/L |   | 106  | 61 - 150     | 5   | 23        |
| p-Isopropyltoluene          | ND            |                  | 1000        | 1049       |               | ug/L |   | 105  | 55 - 153     | 7   | 28        |
| sec-Butylbenzene            | ND            |                  | 1000        | 1048       |               | ug/L |   | 105  | 57 - 148     | 8   | 31        |
| Styrene                     | ND            |                  | 1000        | 1075       |               | ug/L |   | 107  | 53 - 146     | 5   | 22        |
| trans-1,2-Dichloroethene    | ND            |                  | 1000        | 1029       |               | ug/L |   | 103  | 54 - 142     | 4   | 25        |
| trans-1,3-Dichloropropene   | ND            |                  | 1000        | 976.8      |               | ug/L |   | 98   | 66 - 146     | 7   | 20        |
| tert-Butylbenzene           | ND            |                  | 1000        | 1029       |               | ug/L |   | 103  | 56 - 148     | 7   | 28        |
| Tetrachloroethene           | 9900          |                  | 1000        | 12880      | E 4           | ug/L |   | 301  | 52 - 156     | 3   | 26        |
| Toluene                     | ND            |                  | 1000        | 1008       |               | ug/L |   | 101  | 62 - 145     | 1   | 21        |
| Trichloroethene             | 9600          |                  | 1000        | 9586       | 4             | ug/L |   | -4   | 35 - 163     | 2   | 21        |
| Trichlorofluoromethane      | ND            |                  | 1000        | 951.7      |               | ug/L |   | 95   | 75 - 151     | 5   | 20        |
| Vinyl acetate               | ND            |                  | 1000        | 1204       |               | ug/L |   | 120  | 61 - 170     | 2   | 27        |
| Vinyl chloride              | ND            |                  | 1000        | 906.1      |               | ug/L |   | 91   | 75 - 139     | 8   | 20        |

| Surrogate                    | MSD %Recovery | MSD Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 103           |               | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 101           |               | 71 - 120 |
| Dibromofluoromethane         | 106           |               | 80 - 120 |
| Toluene-d8 (Surr)            | 101           |               | 80 - 120 |

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-171756/7

Matrix: Water

Analysis Batch: 171756

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte           | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-------------------|-----------|--------------|------|------|------|---|----------|----------------|---------|
| Tetrachloroethene | ND        |              | 0.50 | 0.29 | ug/L |   |          | 08/16/21 23:22 | 1       |
| Trichloroethene   | ND        |              | 0.50 | 0.29 | ug/L |   |          | 08/16/21 23:22 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 108          |              | 68 - 135 |          | 08/16/21 23:22 | 1       |
| 4-Bromofluorobenzene (Surr)  | 98           |              | 71 - 120 |          | 08/16/21 23:22 | 1       |
| Dibromofluoromethane         | 102          |              | 80 - 120 |          | 08/16/21 23:22 | 1       |
| Toluene-d8 (Surr)            | 100          |              | 80 - 120 |          | 08/16/21 23:22 | 1       |

Lab Sample ID: LCS 570-171756/3

Matrix: Water

Analysis Batch: 171756

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte           | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------|-------------|------------|---------------|------|---|------|--------------|
| Tetrachloroethene | 10.0        | 12.49      |               | ug/L |   | 125  | 80 - 128     |
| Trichloroethene   | 10.0        | 10.36      |               | ug/L |   | 104  | 80 - 123     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 112           |               | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 99            |               | 71 - 120 |
| Dibromofluoromethane         | 103           |               | 80 - 120 |
| Toluene-d8 (Surr)            | 98            |               | 80 - 120 |

Lab Sample ID: LCSD 570-171756/4

Matrix: Water

Analysis Batch: 171756

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte           | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Tetrachloroethene | 10.0        | 11.23       |                | ug/L |   | 112  | 80 - 128     | 11  | 20        |
| Trichloroethene   | 10.0        | 9.797       |                | ug/L |   | 98   | 80 - 123     | 6   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 109            |                | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 97             |                | 71 - 120 |
| Dibromofluoromethane         | 99             |                | 80 - 120 |
| Toluene-d8 (Surr)            | 99             |                | 80 - 120 |

# QC Association Summary

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

## GC/MS VOA

### Analysis Batch: 171352

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 570-66367-1       | TB-080521              | Total/NA  | Water  | 8260B  |            |
| 570-66367-2       | S-07                   | Total/NA  | Water  | 8260B  |            |
| 570-66367-3       | UA-02                  | Total/NA  | Water  | 8260B  |            |
| 570-66367-4       | UA-08D                 | Total/NA  | Water  | 8260B  |            |
| 570-66367-5       | UA-08                  | Total/NA  | Water  | 8260B  |            |
| 570-66367-6       | RB-080521A             | Total/NA  | Water  | 8260B  |            |
| 570-66367-7       | SE-04                  | Total/NA  | Water  | 8260B  |            |
| 570-66367-8       | SE-0400                | Total/NA  | Water  | 8260B  |            |
| 570-66367-9       | S-15                   | Total/NA  | Water  | 8260B  |            |
| 570-66367-10      | S-02                   | Total/NA  | Water  | 8260B  |            |
| 570-66367-11      | S-08                   | Total/NA  | Water  | 8260B  |            |
| MB 570-171352/6   | Method Blank           | Total/NA  | Water  | 8260B  |            |
| LCS 570-171352/3  | Lab Control Sample     | Total/NA  | Water  | 8260B  |            |
| LCSD 570-171352/4 | Lab Control Sample Dup | Total/NA  | Water  | 8260B  |            |
| 570-66240-A-4 MS  | Matrix Spike           | Total/NA  | Water  | 8260B  |            |
| 570-66240-A-4 MSD | Matrix Spike Duplicate | Total/NA  | Water  | 8260B  |            |

### Analysis Batch: 171354

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 570-66367-12      | SE-01                  | Total/NA  | Water  | 8260B  |            |
| 570-66367-13      | UA-10D                 | Total/NA  | Water  | 8260B  |            |
| 570-66367-14      | RB-080521B             | Total/NA  | Water  | 8260B  |            |
| 570-66367-15      | UA-11D                 | Total/NA  | Water  | 8260B  |            |
| 570-66367-16      | UA-11                  | Total/NA  | Water  | 8260B  |            |
| 570-66367-17      | S-30                   | Total/NA  | Water  | 8260B  |            |
| 570-66367-18      | S-3000                 | Total/NA  | Water  | 8260B  |            |
| 570-66367-19      | S-31                   | Total/NA  | Water  | 8260B  |            |
| 570-66367-20      | S-29                   | Total/NA  | Water  | 8260B  |            |
| 570-66367-21      | UA-12D                 | Total/NA  | Water  | 8260B  |            |
| 570-66367-22      | UA-12                  | Total/NA  | Water  | 8260B  |            |
| 570-66367-23      | UA-14D                 | Total/NA  | Water  | 8260B  |            |
| MB 570-171354/6   | Method Blank           | Total/NA  | Water  | 8260B  |            |
| LCS 570-171354/3  | Lab Control Sample     | Total/NA  | Water  | 8260B  |            |
| LCSD 570-171354/4 | Lab Control Sample Dup | Total/NA  | Water  | 8260B  |            |
| 570-66343-A-6 MS  | Matrix Spike           | Total/NA  | Water  | 8260B  |            |
| 570-66343-A-6 MSD | Matrix Spike Duplicate | Total/NA  | Water  | 8260B  |            |

### Analysis Batch: 171756

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 570-66367-2 - RA  | S-07                   | Total/NA  | Water  | 8260B  |            |
| 570-66367-3 - RA  | UA-02                  | Total/NA  | Water  | 8260B  |            |
| MB 570-171756/7   | Method Blank           | Total/NA  | Water  | 8260B  |            |
| LCS 570-171756/3  | Lab Control Sample     | Total/NA  | Water  | 8260B  |            |
| LCSD 570-171756/4 | Lab Control Sample Dup | Total/NA  | Water  | 8260B  |            |

# Lab Chronicle

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

**Client Sample ID: TB-080521**

**Lab Sample ID: 570-66367-1**

**Date Collected: 08/05/21 08:00**

**Matrix: Water**

**Date Received: 08/05/21 16:36**

| Prep Type            | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA             | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171352       | 08/14/21 14:03       | N1A     | ECL 2 |
| Instrument ID: GCMSL |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: S-07**

**Lab Sample ID: 570-66367-2**

**Date Collected: 08/05/21 08:45**

**Matrix: Water**

**Date Received: 08/05/21 16:36**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171352       | 08/14/21 17:14       | N1A     | ECL 2 |
| Instrument ID: GCMSL  |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Analysis   | 8260B        | RA  | 1          | 20 mL          | 20 mL        | 171756       | 08/16/21 23:50       | A1W     | ECL 2 |
| Instrument ID: GCMSRR |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UA-02**

**Lab Sample ID: 570-66367-3**

**Date Collected: 08/05/21 08:55**

**Matrix: Water**

**Date Received: 08/05/21 16:36**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171352       | 08/14/21 17:41       | N1A     | ECL 2 |
| Instrument ID: GCMSL  |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Analysis   | 8260B        | RA  | 1          | 20 mL          | 20 mL        | 171756       | 08/17/21 00:18       | A1W     | ECL 2 |
| Instrument ID: GCMSRR |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UA-08D**

**Lab Sample ID: 570-66367-4**

**Date Collected: 08/05/21 09:25**

**Matrix: Water**

**Date Received: 08/05/21 16:36**

| Prep Type            | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA             | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171352       | 08/14/21 18:08       | N1A     | ECL 2 |
| Instrument ID: GCMSL |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UA-08**

**Lab Sample ID: 570-66367-5**

**Date Collected: 08/05/21 09:35**

**Matrix: Water**

**Date Received: 08/05/21 16:36**

| Prep Type            | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA             | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171352       | 08/14/21 18:36       | N1A     | ECL 2 |
| Instrument ID: GCMSL |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: RB-080521A**

**Lab Sample ID: 570-66367-6**

**Date Collected: 08/05/21 09:40**

**Matrix: Water**

**Date Received: 08/05/21 16:36**

| Prep Type            | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA             | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171352       | 08/14/21 19:03       | N1A     | ECL 2 |
| Instrument ID: GCMSL |            |              |     |            |                |              |              |                      |         |       |

Eurofins Calscience LLC



# Lab Chronicle

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

**Client Sample ID: SE-04**

**Date Collected: 08/05/21 09:50**

**Date Received: 08/05/21 16:36**

**Lab Sample ID: 570-66367-7**

**Matrix: Water**

| Prep Type            | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA             | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171352       | 08/14/21 19:30       | N1A     | ECL 2 |
| Instrument ID: GCMSL |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: SE-0400**

**Date Collected: 08/05/21 09:55**

**Date Received: 08/05/21 16:36**

**Lab Sample ID: 570-66367-8**

**Matrix: Water**

| Prep Type            | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA             | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171352       | 08/14/21 19:57       | N1A     | ECL 2 |
| Instrument ID: GCMSL |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: S-15**

**Date Collected: 08/05/21 11:25**

**Date Received: 08/05/21 16:36**

**Lab Sample ID: 570-66367-9**

**Matrix: Water**

| Prep Type            | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA             | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171352       | 08/14/21 20:25       | N1A     | ECL 2 |
| Instrument ID: GCMSL |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: S-02**

**Date Collected: 08/05/21 11:40**

**Date Received: 08/05/21 16:36**

**Lab Sample ID: 570-66367-10**

**Matrix: Water**

| Prep Type            | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA             | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171352       | 08/14/21 20:52       | N1A     | ECL 2 |
| Instrument ID: GCMSL |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: S-08**

**Date Collected: 08/05/21 12:20**

**Date Received: 08/05/21 16:36**

**Lab Sample ID: 570-66367-11**

**Matrix: Water**

| Prep Type            | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA             | Analysis   | 8260B        |     | 50         | 20 mL          | 20 mL        | 171352       | 08/14/21 21:19       | N1A     | ECL 2 |
| Instrument ID: GCMSL |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: SE-01**

**Date Collected: 08/05/21 12:30**

**Date Received: 08/05/21 16:36**

**Lab Sample ID: 570-66367-12**

**Matrix: Water**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 200        | 20 mL          | 20 mL        | 171354       | 08/14/21 16:29       | P3GT    | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |



# Lab Chronicle

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

**Client Sample ID: UA-10D**

**Date Collected: 08/05/21 08:50**

**Date Received: 08/05/21 16:36**

**Lab Sample ID: 570-66367-13**

**Matrix: Water**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171354       | 08/14/21 16:55       | P3GT    | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: RB-080521B**

**Date Collected: 08/05/21 09:20**

**Date Received: 08/05/21 16:36**

**Lab Sample ID: 570-66367-14**

**Matrix: Water**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171354       | 08/14/21 17:21       | P3GT    | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UA-11D**

**Date Collected: 08/05/21 09:25**

**Date Received: 08/05/21 16:36**

**Lab Sample ID: 570-66367-15**

**Matrix: Water**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171354       | 08/14/21 17:46       | P3GT    | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UA-11**

**Date Collected: 08/05/21 09:30**

**Date Received: 08/05/21 16:36**

**Lab Sample ID: 570-66367-16**

**Matrix: Water**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171354       | 08/14/21 18:12       | P3GT    | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: S-30**

**Date Collected: 08/05/21 09:50**

**Date Received: 08/05/21 16:36**

**Lab Sample ID: 570-66367-17**

**Matrix: Water**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171354       | 08/14/21 18:37       | P3GT    | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: S-3000**

**Date Collected: 08/05/21 10:50**

**Date Received: 08/05/21 16:36**

**Lab Sample ID: 570-66367-18**

**Matrix: Water**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171354       | 08/14/21 19:03       | P3GT    | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

# Lab Chronicle

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

**Client Sample ID: S-31**

**Lab Sample ID: 570-66367-19**

**Date Collected: 08/05/21 11:20**

**Matrix: Water**

**Date Received: 08/05/21 16:36**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171354       | 08/14/21 19:29       | P3GT    | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: S-29**

**Lab Sample ID: 570-66367-20**

**Date Collected: 08/05/21 11:55**

**Matrix: Water**

**Date Received: 08/05/21 16:36**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171354       | 08/14/21 19:54       | P3GT    | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UA-12D**

**Lab Sample ID: 570-66367-21**

**Date Collected: 08/05/21 12:05**

**Matrix: Water**

**Date Received: 08/05/21 16:36**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171354       | 08/14/21 20:20       | P3GT    | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UA-12**

**Lab Sample ID: 570-66367-22**

**Date Collected: 08/05/21 12:15**

**Matrix: Water**

**Date Received: 08/05/21 16:36**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171354       | 08/14/21 20:45       | P3GT    | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UA-14D**

**Lab Sample ID: 570-66367-23**

**Date Collected: 08/05/21 12:30**

**Matrix: Water**

**Date Received: 08/05/21 16:36**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 171354       | 08/14/21 21:11       | P3GT    | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

## Laboratory References:

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

Laboratory: Eurofins Calscience LLC

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Oregon    | NELAP   | CA300001              | 01-30-22        |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

## Method Summary

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

| Method | Method Description                 | Protocol | Laboratory |
|--------|------------------------------------|----------|------------|
| 8260B  | Volatile Organic Compounds (GC/MS) | SW846    | ECL 2      |
| 5030C  | Purge and Trap                     | SW846    | ECL 2      |

### Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

## Sample Summary

Client: Hargis + Associates, Inc.  
Project/Site: Buiding 684 - Raytheon

Job ID: 570-66367-1

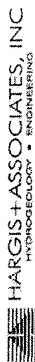
| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 570-66367-1   | TB-080521        | Water  | 08/05/21 08:00 | 08/05/21 16:36 |
| 570-66367-2   | S-07             | Water  | 08/05/21 08:45 | 08/05/21 16:36 |
| 570-66367-3   | UA-02            | Water  | 08/05/21 08:55 | 08/05/21 16:36 |
| 570-66367-4   | UA-08D           | Water  | 08/05/21 09:25 | 08/05/21 16:36 |
| 570-66367-5   | UA-08            | Water  | 08/05/21 09:35 | 08/05/21 16:36 |
| 570-66367-6   | RB-080521A       | Water  | 08/05/21 09:40 | 08/05/21 16:36 |
| 570-66367-7   | SE-04            | Water  | 08/05/21 09:50 | 08/05/21 16:36 |
| 570-66367-8   | SE-0400          | Water  | 08/05/21 09:55 | 08/05/21 16:36 |
| 570-66367-9   | S-15             | Water  | 08/05/21 11:25 | 08/05/21 16:36 |
| 570-66367-10  | S-02             | Water  | 08/05/21 11:40 | 08/05/21 16:36 |
| 570-66367-11  | S-08             | Water  | 08/05/21 12:20 | 08/05/21 16:36 |
| 570-66367-12  | SE-01            | Water  | 08/05/21 12:30 | 08/05/21 16:36 |
| 570-66367-13  | UA-10D           | Water  | 08/05/21 08:50 | 08/05/21 16:36 |
| 570-66367-14  | RB-080521B       | Water  | 08/05/21 09:20 | 08/05/21 16:36 |
| 570-66367-15  | UA-11D           | Water  | 08/05/21 09:25 | 08/05/21 16:36 |
| 570-66367-16  | UA-11            | Water  | 08/05/21 09:30 | 08/05/21 16:36 |
| 570-66367-17  | S-30             | Water  | 08/05/21 09:50 | 08/05/21 16:36 |
| 570-66367-18  | S-3000           | Water  | 08/05/21 10:50 | 08/05/21 16:36 |
| 570-66367-19  | S-31             | Water  | 08/05/21 11:20 | 08/05/21 16:36 |
| 570-66367-20  | S-29             | Water  | 08/05/21 11:55 | 08/05/21 16:36 |
| 570-66367-21  | UA-12D           | Water  | 08/05/21 12:05 | 08/05/21 16:36 |
| 570-66367-22  | UA-12            | Water  | 08/05/21 12:15 | 08/05/21 16:36 |
| 570-66367-23  | UA-14D           | Water  | 08/05/21 12:30 | 08/05/21 16:36 |



Loc. 570  
66367

Date 8/5/21  
Page 1 of 2

570-66367 Chain of Custody



PROJECT Building 684 - Raytheon  
TASK NO 764 10

Project Manager Steve Netto  
QA Manager Andrew Donnelly  
Phone 858-455-6500

| Project                                 | Sampled By               | SAMPLE COLLECTION |      | MATRIX      | PRESERVATION            | CONTAINERS   | ANALYSIS REQUESTED | ESTIMATED CONCENTRATION |        |           |        | SPECIAL HANDLING | REMARKS |
|-----------------------------------------|--------------------------|-------------------|------|-------------|-------------------------|--------------|--------------------|-------------------------|--------|-----------|--------|------------------|---------|
|                                         |                          | Date              | Time |             |                         |              |                    | 0-10                    | 10-100 | 100-1,000 | >1,000 |                  |         |
| BCI Fullerton<br>764 10                 | A. O'DONNELLY<br>A. JANG | 08/05/21          | 0800 | Groundwater | Hydrochloric Acid (HCl) | 500 mL Amber | VOCs by EPA 8260B  | 1,4-Dioxane by 8270 MOD |        |           |        |                  |         |
| 1                                       | TB-080521                | 08/05/21          | 0800 |             | X                       | 40-ml VOA    | X                  |                         |        |           |        |                  |         |
| 2                                       | S-07                     | 08/05/21          | 0845 |             | X                       |              | X                  |                         |        |           |        |                  |         |
| 3                                       | UA-02                    | 08/05/21          | 0855 |             | X                       |              | X                  |                         |        |           |        |                  |         |
| 4                                       | UA-08D                   | 08/05/21          | 0925 |             | X                       |              | X                  |                         |        |           |        |                  |         |
| 5                                       | UA-08                    | 08/05/21          | 0935 |             | X                       |              | X                  |                         |        |           |        |                  |         |
| 6                                       | RB-080521A               | 08/05/21          | 0940 |             | X                       |              | X                  |                         |        |           |        |                  |         |
| 7                                       | SE-04                    | 08/05/21          | 0950 |             | X                       |              | X                  |                         |        |           |        |                  |         |
| 8                                       | SE-0400                  | 08/05/21          | 0955 |             | X                       |              | X                  |                         |        |           |        |                  |         |
| 9                                       | S-15                     | 08/05/21          | 1125 |             | X                       |              | X                  |                         |        |           |        |                  |         |
| 10                                      | S-02                     | 08/05/21          | 1140 |             | X                       |              | X                  |                         |        |           |        |                  |         |
| 11                                      | S-08                     | 08/05/21          | 1220 |             | X                       |              | X                  |                         |        |           |        |                  |         |
| 12                                      | SE-01                    | 08/05/21          | 1230 |             | X                       |              | X                  |                         |        |           |        |                  |         |
| Total number of containers per analysis |                          |                   |      |             |                         |              |                    |                         |        |           |        |                  |         |

Comments Report "J" Flags  
Geotracker ID T0605900143, Log Code HARG  
Field Point ID = QCTB for Trip Blanks ("TB-"), QCRB for Equipment Rinsate Blanks (RB-), all other samples Field Point ID = Sample ID

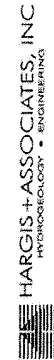
| Relinquished By: / Company | Date / Time    | Received By: / Company | Date / Time |
|----------------------------|----------------|------------------------|-------------|
| A O'Donnelly / H+A         | 8/5/21 1550    | Steve Netto / ECI      | 8/5/21 1550 |
| Andrew Donnelly / ECI      | 8-5-2021 16:36 | Steve Netto / ECI      | 8/5/21 1636 |

Send Results to  
Steve Netto  
9171 Towne Centre Dr  
Suite 375  
San Diego, CA 92122  
Ph 858-455-6500  
snetto@hargis.com

No of containers correct  
Received in good condition  
Custody seals secure  
Conforms to COC document

Temperature on receipt

3.5/3.1 506



PROJECT Building 684 - Raytheon  
TASK NO 764 10

Project Manager Steve Netto  
QA Manager Andrew Donnelly  
Phone 858-455-6500

Date 08-05-21  
Page 2 of 2

| LAB ID | SAMPLE ID  | SAMPLE COLLECTION |      | MATRIX      | PRESERVATION       | CONTAINERS              | ANALYSIS REQUESTED | ESTIMATED CONCENTRATION | SPECIAL HANDLING | REMARKS           |                         |      |        |           |        |              |                  |
|--------|------------|-------------------|------|-------------|--------------------|-------------------------|--------------------|-------------------------|------------------|-------------------|-------------------------|------|--------|-----------|--------|--------------|------------------|
|        |            | Date              | Time |             |                    |                         |                    |                         |                  |                   |                         |      |        |           |        |              |                  |
| 13     | WA-100     | 08-05-21          | 0950 | Groundwater | Lab prepared water | Hydrochloric Acid (HCl) | ice                | 40-ml VOA               | 500 mL Amber     | VOCs by EPA 8260B | 1,4-Dioxane by 8270 MOD | 0-10 | 10-100 | 100-1,000 | >1,000 | Standard TAT | MS/MSD Requested |
| 14     | RB-090521B | 08-05-21          | 0920 |             | X                  | X                       | X                  | X                       | X                | X                 | X                       | X    | X      | X         | X      | X            | X                |
| 15     | WA-110     | 08-05-21          | 0925 |             | X                  | X                       | X                  | X                       | X                | X                 | X                       | X    | X      | X         | X      | X            | X                |
| 16     | WA-11      | 08-05-21          | 0930 |             | X                  | X                       | X                  | X                       | X                | X                 | X                       | X    | X      | X         | X      | X            | X                |
| 17     | S-30       | 08-05-21          | 0950 |             | X                  | X                       | X                  | X                       | X                | X                 | X                       | X    | X      | X         | X      | X            | X                |
| 18     | S-3000     | 08-05-21          | 1050 |             | X                  | X                       | X                  | X                       | X                | X                 | X                       | X    | X      | X         | X      | X            | X                |
| 19     | S-31       | 08-05-21          | 1120 |             | X                  | X                       | X                  | X                       | X                | X                 | X                       | X    | X      | X         | X      | X            | X                |
| 20     | S-79       | 08-05-21          | 1155 |             | X                  | X                       | X                  | X                       | X                | X                 | X                       | X    | X      | X         | X      | X            | X                |
| 21     | WA-120     | 08-05-21          | 1205 |             | X                  | X                       | X                  | X                       | X                | X                 | X                       | X    | X      | X         | X      | X            | X                |
| 22     | WA-12      | 08-05-21          | 1215 |             | X                  | X                       | X                  | X                       | X                | X                 | X                       | X    | X      | X         | X      | X            | X                |
| 23     | WA-140     | 08-05-21          | 1236 |             | X                  | X                       | X                  | X                       | X                | X                 | X                       | X    | X      | X         | X      | X            | X                |

Total number of containers per analysis:

Comments Report "J" Flags

Geotracker ID T0605900143, Log Code HARG

Field Point ID = QCTB for Trip Blanks ("TB-"), QCRB for Equipment Rinsate Blanks (RB-), all other samples Field Point ID = Sample ID

Relinquished By: / Company:

Date / Time Received By: / Company

Date / Time Received By: / Company

Date / Time Received By: / Company

Date / Time Received By: / Company

Date / Time Received By: / Company

Date / Time Received By: / Company

No of containers correct  
Received in good condition  
Custody seals secure  
Conforms to COC document

Send Results to  
Steve Netto  
9171 Towne Centre Dr  
Suite 375  
San Diego, CA 92122  
Ph 858-455-6500  
snetto@hargis.com

Temperature on receipt

## Login Sample Receipt Checklist

Client: Hargis + Associates, Inc.

Job Number: 570-66367-1

**Login Number: 66367**

**List Source: Eurofins Calscience LLC**

**List Number: 1**

**Creator: Cruise, Noel**

| Question                                                                                     | Answer | Comment |
|----------------------------------------------------------------------------------------------|--------|---------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.          | 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 $<6\text{mm}$ ( $1/4"$ ). | True   |         |
| Multiphasic samples are not present.                                                         | True   |         |
| Samples do not require splitting or compositing.                                             | True   |         |
| Residual Chlorine Checked.                                                                   | N/A    |         |



## ANALYTICAL REPORT

Eurofins Calscience LLC  
7440 Lincoln Way  
Garden Grove, CA 92841  
Tel: (714)895-5494

Laboratory Job ID: 570-76016-1  
Client Project/Site: Raytheon Main/764.10

For:  
Hargis + Associates, Inc.  
La Jolla Gateway  
9171 Towne Centre Drive  
Suite 375  
San Diego, California 92122

Attn: Steve Netto

*Virendra R Patel*

Authorized for release by:  
11/30/2021 3:52:22 PM

Virendra Patel, Project Manager I  
(714)895-5494  
[Virendra.Patel@eurofinset.com](mailto:Virendra.Patel@eurofinset.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Definitions/Glossary

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Qualifiers

### GC/MS VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### GC/MS Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

## 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                                                                                       |

# Case Narrative

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

**Job ID: 570-76016-1**

**Laboratory: Eurofins Calscience LLC**

## Narrative

### Job Narrative 570-76016-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 11/16/2021 5:14 PM. 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 was 4.1° C.

#### GC/MS VOA

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

#### GC/MS Semi VOA

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

#### Organic Prep

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

#### VOA Prep

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

# Detection Summary

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Client Sample ID: UAX-03

## Lab Sample ID: 570-76016-1

| Analyte            | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method       | Prep Type |
|--------------------|--------|-----------|------|------|------|---------|---|--------------|-----------|
| 1,1-Dichloroethene | 0.47   | J         | 0.50 | 0.39 | ug/L | 1       |   | 8260B        | Total/NA  |
| Trichloroethene    | 8.7    |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B        | Total/NA  |
| 1,4-Dioxane        | 0.35   | J         | 0.50 | 0.34 | ug/L | 1       |   | 8270C SIM ID | Total/NA  |

## Client Sample ID: TB-111621

## Lab Sample ID: 570-76016-2

No Detections.

## Client Sample ID: RB-111621

## Lab Sample ID: 570-76016-3

No Detections.

## Client Sample ID: HEW-0300

## Lab Sample ID: 570-76016-4

| Analyte           | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method       | Prep Type |
|-------------------|--------|-----------|------|------|------|---------|---|--------------|-----------|
| Tetrachloroethene | 2.6    |           | 2.0  | 1.2  | ug/L | 4       |   | 8260B        | Total/NA  |
| Trichloroethene   | 110    |           | 2.0  | 1.2  | ug/L | 4       |   | 8260B        | Total/NA  |
| 1,4-Dioxane       | 0.43   | J         | 0.50 | 0.34 | ug/L | 1       |   | 8270C SIM ID | Total/NA  |

## Client Sample ID: LAX-01

## Lab Sample ID: 570-76016-5

No Detections.

## Client Sample ID: LAX-02

## Lab Sample ID: 570-76016-6

No Detections.

## Client Sample ID: LAX-03

## Lab Sample ID: 570-76016-7

| Analyte         | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|-----------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| Trichloroethene | 0.37   | J         | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |

## Client Sample ID: UAX-01

## Lab Sample ID: 570-76016-8

| Analyte            | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|--------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| 1,1-Dichloroethene | 1.3    |           | 0.50 | 0.39 | ug/L | 1       |   | 8260B  | Total/NA  |
| Trichloroethene    | 3.5    |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |

## Client Sample ID: UAX-02

## Lab Sample ID: 570-76016-9

| Analyte            | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method       | Prep Type |
|--------------------|--------|-----------|------|------|------|---------|---|--------------|-----------|
| 1,1-Dichloroethene | 3.0    |           | 0.50 | 0.39 | ug/L | 1       |   | 8260B        | Total/NA  |
| Trichloroethene    | 4.3    |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B        | Total/NA  |
| 1,4-Dioxane        | 1.3    |           | 0.50 | 0.34 | ug/L | 1       |   | 8270C SIM ID | Total/NA  |

## Client Sample ID: HEW-01

## Lab Sample ID: 570-76016-10

| Analyte           | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method       | Prep Type |
|-------------------|--------|-----------|------|------|------|---------|---|--------------|-----------|
| Tetrachloroethene | 13     |           | 5.0  | 2.9  | ug/L | 10      |   | 8260B        | Total/NA  |
| Trichloroethene   | 820    |           | 5.0  | 2.9  | ug/L | 10      |   | 8260B        | Total/NA  |
| 1,4-Dioxane       | 0.90   |           | 0.50 | 0.34 | ug/L | 1       |   | 8270C SIM ID | Total/NA  |

## Client Sample ID: HEW-02

## Lab Sample ID: 570-76016-11

| Analyte                               | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|---------------------------------------|--------|-----------|------|------|------|---------|---|--------|-----------|
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.38   | J         | 0.50 | 0.25 | ug/L | 1       |   | 8260B  | Total/NA  |
| Tetrachloroethene                     | 0.44   | J         | 0.50 | 0.29 | ug/L | 1       |   | 8260B  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

## Detection Summary

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

### Client Sample ID: HEW-02 (Continued)

### Lab Sample ID: 570-76016-11

| Analyte         | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method       | Prep Type |
|-----------------|--------|-----------|------|------|------|---------|---|--------------|-----------|
| Trichloroethene | 97     |           | 0.50 | 0.29 | ug/L | 1       |   | 8260B        | Total/NA  |
| 1,4-Dioxane     | 1.6    |           | 0.50 | 0.34 | ug/L | 1       |   | 8270C SIM ID | Total/NA  |

### Client Sample ID: HEW-03

### Lab Sample ID: 570-76016-12

| Analyte           | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method       | Prep Type |
|-------------------|--------|-----------|------|------|------|---------|---|--------------|-----------|
| Tetrachloroethene | 2.4    |           | 2.0  | 1.2  | ug/L | 4       |   | 8260B        | Total/NA  |
| Trichloroethene   | 110    |           | 2.0  | 1.2  | ug/L | 4       |   | 8260B        | Total/NA  |
| 1,4-Dioxane       | 0.48   | J         | 0.50 | 0.34 | ug/L | 1       |   | 8270C SIM ID | Total/NA  |

### Client Sample ID: HEW-04

### Lab Sample ID: 570-76016-13

| Analyte           | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method       | Prep Type |
|-------------------|--------|-----------|------|------|------|---------|---|--------------|-----------|
| Tetrachloroethene | 1.2    | J         | 2.0  | 1.2  | ug/L | 4       |   | 8260B        | Total/NA  |
| Trichloroethene   | 79     |           | 2.0  | 1.2  | ug/L | 4       |   | 8260B        | Total/NA  |
| 1,4-Dioxane       | 5.2    |           | 0.50 | 0.34 | ug/L | 1       |   | 8270C SIM ID | Total/NA  |

### Client Sample ID: HEW-05

### Lab Sample ID: 570-76016-14

| Analyte                | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method       | Prep Type |
|------------------------|--------|-----------|------|------|------|---------|---|--------------|-----------|
| cis-1,2-Dichloroethene | 5.8    |           | 1.0  | 0.60 | ug/L | 2       |   | 8260B        | Total/NA  |
| Trichloroethene        | 120    |           | 1.0  | 0.58 | ug/L | 2       |   | 8260B        | Total/NA  |
| 1,4-Dioxane            | 0.36   | J         | 0.50 | 0.34 | ug/L | 1       |   | 8270C SIM ID | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: UAX-03  
Date Collected: 11/16/21 08:40  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-1  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 11/27/21 15:17 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 15:17 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 11/27/21 15:17 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 11/27/21 15:17 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 11/27/21 15:17 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 11/27/21 15:17 | 1       |
| 1,1-Dichloroethene                    | 0.47   | J         | 0.50 | 0.39  | ug/L |   |          | 11/27/21 15:17 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 11/27/21 15:17 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 11/27/21 15:17 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 11/27/21 15:17 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 11/27/21 15:17 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 11/27/21 15:17 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 11/27/21 15:17 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 11/27/21 15:17 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 11/27/21 15:17 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 11/27/21 15:17 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 11/27/21 15:17 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 11/27/21 15:17 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 11/27/21 15:17 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 11/27/21 15:17 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 11/27/21 15:17 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 11/27/21 15:17 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 11/27/21 15:17 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 11/27/21 15:17 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 11/27/21 15:17 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 11/27/21 15:17 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 11/27/21 15:17 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 11/27/21 15:17 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 15:17 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 11/27/21 15:17 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 11/27/21 15:17 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 11/27/21 15:17 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 11/27/21 15:17 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 11/27/21 15:17 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 11/27/21 15:17 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 11/27/21 15:17 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 11/27/21 15:17 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 15:17 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 11/27/21 15:17 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 11/27/21 15:17 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 11/27/21 15:17 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 11/27/21 15:17 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 15:17 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 11/27/21 15:17 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 11/27/21 15:17 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 11/27/21 15:17 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 11/27/21 15:17 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 11/27/21 15:17 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 11/27/21 15:17 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UAX-03  
Date Collected: 11/16/21 08:40  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-1  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 11/27/21 15:17 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 15:17 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 11/27/21 15:17 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 11/27/21 15:17 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 11/27/21 15:17 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 11/27/21 15:17 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 11/27/21 15:17 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 11/27/21 15:17 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 11/27/21 15:17 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 11/27/21 15:17 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 11/27/21 15:17 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 15:17 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 11/27/21 15:17 | 1       |
| Trichloroethene           | 8.7    |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 15:17 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 11/27/21 15:17 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 11/27/21 15:17 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.40 | ug/L |   |          | 11/27/21 15:17 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 94        |           | 68 - 135 |          | 11/27/21 15:17 | 1       |
| 4-Bromofluorobenzene (Surr)  | 89        |           | 71 - 120 |          | 11/27/21 15:17 | 1       |
| Dibromofluoromethane         | 92        |           | 80 - 120 |          | 11/27/21 15:17 | 1       |
| Toluene-d8 (Surr)            | 99        |           | 80 - 120 |          | 11/27/21 15:17 | 1       |

Client Sample ID: TB-111621  
Date Collected: 11/16/21 08:00  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-2  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 11/27/21 14:02 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 14:02 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 11/27/21 14:02 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 11/27/21 14:02 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 11/27/21 14:02 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 11/27/21 14:02 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 11/27/21 14:02 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 11/27/21 14:02 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 11/27/21 14:02 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 11/27/21 14:02 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 11/27/21 14:02 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 11/27/21 14:02 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 11/27/21 14:02 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 11/27/21 14:02 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 11/27/21 14:02 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 11/27/21 14:02 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 11/27/21 14:02 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 11/27/21 14:02 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 11/27/21 14:02 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 11/27/21 14:02 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 11/27/21 14:02 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 11/27/21 14:02 | 1       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: TB-111621  
Date Collected: 11/16/21 08:00  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-2  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  | 3.0  | ug/L |   |          | 11/27/21 14:02 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 11/27/21 14:02 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 11/27/21 14:02 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 11/27/21 14:02 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 11/27/21 14:02 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 11/27/21 14:02 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 11/27/21 14:02 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 11/27/21 14:02 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.28 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  | 0.68 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 | 0.21 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Naphthalene                 | ND     |           | 1.0  | 0.32 | ug/L |   |          | 11/27/21 14:02 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 14:02 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 11/27/21 14:02 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 11/27/21 14:02 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 11/27/21 14:02 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 11/27/21 14:02 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 11/27/21 14:02 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 11/27/21 14:02 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 11/27/21 14:02 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Trichloroethene             | ND     |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 11/27/21 14:02 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 11/27/21 14:02 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.40 | ug/L |   |          | 11/27/21 14:02 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 92        |           | 68 - 135 |          | 11/27/21 14:02 | 1       |
| 4-Bromofluorobenzene (Surr)  | 90        |           | 71 - 120 |          | 11/27/21 14:02 | 1       |
| Dibromofluoromethane         | 93        |           | 80 - 120 |          | 11/27/21 14:02 | 1       |
| Toluene-d8 (Surr)            | 98        |           | 80 - 120 |          | 11/27/21 14:02 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: RB-111621  
Date Collected: 11/16/21 10:00  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-3  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 11/27/21 15:42 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 15:42 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 11/27/21 15:42 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 11/27/21 15:42 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 11/27/21 15:42 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 11/27/21 15:42 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 11/27/21 15:42 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 11/27/21 15:42 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 11/27/21 15:42 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 11/27/21 15:42 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 11/27/21 15:42 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 11/27/21 15:42 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 11/27/21 15:42 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 11/27/21 15:42 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 11/27/21 15:42 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 11/27/21 15:42 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 11/27/21 15:42 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 11/27/21 15:42 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 11/27/21 15:42 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 11/27/21 15:42 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 11/27/21 15:42 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 11/27/21 15:42 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 11/27/21 15:42 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 11/27/21 15:42 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 11/27/21 15:42 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 11/27/21 15:42 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 11/27/21 15:42 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 11/27/21 15:42 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 15:42 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 11/27/21 15:42 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 11/27/21 15:42 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 11/27/21 15:42 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 11/27/21 15:42 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 11/27/21 15:42 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 11/27/21 15:42 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 11/27/21 15:42 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 11/27/21 15:42 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 15:42 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 11/27/21 15:42 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 11/27/21 15:42 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 11/27/21 15:42 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 11/27/21 15:42 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 15:42 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 11/27/21 15:42 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 11/27/21 15:42 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 11/27/21 15:42 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 11/27/21 15:42 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 11/27/21 15:42 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 11/27/21 15:42 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: RB-111621  
Date Collected: 11/16/21 10:00  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-3  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 11/27/21 15:42 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 15:42 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 11/27/21 15:42 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 11/27/21 15:42 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 11/27/21 15:42 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 11/27/21 15:42 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 11/27/21 15:42 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 11/27/21 15:42 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 11/27/21 15:42 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 11/27/21 15:42 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 11/27/21 15:42 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 15:42 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 11/27/21 15:42 | 1       |
| Trichloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 15:42 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 11/27/21 15:42 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 11/27/21 15:42 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.40 | ug/L |   |          | 11/27/21 15:42 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 94        |           | 68 - 135 |          | 11/27/21 15:42 | 1       |
| 4-Bromofluorobenzene (Surr)  | 89        |           | 71 - 120 |          | 11/27/21 15:42 | 1       |
| Dibromofluoromethane         | 94        |           | 80 - 120 |          | 11/27/21 15:42 | 1       |
| Toluene-d8 (Surr)            | 98        |           | 80 - 120 |          | 11/27/21 15:42 | 1       |

Client Sample ID: HEW-0300  
Date Collected: 11/16/21 12:35  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-4  
Matrix: Water

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 2.0 | 1.0  | ug/L |   |          | 11/27/21 16:07 | 4       |
| 1,1,1-Trichloroethane                 | ND     |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 16:07 | 4       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 2.0 | 0.78 | ug/L |   |          | 11/27/21 16:07 | 4       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 2.0 | 1.0  | ug/L |   |          | 11/27/21 16:07 | 4       |
| 1,1,2-Trichloroethane                 | ND     |           | 2.0 | 0.34 | ug/L |   |          | 11/27/21 16:07 | 4       |
| 1,1-Dichloroethane                    | ND     |           | 2.0 | 1.4  | ug/L |   |          | 11/27/21 16:07 | 4       |
| 1,1-Dichloroethene                    | ND     |           | 2.0 | 1.6  | ug/L |   |          | 11/27/21 16:07 | 4       |
| 1,1-Dichloropropene                   | ND     |           | 2.0 | 0.97 | ug/L |   |          | 11/27/21 16:07 | 4       |
| 1,2,3-Trichlorobenzene                | ND     |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 16:07 | 4       |
| 1,2,3-Trichloropropane                | ND     |           | 2.0 | 1.3  | ug/L |   |          | 11/27/21 16:07 | 4       |
| 1,2,4-Trichlorobenzene                | ND     |           | 2.0 | 1.5  | ug/L |   |          | 11/27/21 16:07 | 4       |
| 1,2,4-Trimethylbenzene                | ND     |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 16:07 | 4       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 4.0 | 2.6  | ug/L |   |          | 11/27/21 16:07 | 4       |
| 1,2-Dibromoethane                     | ND     |           | 2.0 | 0.55 | ug/L |   |          | 11/27/21 16:07 | 4       |
| 1,2-Dichlorobenzene                   | ND     |           | 2.0 | 0.92 | ug/L |   |          | 11/27/21 16:07 | 4       |
| 1,2-Dichloroethane                    | ND     |           | 2.0 | 0.60 | ug/L |   |          | 11/27/21 16:07 | 4       |
| 1,2-Dichloropropane                   | ND     |           | 2.0 | 0.96 | ug/L |   |          | 11/27/21 16:07 | 4       |
| 1,3,5-Trimethylbenzene                | ND     |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 16:07 | 4       |
| 1,3-Dichlorobenzene                   | ND     |           | 2.0 | 1.0  | ug/L |   |          | 11/27/21 16:07 | 4       |
| 1,3-Dichloropropane                   | ND     |           | 2.0 | 0.82 | ug/L |   |          | 11/27/21 16:07 | 4       |
| 1,4-Dichlorobenzene                   | ND     |           | 2.0 | 0.90 | ug/L |   |          | 11/27/21 16:07 | 4       |
| 2,2-Dichloropropane                   | ND     |           | 2.0 | 1.6  | ug/L |   |          | 11/27/21 16:07 | 4       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HEW-0300  
Date Collected: 11/16/21 12:35  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-4  
Matrix: Water

| Analyte                     | Result     | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND         |           | 20  | 12   | ug/L |   |          | 11/27/21 16:07 | 4       |
| 2-Chlorotoluene             | ND         |           | 2.0 | 1.2  | ug/L |   |          | 11/27/21 16:07 | 4       |
| 2-Hexanone                  | ND         |           | 24  | 17   | ug/L |   |          | 11/27/21 16:07 | 4       |
| 4-Chlorotoluene             | ND         |           | 2.0 | 1.3  | ug/L |   |          | 11/27/21 16:07 | 4       |
| 4-Methyl-2-pentanone        | ND         |           | 20  | 9.0  | ug/L |   |          | 11/27/21 16:07 | 4       |
| Acetone                     | ND         |           | 32  | 16   | ug/L |   |          | 11/27/21 16:07 | 4       |
| Benzene                     | ND         |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 16:07 | 4       |
| Bromobenzene                | ND         |           | 2.0 | 1.0  | ug/L |   |          | 11/27/21 16:07 | 4       |
| Bromochloromethane          | ND         |           | 4.0 | 1.4  | ug/L |   |          | 11/27/21 16:07 | 4       |
| Bromodichloromethane        | ND         |           | 2.0 | 0.89 | ug/L |   |          | 11/27/21 16:07 | 4       |
| Bromoform                   | ND         |           | 2.0 | 1.6  | ug/L |   |          | 11/27/21 16:07 | 4       |
| Bromomethane                | ND         |           | 4.0 | 3.7  | ug/L |   |          | 11/27/21 16:07 | 4       |
| cis-1,2-Dichloroethene      | ND         |           | 2.0 | 1.2  | ug/L |   |          | 11/27/21 16:07 | 4       |
| cis-1,3-Dichloropropene     | ND         |           | 2.0 | 0.77 | ug/L |   |          | 11/27/21 16:07 | 4       |
| Carbon disulfide            | ND         |           | 4.0 | 0.98 | ug/L |   |          | 11/27/21 16:07 | 4       |
| Carbon tetrachloride        | ND         |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 16:07 | 4       |
| Chlorobenzene               | ND         |           | 2.0 | 0.95 | ug/L |   |          | 11/27/21 16:07 | 4       |
| Chloroethane                | ND         |           | 2.0 | 1.8  | ug/L |   |          | 11/27/21 16:07 | 4       |
| Chloroform                  | ND         |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 16:07 | 4       |
| Chloromethane               | ND         |           | 4.0 | 1.2  | ug/L |   |          | 11/27/21 16:07 | 4       |
| Dibromochloromethane        | ND         |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 16:07 | 4       |
| Dibromomethane              | ND         |           | 2.0 | 0.92 | ug/L |   |          | 11/27/21 16:07 | 4       |
| Dichlorodifluoromethane     | ND         |           | 4.0 | 2.7  | ug/L |   |          | 11/27/21 16:07 | 4       |
| Ethylbenzene                | ND         |           | 2.0 | 1.4  | ug/L |   |          | 11/27/21 16:07 | 4       |
| Isopropylbenzene            | ND         |           | 2.0 | 1.5  | ug/L |   |          | 11/27/21 16:07 | 4       |
| Methylene Chloride          | ND         |           | 4.0 | 1.9  | ug/L |   |          | 11/27/21 16:07 | 4       |
| Methyl-t-Butyl Ether (MTBE) | ND         |           | 2.0 | 0.82 | ug/L |   |          | 11/27/21 16:07 | 4       |
| Naphthalene                 | ND         |           | 4.0 | 1.3  | ug/L |   |          | 11/27/21 16:07 | 4       |
| n-Butylbenzene              | ND         |           | 2.0 | 1.2  | ug/L |   |          | 11/27/21 16:07 | 4       |
| N-Propylbenzene             | ND         |           | 2.0 | 1.6  | ug/L |   |          | 11/27/21 16:07 | 4       |
| o-Xylene                    | ND         |           | 2.0 | 1.4  | ug/L |   |          | 11/27/21 16:07 | 4       |
| m,p-Xylene                  | ND         |           | 4.0 | 3.1  | ug/L |   |          | 11/27/21 16:07 | 4       |
| p-Isopropyltoluene          | ND         |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 16:07 | 4       |
| sec-Butylbenzene            | ND         |           | 2.0 | 1.4  | ug/L |   |          | 11/27/21 16:07 | 4       |
| Styrene                     | ND         |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 16:07 | 4       |
| trans-1,2-Dichloroethene    | ND         |           | 2.0 | 1.4  | ug/L |   |          | 11/27/21 16:07 | 4       |
| trans-1,3-Dichloropropene   | ND         |           | 2.0 | 0.69 | ug/L |   |          | 11/27/21 16:07 | 4       |
| tert-Butylbenzene           | ND         |           | 2.0 | 1.4  | ug/L |   |          | 11/27/21 16:07 | 4       |
| <b>Tetrachloroethene</b>    | <b>2.6</b> |           | 2.0 | 1.2  | ug/L |   |          | 11/27/21 16:07 | 4       |
| Toluene                     | ND         |           | 2.0 | 1.3  | ug/L |   |          | 11/27/21 16:07 | 4       |
| <b>Trichloroethene</b>      | <b>110</b> |           | 2.0 | 1.2  | ug/L |   |          | 11/27/21 16:07 | 4       |
| Trichlorofluoromethane      | ND         |           | 2.0 | 1.2  | ug/L |   |          | 11/27/21 16:07 | 4       |
| Vinyl acetate               | ND         |           | 20  | 13   | ug/L |   |          | 11/27/21 16:07 | 4       |
| Vinyl chloride              | ND         |           | 2.0 | 1.6  | ug/L |   |          | 11/27/21 16:07 | 4       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 96        |           | 68 - 135 |          | 11/27/21 16:07 | 4       |
| 4-Bromofluorobenzene (Surr)  | 90        |           | 71 - 120 |          | 11/27/21 16:07 | 4       |
| Dibromofluoromethane         | 95        |           | 80 - 120 |          | 11/27/21 16:07 | 4       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 120 |          | 11/27/21 16:07 | 4       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: LAX-01  
Date Collected: 11/16/21 09:50  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-5  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 11/27/21 16:32 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 16:32 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 11/27/21 16:32 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 11/27/21 16:32 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 11/27/21 16:32 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 11/27/21 16:32 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 11/27/21 16:32 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 11/27/21 16:32 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 11/27/21 16:32 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 11/27/21 16:32 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 11/27/21 16:32 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 11/27/21 16:32 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 11/27/21 16:32 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 11/27/21 16:32 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 11/27/21 16:32 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 11/27/21 16:32 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 11/27/21 16:32 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 11/27/21 16:32 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 11/27/21 16:32 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 11/27/21 16:32 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 11/27/21 16:32 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 11/27/21 16:32 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 11/27/21 16:32 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 11/27/21 16:32 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 11/27/21 16:32 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 11/27/21 16:32 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 11/27/21 16:32 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 11/27/21 16:32 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 16:32 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 11/27/21 16:32 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 11/27/21 16:32 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 11/27/21 16:32 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 11/27/21 16:32 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 11/27/21 16:32 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 11/27/21 16:32 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 11/27/21 16:32 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 11/27/21 16:32 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 16:32 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 11/27/21 16:32 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 11/27/21 16:32 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 11/27/21 16:32 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 11/27/21 16:32 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 16:32 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 11/27/21 16:32 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 11/27/21 16:32 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 11/27/21 16:32 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 11/27/21 16:32 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 11/27/21 16:32 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 11/27/21 16:32 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: LAX-01  
Date Collected: 11/16/21 09:50  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-5  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 11/27/21 16:32 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 16:32 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 11/27/21 16:32 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 11/27/21 16:32 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 11/27/21 16:32 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 11/27/21 16:32 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 11/27/21 16:32 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 11/27/21 16:32 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 11/27/21 16:32 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 11/27/21 16:32 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 11/27/21 16:32 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 16:32 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 11/27/21 16:32 | 1       |
| Trichloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 16:32 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 11/27/21 16:32 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 11/27/21 16:32 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.40 | ug/L |   |          | 11/27/21 16:32 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 91        |           | 68 - 135 |          | 11/27/21 16:32 | 1       |
| 4-Bromofluorobenzene (Surr)  | 90        |           | 71 - 120 |          | 11/27/21 16:32 | 1       |
| Dibromofluoromethane         | 92        |           | 80 - 120 |          | 11/27/21 16:32 | 1       |
| Toluene-d8 (Surr)            | 97        |           | 80 - 120 |          | 11/27/21 16:32 | 1       |

Client Sample ID: LAX-02  
Date Collected: 11/16/21 10:15  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-6  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 11/27/21 16:57 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 16:57 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 11/27/21 16:57 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 11/27/21 16:57 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 11/27/21 16:57 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 11/27/21 16:57 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 11/27/21 16:57 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 11/27/21 16:57 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 11/27/21 16:57 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 11/27/21 16:57 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 11/27/21 16:57 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 11/27/21 16:57 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 11/27/21 16:57 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 11/27/21 16:57 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 11/27/21 16:57 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 11/27/21 16:57 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 11/27/21 16:57 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 11/27/21 16:57 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 11/27/21 16:57 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 11/27/21 16:57 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 11/27/21 16:57 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 11/27/21 16:57 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: LAX-02  
Date Collected: 11/16/21 10:15  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-6  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  | 3.0  | ug/L |   |          | 11/27/21 16:57 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 11/27/21 16:57 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 11/27/21 16:57 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 11/27/21 16:57 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 11/27/21 16:57 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 11/27/21 16:57 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 11/27/21 16:57 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 11/27/21 16:57 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.28 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  | 0.68 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 | 0.21 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Naphthalene                 | ND     |           | 1.0  | 0.32 | ug/L |   |          | 11/27/21 16:57 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 16:57 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 11/27/21 16:57 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 11/27/21 16:57 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 11/27/21 16:57 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 11/27/21 16:57 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 11/27/21 16:57 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 11/27/21 16:57 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 11/27/21 16:57 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Trichloroethene             | ND     |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 11/27/21 16:57 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 11/27/21 16:57 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.40 | ug/L |   |          | 11/27/21 16:57 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 92        |           | 68 - 135 |          | 11/27/21 16:57 | 1       |
| 4-Bromofluorobenzene (Surr)  | 89        |           | 71 - 120 |          | 11/27/21 16:57 | 1       |
| Dibromofluoromethane         | 94        |           | 80 - 120 |          | 11/27/21 16:57 | 1       |
| Toluene-d8 (Surr)            | 97        |           | 80 - 120 |          | 11/27/21 16:57 | 1       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: LAX-03  
Date Collected: 11/16/21 11:20  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-7  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 11/27/21 17:22 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 17:22 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 11/27/21 17:22 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 11/27/21 17:22 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 11/27/21 17:22 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 11/27/21 17:22 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 11/27/21 17:22 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 11/27/21 17:22 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 11/27/21 17:22 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 11/27/21 17:22 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 11/27/21 17:22 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 11/27/21 17:22 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 11/27/21 17:22 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 11/27/21 17:22 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 11/27/21 17:22 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 11/27/21 17:22 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 11/27/21 17:22 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 11/27/21 17:22 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 11/27/21 17:22 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 11/27/21 17:22 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 11/27/21 17:22 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 11/27/21 17:22 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 11/27/21 17:22 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 11/27/21 17:22 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 11/27/21 17:22 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 11/27/21 17:22 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 11/27/21 17:22 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 11/27/21 17:22 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 17:22 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 11/27/21 17:22 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 11/27/21 17:22 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 11/27/21 17:22 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 11/27/21 17:22 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 11/27/21 17:22 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 11/27/21 17:22 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 11/27/21 17:22 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 11/27/21 17:22 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 17:22 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 11/27/21 17:22 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 11/27/21 17:22 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 11/27/21 17:22 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 11/27/21 17:22 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 17:22 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 11/27/21 17:22 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 11/27/21 17:22 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 11/27/21 17:22 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 11/27/21 17:22 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 11/27/21 17:22 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 11/27/21 17:22 | 1       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: LAX-03  
Date Collected: 11/16/21 11:20  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-7  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 11/27/21 17:22 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 17:22 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 11/27/21 17:22 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 11/27/21 17:22 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 11/27/21 17:22 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 11/27/21 17:22 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 11/27/21 17:22 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 11/27/21 17:22 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 11/27/21 17:22 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 11/27/21 17:22 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 11/27/21 17:22 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 17:22 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 11/27/21 17:22 | 1       |
| Trichloroethene           | 0.37   | J         | 0.50 | 0.29 | ug/L |   |          | 11/27/21 17:22 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 11/27/21 17:22 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 11/27/21 17:22 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.40 | ug/L |   |          | 11/27/21 17:22 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 91        |           | 68 - 135 |          | 11/27/21 17:22 | 1       |
| 4-Bromofluorobenzene (Surr)  | 89        |           | 71 - 120 |          | 11/27/21 17:22 | 1       |
| Dibromofluoromethane         | 92        |           | 80 - 120 |          | 11/27/21 17:22 | 1       |
| Toluene-d8 (Surr)            | 99        |           | 80 - 120 |          | 11/27/21 17:22 | 1       |

Client Sample ID: UAX-01  
Date Collected: 11/16/21 12:15  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-8  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 11/27/21 17:48 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 17:48 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 11/27/21 17:48 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 11/27/21 17:48 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 11/27/21 17:48 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 11/27/21 17:48 | 1       |
| 1,1-Dichloroethene                    | 1.3    |           | 0.50 | 0.39  | ug/L |   |          | 11/27/21 17:48 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 11/27/21 17:48 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 11/27/21 17:48 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 11/27/21 17:48 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 11/27/21 17:48 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 11/27/21 17:48 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 11/27/21 17:48 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 11/27/21 17:48 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 11/27/21 17:48 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 11/27/21 17:48 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 11/27/21 17:48 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 11/27/21 17:48 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 11/27/21 17:48 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 11/27/21 17:48 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 11/27/21 17:48 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 11/27/21 17:48 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UAX-01  
Date Collected: 11/16/21 12:15  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-8  
Matrix: Water

| Analyte                     | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 5.0  | 3.0  | ug/L |   |          | 11/27/21 17:48 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.50 | 0.31 | ug/L |   |          | 11/27/21 17:48 | 1       |
| 2-Hexanone                  | ND     |           | 6.0  | 4.3  | ug/L |   |          | 11/27/21 17:48 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.50 | 0.34 | ug/L |   |          | 11/27/21 17:48 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 5.0  | 2.2  | ug/L |   |          | 11/27/21 17:48 | 1       |
| Acetone                     | ND     |           | 8.0  | 4.0  | ug/L |   |          | 11/27/21 17:48 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.27 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Bromobenzene                | ND     |           | 0.50 | 0.26 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Bromochloromethane          | ND     |           | 1.0  | 0.35 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.22 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Bromoform                   | ND     |           | 0.50 | 0.39 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Bromomethane                | ND     |           | 1.0  | 0.93 | ug/L |   |          | 11/27/21 17:48 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 11/27/21 17:48 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.19 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.24 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.24 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Chloroethane                | ND     |           | 0.50 | 0.44 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.28 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Chloromethane               | ND     |           | 1.0  | 0.29 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.27 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Dibromomethane              | ND     |           | 0.50 | 0.23 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.0  | 0.68 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.36 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Isopropylbenzene            | ND     |           | 0.50 | 0.38 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Methylene Chloride          | ND     |           | 1.0  | 0.48 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 0.50 | 0.21 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Naphthalene                 | ND     |           | 1.0  | 0.32 | ug/L |   |          | 11/27/21 17:48 | 1       |
| n-Butylbenzene              | ND     |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 17:48 | 1       |
| N-Propylbenzene             | ND     |           | 0.50 | 0.39 | ug/L |   |          | 11/27/21 17:48 | 1       |
| o-Xylene                    | ND     |           | 0.50 | 0.35 | ug/L |   |          | 11/27/21 17:48 | 1       |
| m,p-Xylene                  | ND     |           | 1.0  | 0.78 | ug/L |   |          | 11/27/21 17:48 | 1       |
| p-Isopropyltoluene          | ND     |           | 0.50 | 0.28 | ug/L |   |          | 11/27/21 17:48 | 1       |
| sec-Butylbenzene            | ND     |           | 0.50 | 0.34 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.28 | ug/L |   |          | 11/27/21 17:48 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.36 | ug/L |   |          | 11/27/21 17:48 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.17 | ug/L |   |          | 11/27/21 17:48 | 1       |
| tert-Butylbenzene           | ND     |           | 0.50 | 0.34 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.33 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Trichloroethene             | 3.5    |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Trichlorofluoromethane      | ND     |           | 0.50 | 0.30 | ug/L |   |          | 11/27/21 17:48 | 1       |
| Vinyl acetate               | ND     |           | 5.0  | 3.1  | ug/L |   |          | 11/27/21 17:48 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.40 | ug/L |   |          | 11/27/21 17:48 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 93        |           | 68 - 135 |          | 11/27/21 17:48 | 1       |
| 4-Bromofluorobenzene (Surr)  | 90        |           | 71 - 120 |          | 11/27/21 17:48 | 1       |
| Dibromofluoromethane         | 92        |           | 80 - 120 |          | 11/27/21 17:48 | 1       |
| Toluene-d8 (Surr)            | 98        |           | 80 - 120 |          | 11/27/21 17:48 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: UAX-02  
Date Collected: 11/16/21 11:35  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-9  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 11/27/21 18:13 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 18:13 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 11/27/21 18:13 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 0.50 | 0.25  | ug/L |   |          | 11/27/21 18:13 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 11/27/21 18:13 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 11/27/21 18:13 | 1       |
| 1,1-Dichloroethene                    | 3.0    |           | 0.50 | 0.39  | ug/L |   |          | 11/27/21 18:13 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 11/27/21 18:13 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 11/27/21 18:13 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 11/27/21 18:13 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 11/27/21 18:13 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 11/27/21 18:13 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 11/27/21 18:13 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 11/27/21 18:13 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 11/27/21 18:13 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 11/27/21 18:13 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 11/27/21 18:13 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 11/27/21 18:13 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 11/27/21 18:13 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 11/27/21 18:13 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 11/27/21 18:13 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 11/27/21 18:13 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 11/27/21 18:13 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 11/27/21 18:13 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 11/27/21 18:13 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 11/27/21 18:13 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 11/27/21 18:13 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 11/27/21 18:13 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 18:13 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 11/27/21 18:13 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 11/27/21 18:13 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 11/27/21 18:13 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 11/27/21 18:13 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 11/27/21 18:13 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 11/27/21 18:13 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 11/27/21 18:13 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 11/27/21 18:13 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 18:13 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 11/27/21 18:13 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 11/27/21 18:13 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 11/27/21 18:13 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 11/27/21 18:13 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 18:13 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 11/27/21 18:13 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 11/27/21 18:13 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 11/27/21 18:13 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 11/27/21 18:13 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 11/27/21 18:13 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 11/27/21 18:13 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: UAX-02

Date Collected: 11/16/21 11:35

Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-9

Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 11/27/21 18:13 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 18:13 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 11/27/21 18:13 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 11/27/21 18:13 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 11/27/21 18:13 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 11/27/21 18:13 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 11/27/21 18:13 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 11/27/21 18:13 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 11/27/21 18:13 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 11/27/21 18:13 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 11/27/21 18:13 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 18:13 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 11/27/21 18:13 | 1       |
| Trichloroethene           | 4.3    |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 18:13 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 11/27/21 18:13 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 11/27/21 18:13 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.40 | ug/L |   |          | 11/27/21 18:13 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 93        |           | 68 - 135 |          | 11/27/21 18:13 | 1       |
| 4-Bromofluorobenzene (Surr)  | 90        |           | 71 - 120 |          | 11/27/21 18:13 | 1       |
| Dibromofluoromethane         | 95        |           | 80 - 120 |          | 11/27/21 18:13 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 11/27/21 18:13 | 1       |

Client Sample ID: HEW-01

Date Collected: 11/16/21 12:05

Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-10

Matrix: Water

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 5.0 | 2.6  | ug/L |   |          | 11/27/21 18:38 | 10      |
| 1,1,1-Trichloroethane                 | ND     |           | 5.0 | 2.7  | ug/L |   |          | 11/27/21 18:38 | 10      |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 5.0 | 1.9  | ug/L |   |          | 11/27/21 18:38 | 10      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 5.0 | 2.5  | ug/L |   |          | 11/27/21 18:38 | 10      |
| 1,1,2-Trichloroethane                 | ND     |           | 5.0 | 0.85 | ug/L |   |          | 11/27/21 18:38 | 10      |
| 1,1-Dichloroethane                    | ND     |           | 5.0 | 3.5  | ug/L |   |          | 11/27/21 18:38 | 10      |
| 1,1-Dichloroethene                    | ND     |           | 5.0 | 3.9  | ug/L |   |          | 11/27/21 18:38 | 10      |
| 1,1-Dichloropropene                   | ND     |           | 5.0 | 2.4  | ug/L |   |          | 11/27/21 18:38 | 10      |
| 1,2,3-Trichlorobenzene                | ND     |           | 5.0 | 2.8  | ug/L |   |          | 11/27/21 18:38 | 10      |
| 1,2,3-Trichloropropane                | ND     |           | 5.0 | 3.2  | ug/L |   |          | 11/27/21 18:38 | 10      |
| 1,2,4-Trichlorobenzene                | ND     |           | 5.0 | 3.8  | ug/L |   |          | 11/27/21 18:38 | 10      |
| 1,2,4-Trimethylbenzene                | ND     |           | 5.0 | 2.9  | ug/L |   |          | 11/27/21 18:38 | 10      |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 10  | 6.4  | ug/L |   |          | 11/27/21 18:38 | 10      |
| 1,2-Dibromoethane                     | ND     |           | 5.0 | 1.4  | ug/L |   |          | 11/27/21 18:38 | 10      |
| 1,2-Dichlorobenzene                   | ND     |           | 5.0 | 2.3  | ug/L |   |          | 11/27/21 18:38 | 10      |
| 1,2-Dichloroethane                    | ND     |           | 5.0 | 1.5  | ug/L |   |          | 11/27/21 18:38 | 10      |
| 1,2-Dichloropropane                   | ND     |           | 5.0 | 2.4  | ug/L |   |          | 11/27/21 18:38 | 10      |
| 1,3,5-Trimethylbenzene                | ND     |           | 5.0 | 2.8  | ug/L |   |          | 11/27/21 18:38 | 10      |
| 1,3-Dichlorobenzene                   | ND     |           | 5.0 | 2.6  | ug/L |   |          | 11/27/21 18:38 | 10      |
| 1,3-Dichloropropane                   | ND     |           | 5.0 | 2.0  | ug/L |   |          | 11/27/21 18:38 | 10      |
| 1,4-Dichlorobenzene                   | ND     |           | 5.0 | 2.2  | ug/L |   |          | 11/27/21 18:38 | 10      |
| 2,2-Dichloropropane                   | ND     |           | 5.0 | 4.0  | ug/L |   |          | 11/27/21 18:38 | 10      |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HEW-01  
Date Collected: 11/16/21 12:05  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-10  
Matrix: Water

| Analyte                     | Result     | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|------------|-----------|-----|-----|------|---|----------|----------------|---------|
| 2-Butanone                  | ND         |           | 50  | 30  | ug/L |   |          | 11/27/21 18:38 | 10      |
| 2-Chlorotoluene             | ND         |           | 5.0 | 3.1 | ug/L |   |          | 11/27/21 18:38 | 10      |
| 2-Hexanone                  | ND         |           | 60  | 43  | ug/L |   |          | 11/27/21 18:38 | 10      |
| 4-Chlorotoluene             | ND         |           | 5.0 | 3.4 | ug/L |   |          | 11/27/21 18:38 | 10      |
| 4-Methyl-2-pentanone        | ND         |           | 50  | 22  | ug/L |   |          | 11/27/21 18:38 | 10      |
| Acetone                     | ND         |           | 80  | 40  | ug/L |   |          | 11/27/21 18:38 | 10      |
| Benzene                     | ND         |           | 5.0 | 2.7 | ug/L |   |          | 11/27/21 18:38 | 10      |
| Bromobenzene                | ND         |           | 5.0 | 2.6 | ug/L |   |          | 11/27/21 18:38 | 10      |
| Bromochloromethane          | ND         |           | 10  | 3.5 | ug/L |   |          | 11/27/21 18:38 | 10      |
| Bromodichloromethane        | ND         |           | 5.0 | 2.2 | ug/L |   |          | 11/27/21 18:38 | 10      |
| Bromoform                   | ND         |           | 5.0 | 3.9 | ug/L |   |          | 11/27/21 18:38 | 10      |
| Bromomethane                | ND         |           | 10  | 9.3 | ug/L |   |          | 11/27/21 18:38 | 10      |
| cis-1,2-Dichloroethene      | ND         |           | 5.0 | 3.0 | ug/L |   |          | 11/27/21 18:38 | 10      |
| cis-1,3-Dichloropropene     | ND         |           | 5.0 | 1.9 | ug/L |   |          | 11/27/21 18:38 | 10      |
| Carbon disulfide            | ND         |           | 10  | 2.4 | ug/L |   |          | 11/27/21 18:38 | 10      |
| Carbon tetrachloride        | ND         |           | 5.0 | 2.7 | ug/L |   |          | 11/27/21 18:38 | 10      |
| Chlorobenzene               | ND         |           | 5.0 | 2.4 | ug/L |   |          | 11/27/21 18:38 | 10      |
| Chloroethane                | ND         |           | 5.0 | 4.4 | ug/L |   |          | 11/27/21 18:38 | 10      |
| Chloroform                  | ND         |           | 5.0 | 2.8 | ug/L |   |          | 11/27/21 18:38 | 10      |
| Chloromethane               | ND         |           | 10  | 2.9 | ug/L |   |          | 11/27/21 18:38 | 10      |
| Dibromochloromethane        | ND         |           | 5.0 | 2.7 | ug/L |   |          | 11/27/21 18:38 | 10      |
| Dibromomethane              | ND         |           | 5.0 | 2.3 | ug/L |   |          | 11/27/21 18:38 | 10      |
| Dichlorodifluoromethane     | ND         |           | 10  | 6.8 | ug/L |   |          | 11/27/21 18:38 | 10      |
| Ethylbenzene                | ND         |           | 5.0 | 3.6 | ug/L |   |          | 11/27/21 18:38 | 10      |
| Isopropylbenzene            | ND         |           | 5.0 | 3.8 | ug/L |   |          | 11/27/21 18:38 | 10      |
| Methylene Chloride          | ND         |           | 10  | 4.8 | ug/L |   |          | 11/27/21 18:38 | 10      |
| Methyl-t-Butyl Ether (MTBE) | ND         |           | 5.0 | 2.1 | ug/L |   |          | 11/27/21 18:38 | 10      |
| Naphthalene                 | ND         |           | 10  | 3.2 | ug/L |   |          | 11/27/21 18:38 | 10      |
| n-Butylbenzene              | ND         |           | 5.0 | 2.9 | ug/L |   |          | 11/27/21 18:38 | 10      |
| N-Propylbenzene             | ND         |           | 5.0 | 3.9 | ug/L |   |          | 11/27/21 18:38 | 10      |
| o-Xylene                    | ND         |           | 5.0 | 3.5 | ug/L |   |          | 11/27/21 18:38 | 10      |
| m,p-Xylene                  | ND         |           | 10  | 7.8 | ug/L |   |          | 11/27/21 18:38 | 10      |
| p-Isopropyltoluene          | ND         |           | 5.0 | 2.8 | ug/L |   |          | 11/27/21 18:38 | 10      |
| sec-Butylbenzene            | ND         |           | 5.0 | 3.4 | ug/L |   |          | 11/27/21 18:38 | 10      |
| Styrene                     | ND         |           | 5.0 | 2.8 | ug/L |   |          | 11/27/21 18:38 | 10      |
| trans-1,2-Dichloroethene    | ND         |           | 5.0 | 3.6 | ug/L |   |          | 11/27/21 18:38 | 10      |
| trans-1,3-Dichloropropene   | ND         |           | 5.0 | 1.7 | ug/L |   |          | 11/27/21 18:38 | 10      |
| tert-Butylbenzene           | ND         |           | 5.0 | 3.4 | ug/L |   |          | 11/27/21 18:38 | 10      |
| <b>Tetrachloroethene</b>    | <b>13</b>  |           | 5.0 | 2.9 | ug/L |   |          | 11/27/21 18:38 | 10      |
| Toluene                     | ND         |           | 5.0 | 3.3 | ug/L |   |          | 11/27/21 18:38 | 10      |
| <b>Trichloroethene</b>      | <b>820</b> |           | 5.0 | 2.9 | ug/L |   |          | 11/27/21 18:38 | 10      |
| Trichlorofluoromethane      | ND         |           | 5.0 | 3.0 | ug/L |   |          | 11/27/21 18:38 | 10      |
| Vinyl acetate               | ND         |           | 50  | 31  | ug/L |   |          | 11/27/21 18:38 | 10      |
| Vinyl chloride              | ND         |           | 5.0 | 4.0 | ug/L |   |          | 11/27/21 18:38 | 10      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 90        |           | 68 - 135 |          | 11/27/21 18:38 | 10      |
| 4-Bromofluorobenzene (Surr)  | 87        |           | 71 - 120 |          | 11/27/21 18:38 | 10      |
| Dibromofluoromethane         | 95        |           | 80 - 120 |          | 11/27/21 18:38 | 10      |
| Toluene-d8 (Surr)            | 104       |           | 80 - 120 |          | 11/27/21 18:38 | 10      |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: HEW-02  
Date Collected: 11/16/21 14:10  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-11  
Matrix: Water

| Analyte                               | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.50 | 0.26  | ug/L |   |          | 11/27/21 19:03 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 19:03 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 0.50 | 0.19  | ug/L |   |          | 11/27/21 19:03 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.38   | J         | 0.50 | 0.25  | ug/L |   |          | 11/27/21 19:03 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.50 | 0.085 | ug/L |   |          | 11/27/21 19:03 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.50 | 0.35  | ug/L |   |          | 11/27/21 19:03 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.50 | 0.39  | ug/L |   |          | 11/27/21 19:03 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 11/27/21 19:03 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 11/27/21 19:03 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 0.50 | 0.32  | ug/L |   |          | 11/27/21 19:03 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 0.50 | 0.38  | ug/L |   |          | 11/27/21 19:03 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 0.50 | 0.29  | ug/L |   |          | 11/27/21 19:03 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0  | 0.64  | ug/L |   |          | 11/27/21 19:03 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.50 | 0.14  | ug/L |   |          | 11/27/21 19:03 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.50 | 0.23  | ug/L |   |          | 11/27/21 19:03 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.50 | 0.15  | ug/L |   |          | 11/27/21 19:03 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.50 | 0.24  | ug/L |   |          | 11/27/21 19:03 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 0.50 | 0.28  | ug/L |   |          | 11/27/21 19:03 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.50 | 0.26  | ug/L |   |          | 11/27/21 19:03 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.50 | 0.20  | ug/L |   |          | 11/27/21 19:03 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.50 | 0.22  | ug/L |   |          | 11/27/21 19:03 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 0.50 | 0.40  | ug/L |   |          | 11/27/21 19:03 | 1       |
| 2-Butanone                            | ND     |           | 5.0  | 3.0   | ug/L |   |          | 11/27/21 19:03 | 1       |
| 2-Chlorotoluene                       | ND     |           | 0.50 | 0.31  | ug/L |   |          | 11/27/21 19:03 | 1       |
| 2-Hexanone                            | ND     |           | 6.0  | 4.3   | ug/L |   |          | 11/27/21 19:03 | 1       |
| 4-Chlorotoluene                       | ND     |           | 0.50 | 0.34  | ug/L |   |          | 11/27/21 19:03 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 5.0  | 2.2   | ug/L |   |          | 11/27/21 19:03 | 1       |
| Acetone                               | ND     |           | 8.0  | 4.0   | ug/L |   |          | 11/27/21 19:03 | 1       |
| Benzene                               | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 19:03 | 1       |
| Bromobenzene                          | ND     |           | 0.50 | 0.26  | ug/L |   |          | 11/27/21 19:03 | 1       |
| Bromochloromethane                    | ND     |           | 1.0  | 0.35  | ug/L |   |          | 11/27/21 19:03 | 1       |
| Bromodichloromethane                  | ND     |           | 0.50 | 0.22  | ug/L |   |          | 11/27/21 19:03 | 1       |
| Bromoform                             | ND     |           | 0.50 | 0.39  | ug/L |   |          | 11/27/21 19:03 | 1       |
| Bromomethane                          | ND     |           | 1.0  | 0.93  | ug/L |   |          | 11/27/21 19:03 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 0.50 | 0.30  | ug/L |   |          | 11/27/21 19:03 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 0.50 | 0.19  | ug/L |   |          | 11/27/21 19:03 | 1       |
| Carbon disulfide                      | ND     |           | 1.0  | 0.24  | ug/L |   |          | 11/27/21 19:03 | 1       |
| Carbon tetrachloride                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 19:03 | 1       |
| Chlorobenzene                         | ND     |           | 0.50 | 0.24  | ug/L |   |          | 11/27/21 19:03 | 1       |
| Chloroethane                          | ND     |           | 0.50 | 0.44  | ug/L |   |          | 11/27/21 19:03 | 1       |
| Chloroform                            | ND     |           | 0.50 | 0.28  | ug/L |   |          | 11/27/21 19:03 | 1       |
| Chloromethane                         | ND     |           | 1.0  | 0.29  | ug/L |   |          | 11/27/21 19:03 | 1       |
| Dibromochloromethane                  | ND     |           | 0.50 | 0.27  | ug/L |   |          | 11/27/21 19:03 | 1       |
| Dibromomethane                        | ND     |           | 0.50 | 0.23  | ug/L |   |          | 11/27/21 19:03 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0  | 0.68  | ug/L |   |          | 11/27/21 19:03 | 1       |
| Ethylbenzene                          | ND     |           | 0.50 | 0.36  | ug/L |   |          | 11/27/21 19:03 | 1       |
| Isopropylbenzene                      | ND     |           | 0.50 | 0.38  | ug/L |   |          | 11/27/21 19:03 | 1       |
| Methylene Chloride                    | ND     |           | 1.0  | 0.48  | ug/L |   |          | 11/27/21 19:03 | 1       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 0.50 | 0.21  | ug/L |   |          | 11/27/21 19:03 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HEW-02  
Date Collected: 11/16/21 14:10  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-11  
Matrix: Water

| Analyte                   | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 1.0  | 0.32 | ug/L |   |          | 11/27/21 19:03 | 1       |
| n-Butylbenzene            | ND     |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 19:03 | 1       |
| N-Propylbenzene           | ND     |           | 0.50 | 0.39 | ug/L |   |          | 11/27/21 19:03 | 1       |
| o-Xylene                  | ND     |           | 0.50 | 0.35 | ug/L |   |          | 11/27/21 19:03 | 1       |
| m,p-Xylene                | ND     |           | 1.0  | 0.78 | ug/L |   |          | 11/27/21 19:03 | 1       |
| p-Isopropyltoluene        | ND     |           | 0.50 | 0.28 | ug/L |   |          | 11/27/21 19:03 | 1       |
| sec-Butylbenzene          | ND     |           | 0.50 | 0.34 | ug/L |   |          | 11/27/21 19:03 | 1       |
| Styrene                   | ND     |           | 0.50 | 0.28 | ug/L |   |          | 11/27/21 19:03 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.36 | ug/L |   |          | 11/27/21 19:03 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.17 | ug/L |   |          | 11/27/21 19:03 | 1       |
| tert-Butylbenzene         | ND     |           | 0.50 | 0.34 | ug/L |   |          | 11/27/21 19:03 | 1       |
| Tetrachloroethene         | 0.44   | J         | 0.50 | 0.29 | ug/L |   |          | 11/27/21 19:03 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.33 | ug/L |   |          | 11/27/21 19:03 | 1       |
| Trichloroethene           | 97     |           | 0.50 | 0.29 | ug/L |   |          | 11/27/21 19:03 | 1       |
| Trichlorofluoromethane    | ND     |           | 0.50 | 0.30 | ug/L |   |          | 11/27/21 19:03 | 1       |
| Vinyl acetate             | ND     |           | 5.0  | 3.1  | ug/L |   |          | 11/27/21 19:03 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.40 | ug/L |   |          | 11/27/21 19:03 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 94        |           | 68 - 135 |          | 11/27/21 19:03 | 1       |
| 4-Bromofluorobenzene (Surr)  | 87        |           | 71 - 120 |          | 11/27/21 19:03 | 1       |
| Dibromofluoromethane         | 94        |           | 80 - 120 |          | 11/27/21 19:03 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 120 |          | 11/27/21 19:03 | 1       |

Client Sample ID: HEW-03  
Date Collected: 11/16/21 11:50  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-12  
Matrix: Water

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 2.0 | 1.0  | ug/L |   |          | 11/27/21 19:28 | 4       |
| 1,1,1-Trichloroethane                 | ND     |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 19:28 | 4       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 2.0 | 0.78 | ug/L |   |          | 11/27/21 19:28 | 4       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 2.0 | 1.0  | ug/L |   |          | 11/27/21 19:28 | 4       |
| 1,1,2-Trichloroethane                 | ND     |           | 2.0 | 0.34 | ug/L |   |          | 11/27/21 19:28 | 4       |
| 1,1-Dichloroethane                    | ND     |           | 2.0 | 1.4  | ug/L |   |          | 11/27/21 19:28 | 4       |
| 1,1-Dichloroethene                    | ND     |           | 2.0 | 1.6  | ug/L |   |          | 11/27/21 19:28 | 4       |
| 1,1-Dichloropropene                   | ND     |           | 2.0 | 0.97 | ug/L |   |          | 11/27/21 19:28 | 4       |
| 1,2,3-Trichlorobenzene                | ND     |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 19:28 | 4       |
| 1,2,3-Trichloropropane                | ND     |           | 2.0 | 1.3  | ug/L |   |          | 11/27/21 19:28 | 4       |
| 1,2,4-Trichlorobenzene                | ND     |           | 2.0 | 1.5  | ug/L |   |          | 11/27/21 19:28 | 4       |
| 1,2,4-Trimethylbenzene                | ND     |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 19:28 | 4       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 4.0 | 2.6  | ug/L |   |          | 11/27/21 19:28 | 4       |
| 1,2-Dibromoethane                     | ND     |           | 2.0 | 0.55 | ug/L |   |          | 11/27/21 19:28 | 4       |
| 1,2-Dichlorobenzene                   | ND     |           | 2.0 | 0.92 | ug/L |   |          | 11/27/21 19:28 | 4       |
| 1,2-Dichloroethane                    | ND     |           | 2.0 | 0.60 | ug/L |   |          | 11/27/21 19:28 | 4       |
| 1,2-Dichloropropane                   | ND     |           | 2.0 | 0.96 | ug/L |   |          | 11/27/21 19:28 | 4       |
| 1,3,5-Trimethylbenzene                | ND     |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 19:28 | 4       |
| 1,3-Dichlorobenzene                   | ND     |           | 2.0 | 1.0  | ug/L |   |          | 11/27/21 19:28 | 4       |
| 1,3-Dichloropropane                   | ND     |           | 2.0 | 0.82 | ug/L |   |          | 11/27/21 19:28 | 4       |
| 1,4-Dichlorobenzene                   | ND     |           | 2.0 | 0.90 | ug/L |   |          | 11/27/21 19:28 | 4       |
| 2,2-Dichloropropane                   | ND     |           | 2.0 | 1.6  | ug/L |   |          | 11/27/21 19:28 | 4       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HEW-03  
Date Collected: 11/16/21 11:50  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-12  
Matrix: Water

| Analyte                     | Result     | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND         |           | 20  | 12   | ug/L |   |          | 11/27/21 19:28 | 4       |
| 2-Chlorotoluene             | ND         |           | 2.0 | 1.2  | ug/L |   |          | 11/27/21 19:28 | 4       |
| 2-Hexanone                  | ND         |           | 24  | 17   | ug/L |   |          | 11/27/21 19:28 | 4       |
| 4-Chlorotoluene             | ND         |           | 2.0 | 1.3  | ug/L |   |          | 11/27/21 19:28 | 4       |
| 4-Methyl-2-pentanone        | ND         |           | 20  | 9.0  | ug/L |   |          | 11/27/21 19:28 | 4       |
| Acetone                     | ND         |           | 32  | 16   | ug/L |   |          | 11/27/21 19:28 | 4       |
| Benzene                     | ND         |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 19:28 | 4       |
| Bromobenzene                | ND         |           | 2.0 | 1.0  | ug/L |   |          | 11/27/21 19:28 | 4       |
| Bromochloromethane          | ND         |           | 4.0 | 1.4  | ug/L |   |          | 11/27/21 19:28 | 4       |
| Bromodichloromethane        | ND         |           | 2.0 | 0.89 | ug/L |   |          | 11/27/21 19:28 | 4       |
| Bromoform                   | ND         |           | 2.0 | 1.6  | ug/L |   |          | 11/27/21 19:28 | 4       |
| Bromomethane                | ND         |           | 4.0 | 3.7  | ug/L |   |          | 11/27/21 19:28 | 4       |
| cis-1,2-Dichloroethene      | ND         |           | 2.0 | 1.2  | ug/L |   |          | 11/27/21 19:28 | 4       |
| cis-1,3-Dichloropropene     | ND         |           | 2.0 | 0.77 | ug/L |   |          | 11/27/21 19:28 | 4       |
| Carbon disulfide            | ND         |           | 4.0 | 0.98 | ug/L |   |          | 11/27/21 19:28 | 4       |
| Carbon tetrachloride        | ND         |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 19:28 | 4       |
| Chlorobenzene               | ND         |           | 2.0 | 0.95 | ug/L |   |          | 11/27/21 19:28 | 4       |
| Chloroethane                | ND         |           | 2.0 | 1.8  | ug/L |   |          | 11/27/21 19:28 | 4       |
| Chloroform                  | ND         |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 19:28 | 4       |
| Chloromethane               | ND         |           | 4.0 | 1.2  | ug/L |   |          | 11/27/21 19:28 | 4       |
| Dibromochloromethane        | ND         |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 19:28 | 4       |
| Dibromomethane              | ND         |           | 2.0 | 0.92 | ug/L |   |          | 11/27/21 19:28 | 4       |
| Dichlorodifluoromethane     | ND         |           | 4.0 | 2.7  | ug/L |   |          | 11/27/21 19:28 | 4       |
| Ethylbenzene                | ND         |           | 2.0 | 1.4  | ug/L |   |          | 11/27/21 19:28 | 4       |
| Isopropylbenzene            | ND         |           | 2.0 | 1.5  | ug/L |   |          | 11/27/21 19:28 | 4       |
| Methylene Chloride          | ND         |           | 4.0 | 1.9  | ug/L |   |          | 11/27/21 19:28 | 4       |
| Methyl-t-Butyl Ether (MTBE) | ND         |           | 2.0 | 0.82 | ug/L |   |          | 11/27/21 19:28 | 4       |
| Naphthalene                 | ND         |           | 4.0 | 1.3  | ug/L |   |          | 11/27/21 19:28 | 4       |
| n-Butylbenzene              | ND         |           | 2.0 | 1.2  | ug/L |   |          | 11/27/21 19:28 | 4       |
| N-Propylbenzene             | ND         |           | 2.0 | 1.6  | ug/L |   |          | 11/27/21 19:28 | 4       |
| o-Xylene                    | ND         |           | 2.0 | 1.4  | ug/L |   |          | 11/27/21 19:28 | 4       |
| m,p-Xylene                  | ND         |           | 4.0 | 3.1  | ug/L |   |          | 11/27/21 19:28 | 4       |
| p-Isopropyltoluene          | ND         |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 19:28 | 4       |
| sec-Butylbenzene            | ND         |           | 2.0 | 1.4  | ug/L |   |          | 11/27/21 19:28 | 4       |
| Styrene                     | ND         |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 19:28 | 4       |
| trans-1,2-Dichloroethene    | ND         |           | 2.0 | 1.4  | ug/L |   |          | 11/27/21 19:28 | 4       |
| trans-1,3-Dichloropropene   | ND         |           | 2.0 | 0.69 | ug/L |   |          | 11/27/21 19:28 | 4       |
| tert-Butylbenzene           | ND         |           | 2.0 | 1.4  | ug/L |   |          | 11/27/21 19:28 | 4       |
| <b>Tetrachloroethene</b>    | <b>2.4</b> |           | 2.0 | 1.2  | ug/L |   |          | 11/27/21 19:28 | 4       |
| Toluene                     | ND         |           | 2.0 | 1.3  | ug/L |   |          | 11/27/21 19:28 | 4       |
| <b>Trichloroethene</b>      | <b>110</b> |           | 2.0 | 1.2  | ug/L |   |          | 11/27/21 19:28 | 4       |
| Trichlorofluoromethane      | ND         |           | 2.0 | 1.2  | ug/L |   |          | 11/27/21 19:28 | 4       |
| Vinyl acetate               | ND         |           | 20  | 13   | ug/L |   |          | 11/27/21 19:28 | 4       |
| Vinyl chloride              | ND         |           | 2.0 | 1.6  | ug/L |   |          | 11/27/21 19:28 | 4       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 91        |           | 68 - 135 |          | 11/27/21 19:28 | 4       |
| 4-Bromofluorobenzene (Surr)  | 86        |           | 71 - 120 |          | 11/27/21 19:28 | 4       |
| Dibromofluoromethane         | 95        |           | 80 - 120 |          | 11/27/21 19:28 | 4       |
| Toluene-d8 (Surr)            | 101       |           | 80 - 120 |          | 11/27/21 19:28 | 4       |

Eurofins Calscience LLC



# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: HEW-04  
Date Collected: 11/16/21 08:20  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-13  
Matrix: Water

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 2.0 | 1.0  | ug/L |   |          | 11/27/21 19:53 | 4       |
| 1,1,1-Trichloroethane                 | ND     |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 19:53 | 4       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 2.0 | 0.78 | ug/L |   |          | 11/27/21 19:53 | 4       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 2.0 | 1.0  | ug/L |   |          | 11/27/21 19:53 | 4       |
| 1,1,2-Trichloroethane                 | ND     |           | 2.0 | 0.34 | ug/L |   |          | 11/27/21 19:53 | 4       |
| 1,1-Dichloroethane                    | ND     |           | 2.0 | 1.4  | ug/L |   |          | 11/27/21 19:53 | 4       |
| 1,1-Dichloroethene                    | ND     |           | 2.0 | 1.6  | ug/L |   |          | 11/27/21 19:53 | 4       |
| 1,1-Dichloropropene                   | ND     |           | 2.0 | 0.97 | ug/L |   |          | 11/27/21 19:53 | 4       |
| 1,2,3-Trichlorobenzene                | ND     |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 19:53 | 4       |
| 1,2,3-Trichloropropane                | ND     |           | 2.0 | 1.3  | ug/L |   |          | 11/27/21 19:53 | 4       |
| 1,2,4-Trichlorobenzene                | ND     |           | 2.0 | 1.5  | ug/L |   |          | 11/27/21 19:53 | 4       |
| 1,2,4-Trimethylbenzene                | ND     |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 19:53 | 4       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 4.0 | 2.6  | ug/L |   |          | 11/27/21 19:53 | 4       |
| 1,2-Dibromoethane                     | ND     |           | 2.0 | 0.55 | ug/L |   |          | 11/27/21 19:53 | 4       |
| 1,2-Dichlorobenzene                   | ND     |           | 2.0 | 0.92 | ug/L |   |          | 11/27/21 19:53 | 4       |
| 1,2-Dichloroethane                    | ND     |           | 2.0 | 0.60 | ug/L |   |          | 11/27/21 19:53 | 4       |
| 1,2-Dichloropropane                   | ND     |           | 2.0 | 0.96 | ug/L |   |          | 11/27/21 19:53 | 4       |
| 1,3,5-Trimethylbenzene                | ND     |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 19:53 | 4       |
| 1,3-Dichlorobenzene                   | ND     |           | 2.0 | 1.0  | ug/L |   |          | 11/27/21 19:53 | 4       |
| 1,3-Dichloropropane                   | ND     |           | 2.0 | 0.82 | ug/L |   |          | 11/27/21 19:53 | 4       |
| 1,4-Dichlorobenzene                   | ND     |           | 2.0 | 0.90 | ug/L |   |          | 11/27/21 19:53 | 4       |
| 2,2-Dichloropropane                   | ND     |           | 2.0 | 1.6  | ug/L |   |          | 11/27/21 19:53 | 4       |
| 2-Butanone                            | ND     |           | 20  | 12   | ug/L |   |          | 11/27/21 19:53 | 4       |
| 2-Chlorotoluene                       | ND     |           | 2.0 | 1.2  | ug/L |   |          | 11/27/21 19:53 | 4       |
| 2-Hexanone                            | ND     |           | 24  | 17   | ug/L |   |          | 11/27/21 19:53 | 4       |
| 4-Chlorotoluene                       | ND     |           | 2.0 | 1.3  | ug/L |   |          | 11/27/21 19:53 | 4       |
| 4-Methyl-2-pentanone                  | ND     |           | 20  | 9.0  | ug/L |   |          | 11/27/21 19:53 | 4       |
| Acetone                               | ND     |           | 32  | 16   | ug/L |   |          | 11/27/21 19:53 | 4       |
| Benzene                               | ND     |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 19:53 | 4       |
| Bromobenzene                          | ND     |           | 2.0 | 1.0  | ug/L |   |          | 11/27/21 19:53 | 4       |
| Bromochloromethane                    | ND     |           | 4.0 | 1.4  | ug/L |   |          | 11/27/21 19:53 | 4       |
| Bromodichloromethane                  | ND     |           | 2.0 | 0.89 | ug/L |   |          | 11/27/21 19:53 | 4       |
| Bromoform                             | ND     |           | 2.0 | 1.6  | ug/L |   |          | 11/27/21 19:53 | 4       |
| Bromomethane                          | ND     |           | 4.0 | 3.7  | ug/L |   |          | 11/27/21 19:53 | 4       |
| cis-1,2-Dichloroethene                | ND     |           | 2.0 | 1.2  | ug/L |   |          | 11/27/21 19:53 | 4       |
| cis-1,3-Dichloropropene               | ND     |           | 2.0 | 0.77 | ug/L |   |          | 11/27/21 19:53 | 4       |
| Carbon disulfide                      | ND     |           | 4.0 | 0.98 | ug/L |   |          | 11/27/21 19:53 | 4       |
| Carbon tetrachloride                  | ND     |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 19:53 | 4       |
| Chlorobenzene                         | ND     |           | 2.0 | 0.95 | ug/L |   |          | 11/27/21 19:53 | 4       |
| Chloroethane                          | ND     |           | 2.0 | 1.8  | ug/L |   |          | 11/27/21 19:53 | 4       |
| Chloroform                            | ND     |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 19:53 | 4       |
| Chloromethane                         | ND     |           | 4.0 | 1.2  | ug/L |   |          | 11/27/21 19:53 | 4       |
| Dibromochloromethane                  | ND     |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 19:53 | 4       |
| Dibromomethane                        | ND     |           | 2.0 | 0.92 | ug/L |   |          | 11/27/21 19:53 | 4       |
| Dichlorodifluoromethane               | ND     |           | 4.0 | 2.7  | ug/L |   |          | 11/27/21 19:53 | 4       |
| Ethylbenzene                          | ND     |           | 2.0 | 1.4  | ug/L |   |          | 11/27/21 19:53 | 4       |
| Isopropylbenzene                      | ND     |           | 2.0 | 1.5  | ug/L |   |          | 11/27/21 19:53 | 4       |
| Methylene Chloride                    | ND     |           | 4.0 | 1.9  | ug/L |   |          | 11/27/21 19:53 | 4       |
| Methyl-t-Butyl Ether (MTBE)           | ND     |           | 2.0 | 0.82 | ug/L |   |          | 11/27/21 19:53 | 4       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HEW-04  
Date Collected: 11/16/21 08:20  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-13  
Matrix: Water

| Analyte                   | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Naphthalene               | ND     |           | 4.0 | 1.3  | ug/L |   |          | 11/27/21 19:53 | 4       |
| n-Butylbenzene            | ND     |           | 2.0 | 1.2  | ug/L |   |          | 11/27/21 19:53 | 4       |
| N-Propylbenzene           | ND     |           | 2.0 | 1.6  | ug/L |   |          | 11/27/21 19:53 | 4       |
| o-Xylene                  | ND     |           | 2.0 | 1.4  | ug/L |   |          | 11/27/21 19:53 | 4       |
| m,p-Xylene                | ND     |           | 4.0 | 3.1  | ug/L |   |          | 11/27/21 19:53 | 4       |
| p-Isopropyltoluene        | ND     |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 19:53 | 4       |
| sec-Butylbenzene          | ND     |           | 2.0 | 1.4  | ug/L |   |          | 11/27/21 19:53 | 4       |
| Styrene                   | ND     |           | 2.0 | 1.1  | ug/L |   |          | 11/27/21 19:53 | 4       |
| trans-1,2-Dichloroethene  | ND     |           | 2.0 | 1.4  | ug/L |   |          | 11/27/21 19:53 | 4       |
| trans-1,3-Dichloropropene | ND     |           | 2.0 | 0.69 | ug/L |   |          | 11/27/21 19:53 | 4       |
| tert-Butylbenzene         | ND     |           | 2.0 | 1.4  | ug/L |   |          | 11/27/21 19:53 | 4       |
| Tetrachloroethene         | 1.2    | J         | 2.0 | 1.2  | ug/L |   |          | 11/27/21 19:53 | 4       |
| Toluene                   | ND     |           | 2.0 | 1.3  | ug/L |   |          | 11/27/21 19:53 | 4       |
| Trichloroethene           | 79     |           | 2.0 | 1.2  | ug/L |   |          | 11/27/21 19:53 | 4       |
| Trichlorofluoromethane    | ND     |           | 2.0 | 1.2  | ug/L |   |          | 11/27/21 19:53 | 4       |
| Vinyl acetate             | ND     |           | 20  | 13   | ug/L |   |          | 11/27/21 19:53 | 4       |
| Vinyl chloride            | ND     |           | 2.0 | 1.6  | ug/L |   |          | 11/27/21 19:53 | 4       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 88        |           | 68 - 135 |          | 11/27/21 19:53 | 4       |
| 4-Bromofluorobenzene (Surr)  | 86        |           | 71 - 120 |          | 11/27/21 19:53 | 4       |
| Dibromofluoromethane         | 93        |           | 80 - 120 |          | 11/27/21 19:53 | 4       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 11/27/21 19:53 | 4       |

Client Sample ID: HEW-05  
Date Collected: 11/16/21 13:30  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-14  
Matrix: Water

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.0 | 0.51 | ug/L |   |          | 11/27/21 20:18 | 2       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.0 | 0.53 | ug/L |   |          | 11/27/21 20:18 | 2       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.0 | 0.39 | ug/L |   |          | 11/27/21 20:18 | 2       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.0 | 0.50 | ug/L |   |          | 11/27/21 20:18 | 2       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | 0.17 | ug/L |   |          | 11/27/21 20:18 | 2       |
| 1,1-Dichloroethane                    | ND     |           | 1.0 | 0.71 | ug/L |   |          | 11/27/21 20:18 | 2       |
| 1,1-Dichloroethene                    | ND     |           | 1.0 | 0.78 | ug/L |   |          | 11/27/21 20:18 | 2       |
| 1,1-Dichloropropene                   | ND     |           | 1.0 | 0.48 | ug/L |   |          | 11/27/21 20:18 | 2       |
| 1,2,3-Trichlorobenzene                | ND     |           | 1.0 | 0.55 | ug/L |   |          | 11/27/21 20:18 | 2       |
| 1,2,3-Trichloropropane                | ND     |           | 1.0 | 0.64 | ug/L |   |          | 11/27/21 20:18 | 2       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.0 | 0.75 | ug/L |   |          | 11/27/21 20:18 | 2       |
| 1,2,4-Trimethylbenzene                | ND     |           | 1.0 | 0.57 | ug/L |   |          | 11/27/21 20:18 | 2       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 2.0 | 1.3  | ug/L |   |          | 11/27/21 20:18 | 2       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | 0.27 | ug/L |   |          | 11/27/21 20:18 | 2       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | 0.46 | ug/L |   |          | 11/27/21 20:18 | 2       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | 0.30 | ug/L |   |          | 11/27/21 20:18 | 2       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | 0.48 | ug/L |   |          | 11/27/21 20:18 | 2       |
| 1,3,5-Trimethylbenzene                | ND     |           | 1.0 | 0.57 | ug/L |   |          | 11/27/21 20:18 | 2       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | 0.51 | ug/L |   |          | 11/27/21 20:18 | 2       |
| 1,3-Dichloropropane                   | ND     |           | 1.0 | 0.41 | ug/L |   |          | 11/27/21 20:18 | 2       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | 0.45 | ug/L |   |          | 11/27/21 20:18 | 2       |
| 2,2-Dichloropropane                   | ND     |           | 1.0 | 0.79 | ug/L |   |          | 11/27/21 20:18 | 2       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: HEW-05  
Date Collected: 11/16/21 13:30  
Date Received: 11/16/21 17:14

Lab Sample ID: 570-76016-14  
Matrix: Water

| Analyte                     | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 2-Butanone                  | ND     |           | 10  | 6.1  | ug/L |   |          | 11/27/21 20:18 | 2       |
| 2-Chlorotoluene             | ND     |           | 1.0 | 0.62 | ug/L |   |          | 11/27/21 20:18 | 2       |
| 2-Hexanone                  | ND     |           | 12  | 8.6  | ug/L |   |          | 11/27/21 20:18 | 2       |
| 4-Chlorotoluene             | ND     |           | 1.0 | 0.67 | ug/L |   |          | 11/27/21 20:18 | 2       |
| 4-Methyl-2-pentanone        | ND     |           | 10  | 4.5  | ug/L |   |          | 11/27/21 20:18 | 2       |
| Acetone                     | ND     |           | 16  | 8.0  | ug/L |   |          | 11/27/21 20:18 | 2       |
| Benzene                     | ND     |           | 1.0 | 0.53 | ug/L |   |          | 11/27/21 20:18 | 2       |
| Bromobenzene                | ND     |           | 1.0 | 0.52 | ug/L |   |          | 11/27/21 20:18 | 2       |
| Bromochloromethane          | ND     |           | 2.0 | 0.70 | ug/L |   |          | 11/27/21 20:18 | 2       |
| Bromodichloromethane        | ND     |           | 1.0 | 0.45 | ug/L |   |          | 11/27/21 20:18 | 2       |
| Bromoform                   | ND     |           | 1.0 | 0.78 | ug/L |   |          | 11/27/21 20:18 | 2       |
| Bromomethane                | ND     |           | 2.0 | 1.9  | ug/L |   |          | 11/27/21 20:18 | 2       |
| cis-1,2-Dichloroethene      | 5.8    |           | 1.0 | 0.60 | ug/L |   |          | 11/27/21 20:18 | 2       |
| cis-1,3-Dichloropropene     | ND     |           | 1.0 | 0.38 | ug/L |   |          | 11/27/21 20:18 | 2       |
| Carbon disulfide            | ND     |           | 2.0 | 0.49 | ug/L |   |          | 11/27/21 20:18 | 2       |
| Carbon tetrachloride        | ND     |           | 1.0 | 0.54 | ug/L |   |          | 11/27/21 20:18 | 2       |
| Chlorobenzene               | ND     |           | 1.0 | 0.48 | ug/L |   |          | 11/27/21 20:18 | 2       |
| Chloroethane                | ND     |           | 1.0 | 0.88 | ug/L |   |          | 11/27/21 20:18 | 2       |
| Chloroform                  | ND     |           | 1.0 | 0.57 | ug/L |   |          | 11/27/21 20:18 | 2       |
| Chloromethane               | ND     |           | 2.0 | 0.59 | ug/L |   |          | 11/27/21 20:18 | 2       |
| Dibromochloromethane        | ND     |           | 1.0 | 0.54 | ug/L |   |          | 11/27/21 20:18 | 2       |
| Dibromomethane              | ND     |           | 1.0 | 0.46 | ug/L |   |          | 11/27/21 20:18 | 2       |
| Dichlorodifluoromethane     | ND     |           | 2.0 | 1.4  | ug/L |   |          | 11/27/21 20:18 | 2       |
| Ethylbenzene                | ND     |           | 1.0 | 0.71 | ug/L |   |          | 11/27/21 20:18 | 2       |
| Isopropylbenzene            | ND     |           | 1.0 | 0.77 | ug/L |   |          | 11/27/21 20:18 | 2       |
| Methylene Chloride          | ND     |           | 2.0 | 0.96 | ug/L |   |          | 11/27/21 20:18 | 2       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 1.0 | 0.41 | ug/L |   |          | 11/27/21 20:18 | 2       |
| Naphthalene                 | ND     |           | 2.0 | 0.64 | ug/L |   |          | 11/27/21 20:18 | 2       |
| n-Butylbenzene              | ND     |           | 1.0 | 0.59 | ug/L |   |          | 11/27/21 20:18 | 2       |
| N-Propylbenzene             | ND     |           | 1.0 | 0.78 | ug/L |   |          | 11/27/21 20:18 | 2       |
| o-Xylene                    | ND     |           | 1.0 | 0.70 | ug/L |   |          | 11/27/21 20:18 | 2       |
| m,p-Xylene                  | ND     |           | 2.0 | 1.6  | ug/L |   |          | 11/27/21 20:18 | 2       |
| p-Isopropyltoluene          | ND     |           | 1.0 | 0.55 | ug/L |   |          | 11/27/21 20:18 | 2       |
| sec-Butylbenzene            | ND     |           | 1.0 | 0.68 | ug/L |   |          | 11/27/21 20:18 | 2       |
| Styrene                     | ND     |           | 1.0 | 0.55 | ug/L |   |          | 11/27/21 20:18 | 2       |
| trans-1,2-Dichloroethene    | ND     |           | 1.0 | 0.72 | ug/L |   |          | 11/27/21 20:18 | 2       |
| trans-1,3-Dichloropropene   | ND     |           | 1.0 | 0.35 | ug/L |   |          | 11/27/21 20:18 | 2       |
| tert-Butylbenzene           | ND     |           | 1.0 | 0.68 | ug/L |   |          | 11/27/21 20:18 | 2       |
| Tetrachloroethene           | ND     |           | 1.0 | 0.58 | ug/L |   |          | 11/27/21 20:18 | 2       |
| Toluene                     | ND     |           | 1.0 | 0.66 | ug/L |   |          | 11/27/21 20:18 | 2       |
| Trichloroethene             | 120    |           | 1.0 | 0.58 | ug/L |   |          | 11/27/21 20:18 | 2       |
| Trichlorofluoromethane      | ND     |           | 1.0 | 0.59 | ug/L |   |          | 11/27/21 20:18 | 2       |
| Vinyl acetate               | ND     |           | 10  | 6.3  | ug/L |   |          | 11/27/21 20:18 | 2       |
| Vinyl chloride              | ND     |           | 1.0 | 0.80 | ug/L |   |          | 11/27/21 20:18 | 2       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 96        |           | 68 - 135 |          | 11/27/21 20:18 | 2       |
| 4-Bromofluorobenzene (Surr)  | 87        |           | 71 - 120 |          | 11/27/21 20:18 | 2       |
| Dibromofluoromethane         | 97        |           | 80 - 120 |          | 11/27/21 20:18 | 2       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 120 |          | 11/27/21 20:18 | 2       |

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# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

**Client Sample ID: UAX-03**  
**Date Collected: 11/16/21 08:40**  
**Date Received: 11/16/21 17:14**

**Lab Sample ID: 570-76016-1**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 0.35      | J         | 0.50     | 0.34 | ug/L |   | 11/23/21 08:44 | 11/29/21 13:44 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 56        |           | 21 - 120 |      |      |   | 11/23/21 08:44 | 11/29/21 13:44 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 84        |           | 58 - 135 |      |      |   | 11/23/21 08:44 | 11/29/21 13:44 | 1       |

**Client Sample ID: HEW-0300**  
**Date Collected: 11/16/21 12:35**  
**Date Received: 11/16/21 17:14**

**Lab Sample ID: 570-76016-4**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 0.43      | J         | 0.50     | 0.34 | ug/L |   | 11/23/21 08:44 | 11/29/21 14:00 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 50        |           | 21 - 120 |      |      |   | 11/23/21 08:44 | 11/29/21 14:00 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 75        |           | 58 - 135 |      |      |   | 11/23/21 08:44 | 11/29/21 14:00 | 1       |

**Client Sample ID: LAX-01**  
**Date Collected: 11/16/21 09:50**  
**Date Received: 11/16/21 17:14**

**Lab Sample ID: 570-76016-5**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |           | 0.50     | 0.34 | ug/L |   | 11/23/21 08:44 | 11/29/21 14:32 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 54        |           | 21 - 120 |      |      |   | 11/23/21 08:44 | 11/29/21 14:32 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 88        |           | 58 - 135 |      |      |   | 11/23/21 08:44 | 11/29/21 14:32 | 1       |

**Client Sample ID: LAX-02**  
**Date Collected: 11/16/21 10:15**  
**Date Received: 11/16/21 17:14**

**Lab Sample ID: 570-76016-6**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |           | 0.50     | 0.34 | ug/L |   | 11/23/21 08:44 | 11/29/21 14:48 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 57        |           | 21 - 120 |      |      |   | 11/23/21 08:44 | 11/29/21 14:48 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 78        |           | 58 - 135 |      |      |   | 11/23/21 08:44 | 11/29/21 14:48 | 1       |

**Client Sample ID: LAX-03**  
**Date Collected: 11/16/21 11:20**  
**Date Received: 11/16/21 17:14**

**Lab Sample ID: 570-76016-7**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |           | 0.50     | 0.34 | ug/L |   | 11/23/21 08:44 | 11/29/21 15:05 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 51        |           | 21 - 120 |      |      |   | 11/23/21 08:44 | 11/29/21 15:05 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 86        |           | 58 - 135 |      |      |   | 11/23/21 08:44 | 11/29/21 15:05 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

**Client Sample ID: UAX-01**  
**Date Collected: 11/16/21 12:15**  
**Date Received: 11/16/21 17:14**

**Lab Sample ID: 570-76016-8**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |           | 0.50     | 0.34 | ug/L |   | 11/23/21 08:44 | 11/29/21 15:21 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 50        |           | 21 - 120 |      |      |   | 11/23/21 08:44 | 11/29/21 15:21 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 86        |           | 58 - 135 |      |      |   | 11/23/21 08:44 | 11/29/21 15:21 | 1       |

**Client Sample ID: UAX-02**  
**Date Collected: 11/16/21 11:35**  
**Date Received: 11/16/21 17:14**

**Lab Sample ID: 570-76016-9**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 1.3       |           | 0.50     | 0.34 | ug/L |   | 11/23/21 08:44 | 11/29/21 15:37 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 50        |           | 21 - 120 |      |      |   | 11/23/21 08:44 | 11/29/21 15:37 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 87        |           | 58 - 135 |      |      |   | 11/23/21 08:44 | 11/29/21 15:37 | 1       |

**Client Sample ID: HEW-01**  
**Date Collected: 11/16/21 12:05**  
**Date Received: 11/16/21 17:14**

**Lab Sample ID: 570-76016-10**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 0.90      |           | 0.50     | 0.34 | ug/L |   | 11/23/21 08:44 | 11/29/21 15:53 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 70        |           | 21 - 120 |      |      |   | 11/23/21 08:44 | 11/29/21 15:53 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 79        |           | 58 - 135 |      |      |   | 11/23/21 08:44 | 11/29/21 15:53 | 1       |

**Client Sample ID: HEW-02**  
**Date Collected: 11/16/21 14:10**  
**Date Received: 11/16/21 17:14**

**Lab Sample ID: 570-76016-11**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 1.6       |           | 0.50     | 0.34 | ug/L |   | 11/23/21 08:44 | 11/29/21 16:09 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 63        |           | 21 - 120 |      |      |   | 11/23/21 08:44 | 11/29/21 16:09 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 87        |           | 58 - 135 |      |      |   | 11/23/21 08:44 | 11/29/21 16:09 | 1       |

**Client Sample ID: HEW-03**  
**Date Collected: 11/16/21 11:50**  
**Date Received: 11/16/21 17:14**

**Lab Sample ID: 570-76016-12**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 0.48      | J         | 0.50     | 0.34 | ug/L |   | 11/23/21 08:44 | 11/29/21 16:25 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 56        |           | 21 - 120 |      |      |   | 11/23/21 08:44 | 11/29/21 16:25 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 89        |           | 58 - 135 |      |      |   | 11/23/21 08:44 | 11/29/21 16:25 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

**Client Sample ID: HEW-04**  
**Date Collected: 11/16/21 08:20**  
**Date Received: 11/16/21 17:14**

**Lab Sample ID: 570-76016-13**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 5.2       |           | 0.50     | 0.34 | ug/L |   | 11/23/21 08:44 | 11/29/21 13:28 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 56        |           | 21 - 120 |      |      |   | 11/23/21 08:44 | 11/29/21 13:28 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 85        |           | 58 - 135 |      |      |   | 11/23/21 08:44 | 11/29/21 13:28 | 1       |

**Client Sample ID: HEW-05**  
**Date Collected: 11/16/21 13:30**  
**Date Received: 11/16/21 17:14**

**Lab Sample ID: 570-76016-14**  
**Matrix: Water**

| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | 0.36      | J         | 0.50     | 0.34 | ug/L |   | 11/23/21 08:44 | 11/29/21 16:41 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 60        |           | 21 - 120 |      |      |   | 11/23/21 08:44 | 11/29/21 16:41 | 1       |
| Surrogate        | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 100       |           | 58 - 135 |      |      |   | 11/23/21 08:44 | 11/29/21 16:41 | 1       |

# Surrogate Summary

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID     | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                 |                  |                 |
|-------------------|------------------------|------------------------------------------------|-----------------|------------------|-----------------|
|                   |                        | DCA<br>(68-135)                                | BFB<br>(71-120) | DBFM<br>(80-120) | TOL<br>(80-120) |
| 570-76016-1       | UAX-03                 | 94                                             | 89              | 92               | 99              |
| 570-76016-2       | TB-111621              | 92                                             | 90              | 93               | 98              |
| 570-76016-3       | RB-111621              | 94                                             | 89              | 94               | 98              |
| 570-76016-4       | HEW-0300               | 96                                             | 90              | 95               | 101             |
| 570-76016-5       | LAX-01                 | 91                                             | 90              | 92               | 97              |
| 570-76016-6       | LAX-02                 | 92                                             | 89              | 94               | 97              |
| 570-76016-7       | LAX-03                 | 91                                             | 89              | 92               | 99              |
| 570-76016-8       | UAX-01                 | 93                                             | 90              | 92               | 98              |
| 570-76016-9       | UAX-02                 | 93                                             | 90              | 95               | 100             |
| 570-76016-10      | HEW-01                 | 90                                             | 87              | 95               | 104             |
| 570-76016-11      | HEW-02                 | 94                                             | 87              | 94               | 102             |
| 570-76016-12      | HEW-03                 | 91                                             | 86              | 95               | 101             |
| 570-76016-13      | HEW-04                 | 88                                             | 86              | 93               | 100             |
| 570-76016-13 MS   | HEW-04                 | 90                                             | 99              | 97               | 99              |
| 570-76016-13 MSD  | HEW-04                 | 91                                             | 100             | 95               | 99              |
| 570-76016-14      | HEW-05                 | 96                                             | 87              | 97               | 102             |
| LCS 570-197000/3  | Lab Control Sample     | 93                                             | 100             | 96               | 99              |
| LCSD 570-197000/4 | Lab Control Sample Dup | 94                                             | 101             | 98               | 99              |
| MB 570-197000/6   | Method Blank           | 94                                             | 91              | 95               | 98              |

### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
DBFM = Dibromofluoromethane  
TOL = Toluene-d8 (Surr)

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID       | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |  |  |  |
|---------------------|------------------------|------------------------------------------------|--|--|--|
|                     |                        | NBZ<br>(58-135)                                |  |  |  |
| 570-76016-1         | UAX-03                 | 84                                             |  |  |  |
| 570-76016-4         | HEW-0300               | 75                                             |  |  |  |
| 570-76016-5         | LAX-01                 | 88                                             |  |  |  |
| 570-76016-6         | LAX-02                 | 78                                             |  |  |  |
| 570-76016-7         | LAX-03                 | 86                                             |  |  |  |
| 570-76016-8         | UAX-01                 | 86                                             |  |  |  |
| 570-76016-9         | UAX-02                 | 87                                             |  |  |  |
| 570-76016-10        | HEW-01                 | 79                                             |  |  |  |
| 570-76016-11        | HEW-02                 | 87                                             |  |  |  |
| 570-76016-12        | HEW-03                 | 89                                             |  |  |  |
| 570-76016-13        | HEW-04                 | 85                                             |  |  |  |
| 570-76016-13 MS     | HEW-04                 | 85                                             |  |  |  |
| 570-76016-13 MSD    | HEW-04                 | 79                                             |  |  |  |
| 570-76016-14        | HEW-05                 | 100                                            |  |  |  |
| LCS 570-196260/2-A  | Lab Control Sample     | 77                                             |  |  |  |
| LCSD 570-196260/3-A | Lab Control Sample Dup | 80                                             |  |  |  |
| MB 570-196260/1-A   | Method Blank           | 83                                             |  |  |  |

### Surrogate Legend

Eurofins Calscience LLC

Surrogate Summary

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10  
NBZ = Nitrobenzene-d5

Job ID: 570-76016-1

|    |
|----|
| 1  |
| 2  |
| 3  |
| 4  |
| 5  |
| 6  |
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| 12 |
| 13 |
| 14 |
| 15 |
| 16 |



# Isotope Dilution Summary

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

**Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)**

**Matrix: Water**

**Prep Type: Total/NA**

## Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | DXE<br>(21-120) |
|---------------------|------------------------|-----------------|
| 570-76016-1         | UAX-03                 | 56              |
| 570-76016-4         | HEW-0300               | 50              |
| 570-76016-5         | LAX-01                 | 54              |
| 570-76016-6         | LAX-02                 | 57              |
| 570-76016-7         | LAX-03                 | 51              |
| 570-76016-8         | UAX-01                 | 50              |
| 570-76016-9         | UAX-02                 | 50              |
| 570-76016-10        | HEW-01                 | 70              |
| 570-76016-11        | HEW-02                 | 63              |
| 570-76016-12        | HEW-03                 | 56              |
| 570-76016-13        | HEW-04                 | 56              |
| 570-76016-13 MS     | HEW-04                 | 65              |
| 570-76016-13 MSD    | HEW-04                 | 64              |
| 570-76016-14        | HEW-05                 | 60              |
| LCS 570-196260/2-A  | Lab Control Sample     | 56              |
| LCSD 570-196260/3-A | Lab Control Sample Dup | 70              |
| MB 570-196260/1-A   | Method Blank           | 59              |

### Surrogate Legend

DXE = 1,4-Dioxane-d8

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-197000/6

Matrix: Water

Analysis Batch: 197000

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB Result | MB Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------|--------------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND        |              | 0.50 | 0.26  | ug/L |   |          | 11/27/21 13:36 | 1       |
| 1,1,1-Trichloroethane                 | ND        |              | 0.50 | 0.27  | ug/L |   |          | 11/27/21 13:36 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND        |              | 0.50 | 0.19  | ug/L |   |          | 11/27/21 13:36 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND        |              | 0.50 | 0.25  | ug/L |   |          | 11/27/21 13:36 | 1       |
| 1,1,2-Trichloroethane                 | ND        |              | 0.50 | 0.085 | ug/L |   |          | 11/27/21 13:36 | 1       |
| 1,1-Dichloroethane                    | ND        |              | 0.50 | 0.35  | ug/L |   |          | 11/27/21 13:36 | 1       |
| 1,1-Dichloroethene                    | ND        |              | 0.50 | 0.39  | ug/L |   |          | 11/27/21 13:36 | 1       |
| 1,1-Dichloropropene                   | ND        |              | 0.50 | 0.24  | ug/L |   |          | 11/27/21 13:36 | 1       |
| 1,2,3-Trichlorobenzene                | ND        |              | 0.50 | 0.28  | ug/L |   |          | 11/27/21 13:36 | 1       |
| 1,2,3-Trichloropropane                | ND        |              | 0.50 | 0.32  | ug/L |   |          | 11/27/21 13:36 | 1       |
| 1,2,4-Trichlorobenzene                | ND        |              | 0.50 | 0.38  | ug/L |   |          | 11/27/21 13:36 | 1       |
| 1,2,4-Trimethylbenzene                | ND        |              | 0.50 | 0.29  | ug/L |   |          | 11/27/21 13:36 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND        |              | 1.0  | 0.64  | ug/L |   |          | 11/27/21 13:36 | 1       |
| 1,2-Dibromoethane                     | ND        |              | 0.50 | 0.14  | ug/L |   |          | 11/27/21 13:36 | 1       |
| 1,2-Dichlorobenzene                   | ND        |              | 0.50 | 0.23  | ug/L |   |          | 11/27/21 13:36 | 1       |
| 1,2-Dichloroethane                    | ND        |              | 0.50 | 0.15  | ug/L |   |          | 11/27/21 13:36 | 1       |
| 1,2-Dichloropropane                   | ND        |              | 0.50 | 0.24  | ug/L |   |          | 11/27/21 13:36 | 1       |
| 1,3,5-Trimethylbenzene                | ND        |              | 0.50 | 0.28  | ug/L |   |          | 11/27/21 13:36 | 1       |
| 1,3-Dichlorobenzene                   | ND        |              | 0.50 | 0.26  | ug/L |   |          | 11/27/21 13:36 | 1       |
| 1,3-Dichloropropane                   | ND        |              | 0.50 | 0.20  | ug/L |   |          | 11/27/21 13:36 | 1       |
| 1,4-Dichlorobenzene                   | ND        |              | 0.50 | 0.22  | ug/L |   |          | 11/27/21 13:36 | 1       |
| 2,2-Dichloropropane                   | ND        |              | 0.50 | 0.40  | ug/L |   |          | 11/27/21 13:36 | 1       |
| 2-Butanone                            | ND        |              | 5.0  | 3.0   | ug/L |   |          | 11/27/21 13:36 | 1       |
| 2-Chlorotoluene                       | ND        |              | 0.50 | 0.31  | ug/L |   |          | 11/27/21 13:36 | 1       |
| 2-Hexanone                            | ND        |              | 6.0  | 4.3   | ug/L |   |          | 11/27/21 13:36 | 1       |
| 4-Chlorotoluene                       | ND        |              | 0.50 | 0.34  | ug/L |   |          | 11/27/21 13:36 | 1       |
| 4-Methyl-2-pentanone                  | ND        |              | 5.0  | 2.2   | ug/L |   |          | 11/27/21 13:36 | 1       |
| Acetone                               | ND        |              | 8.0  | 4.0   | ug/L |   |          | 11/27/21 13:36 | 1       |
| Benzene                               | ND        |              | 0.50 | 0.27  | ug/L |   |          | 11/27/21 13:36 | 1       |
| Bromobenzene                          | ND        |              | 0.50 | 0.26  | ug/L |   |          | 11/27/21 13:36 | 1       |
| Bromochloromethane                    | ND        |              | 1.0  | 0.35  | ug/L |   |          | 11/27/21 13:36 | 1       |
| Bromodichloromethane                  | ND        |              | 0.50 | 0.22  | ug/L |   |          | 11/27/21 13:36 | 1       |
| Bromoform                             | ND        |              | 0.50 | 0.39  | ug/L |   |          | 11/27/21 13:36 | 1       |
| Bromomethane                          | ND        |              | 1.0  | 0.93  | ug/L |   |          | 11/27/21 13:36 | 1       |
| cis-1,2-Dichloroethene                | ND        |              | 0.50 | 0.30  | ug/L |   |          | 11/27/21 13:36 | 1       |
| cis-1,3-Dichloropropene               | ND        |              | 0.50 | 0.19  | ug/L |   |          | 11/27/21 13:36 | 1       |
| Carbon disulfide                      | ND        |              | 1.0  | 0.24  | ug/L |   |          | 11/27/21 13:36 | 1       |
| Carbon tetrachloride                  | ND        |              | 0.50 | 0.27  | ug/L |   |          | 11/27/21 13:36 | 1       |
| Chlorobenzene                         | ND        |              | 0.50 | 0.24  | ug/L |   |          | 11/27/21 13:36 | 1       |
| Chloroethane                          | ND        |              | 0.50 | 0.44  | ug/L |   |          | 11/27/21 13:36 | 1       |
| Chloroform                            | ND        |              | 0.50 | 0.28  | ug/L |   |          | 11/27/21 13:36 | 1       |
| Chloromethane                         | ND        |              | 1.0  | 0.29  | ug/L |   |          | 11/27/21 13:36 | 1       |
| Dibromochloromethane                  | ND        |              | 0.50 | 0.27  | ug/L |   |          | 11/27/21 13:36 | 1       |
| Dibromomethane                        | ND        |              | 0.50 | 0.23  | ug/L |   |          | 11/27/21 13:36 | 1       |
| Dichlorodifluoromethane               | ND        |              | 1.0  | 0.68  | ug/L |   |          | 11/27/21 13:36 | 1       |
| Ethylbenzene                          | ND        |              | 0.50 | 0.36  | ug/L |   |          | 11/27/21 13:36 | 1       |
| Isopropylbenzene                      | ND        |              | 0.50 | 0.38  | ug/L |   |          | 11/27/21 13:36 | 1       |
| Methylene Chloride                    | ND        |              | 1.0  | 0.48  | ug/L |   |          | 11/27/21 13:36 | 1       |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-197000/6

Matrix: Water

Analysis Batch: 197000

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|------|------|------|---|----------|----------------|---------|
| Methyl-t-Butyl Ether (MTBE) | ND        |              | 0.50 | 0.21 | ug/L |   |          | 11/27/21 13:36 | 1       |
| Naphthalene                 | ND        |              | 1.0  | 0.32 | ug/L |   |          | 11/27/21 13:36 | 1       |
| n-Butylbenzene              | ND        |              | 0.50 | 0.29 | ug/L |   |          | 11/27/21 13:36 | 1       |
| N-Propylbenzene             | ND        |              | 0.50 | 0.39 | ug/L |   |          | 11/27/21 13:36 | 1       |
| o-Xylene                    | ND        |              | 0.50 | 0.35 | ug/L |   |          | 11/27/21 13:36 | 1       |
| m,p-Xylene                  | ND        |              | 1.0  | 0.78 | ug/L |   |          | 11/27/21 13:36 | 1       |
| p-Isopropyltoluene          | ND        |              | 0.50 | 0.28 | ug/L |   |          | 11/27/21 13:36 | 1       |
| sec-Butylbenzene            | ND        |              | 0.50 | 0.34 | ug/L |   |          | 11/27/21 13:36 | 1       |
| Styrene                     | ND        |              | 0.50 | 0.28 | ug/L |   |          | 11/27/21 13:36 | 1       |
| trans-1,2-Dichloroethene    | ND        |              | 0.50 | 0.36 | ug/L |   |          | 11/27/21 13:36 | 1       |
| trans-1,3-Dichloropropene   | ND        |              | 0.50 | 0.17 | ug/L |   |          | 11/27/21 13:36 | 1       |
| tert-Butylbenzene           | ND        |              | 0.50 | 0.34 | ug/L |   |          | 11/27/21 13:36 | 1       |
| Tetrachloroethene           | ND        |              | 0.50 | 0.29 | ug/L |   |          | 11/27/21 13:36 | 1       |
| Toluene                     | ND        |              | 0.50 | 0.33 | ug/L |   |          | 11/27/21 13:36 | 1       |
| Trichloroethene             | ND        |              | 0.50 | 0.29 | ug/L |   |          | 11/27/21 13:36 | 1       |
| Trichlorofluoromethane      | ND        |              | 0.50 | 0.30 | ug/L |   |          | 11/27/21 13:36 | 1       |
| Vinyl acetate               | ND        |              | 5.0  | 3.1  | ug/L |   |          | 11/27/21 13:36 | 1       |
| Vinyl chloride              | ND        |              | 0.50 | 0.40 | ug/L |   |          | 11/27/21 13:36 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 94           |              | 68 - 135 |          | 11/27/21 13:36 | 1       |
| 4-Bromofluorobenzene (Surr)  | 91           |              | 71 - 120 |          | 11/27/21 13:36 | 1       |
| Dibromofluoromethane         | 95           |              | 80 - 120 |          | 11/27/21 13:36 | 1       |
| Toluene-d8 (Surr)            | 98           |              | 80 - 120 |          | 11/27/21 13:36 | 1       |

Lab Sample ID: LCS 570-197000/3

Matrix: Water

Analysis Batch: 197000

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,1,1,2-Tetrachloroethane             | 10.0        | 9.597      |               | ug/L |   | 96   | 76 - 143     |
| 1,1,1-Trichloroethane                 | 10.0        | 9.439      |               | ug/L |   | 94   | 75 - 128     |
| 1,1,2,2-Tetrachloroethane             | 10.0        | 9.175      |               | ug/L |   | 92   | 73 - 126     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0        | 8.764      |               | ug/L |   | 88   | 50 - 120     |
| 1,1,2-Trichloroethane                 | 10.0        | 9.585      |               | ug/L |   | 96   | 80 - 120     |
| 1,1-Dichloroethane                    | 10.0        | 9.288      |               | ug/L |   | 93   | 76 - 120     |
| 1,1-Dichloroethene                    | 10.0        | 9.170      |               | ug/L |   | 92   | 72 - 120     |
| 1,1-Dichloropropene                   | 10.0        | 9.559      |               | ug/L |   | 96   | 76 - 120     |
| 1,2,3-Trichlorobenzene                | 10.0        | 9.544      |               | ug/L |   | 95   | 80 - 125     |
| 1,2,3-Trichloropropane                | 10.0        | 9.050      |               | ug/L |   | 90   | 66 - 131     |
| 1,2,4-Trichlorobenzene                | 10.0        | 10.00      |               | ug/L |   | 100  | 80 - 123     |
| 1,2,4-Trimethylbenzene                | 10.0        | 9.275      |               | ug/L |   | 93   | 78 - 125     |
| 1,2-Dibromo-3-Chloropropane           | 10.0        | 8.471      |               | ug/L |   | 85   | 77 - 120     |
| 1,2-Dibromoethane                     | 10.0        | 9.566      |               | ug/L |   | 96   | 80 - 120     |
| 1,2-Dichlorobenzene                   | 10.0        | 9.678      |               | ug/L |   | 97   | 79 - 123     |
| 1,2-Dichloroethane                    | 10.0        | 9.209      |               | ug/L |   | 92   | 71 - 137     |
| 1,2-Dichloropropane                   | 10.0        | 9.410      |               | ug/L |   | 94   | 80 - 120     |
| 1,3,5-Trimethylbenzene                | 10.0        | 9.177      |               | ug/L |   | 92   | 77 - 133     |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-197000/3

Matrix: Water

Analysis Batch: 197000

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,3-Dichlorobenzene         | 10.0        | 9.680      |               | ug/L |   | 97   | 79 - 123     |
| 1,3-Dichloropropane         | 10.0        | 9.254      |               | ug/L |   | 93   | 80 - 123     |
| 1,4-Dichlorobenzene         | 10.0        | 9.433      |               | ug/L |   | 94   | 75 - 123     |
| 2,2-Dichloropropane         | 10.0        | 10.35      |               | ug/L |   | 103  | 78 - 133     |
| 2-Butanone                  | 10.0        | 7.862      |               | ug/L |   | 79   | 32 - 133     |
| 2-Chlorotoluene             | 10.0        | 9.641      |               | ug/L |   | 96   | 80 - 120     |
| 2-Hexanone                  | 10.0        | 8.739      |               | ug/L |   | 87   | 57 - 127     |
| 4-Chlorotoluene             | 10.0        | 9.350      |               | ug/L |   | 93   | 78 - 120     |
| 4-Methyl-2-pentanone        | 10.0        | 8.299      |               | ug/L |   | 83   | 68 - 120     |
| Acetone                     | 10.0        | 8.046      |               | ug/L |   | 80   | 57 - 133     |
| Benzene                     | 10.0        | 9.412      |               | ug/L |   | 94   | 80 - 120     |
| Bromobenzene                | 10.0        | 9.774      |               | ug/L |   | 98   | 80 - 124     |
| Bromochloromethane          | 10.0        | 9.287      |               | ug/L |   | 93   | 76 - 125     |
| Bromodichloromethane        | 10.0        | 9.587      |               | ug/L |   | 96   | 77 - 141     |
| Bromoform                   | 10.0        | 9.367      |               | ug/L |   | 94   | 46 - 178     |
| Bromomethane                | 10.0        | 8.860      |               | ug/L |   | 89   | 52 - 162     |
| cis-1,2-Dichloroethene      | 10.0        | 9.751      |               | ug/L |   | 98   | 76 - 122     |
| cis-1,3-Dichloropropene     | 10.0        | 9.599      |               | ug/L |   | 96   | 80 - 122     |
| Carbon disulfide            | 10.0        | 9.093      |               | ug/L |   | 91   | 66 - 125     |
| Carbon tetrachloride        | 10.0        | 8.849      |               | ug/L |   | 88   | 69 - 145     |
| Chlorobenzene               | 10.0        | 9.593      |               | ug/L |   | 96   | 80 - 120     |
| Chloroethane                | 10.0        | 9.112      |               | ug/L |   | 91   | 73 - 139     |
| Chloroform                  | 10.0        | 9.308      |               | ug/L |   | 93   | 80 - 120     |
| Chloromethane               | 10.0        | 8.420      |               | ug/L |   | 84   | 35 - 159     |
| Dibromochloromethane        | 10.0        | 9.873      |               | ug/L |   | 99   | 63 - 151     |
| Dibromomethane              | 10.0        | 9.580      |               | ug/L |   | 96   | 80 - 121     |
| Dichlorodifluoromethane     | 10.0        | 7.620      |               | ug/L |   | 76   | 59 - 139     |
| Ethylbenzene                | 10.0        | 9.858      |               | ug/L |   | 99   | 80 - 120     |
| Isopropylbenzene            | 10.0        | 9.371      |               | ug/L |   | 94   | 80 - 124     |
| Methylene Chloride          | 10.0        | 8.978      |               | ug/L |   | 90   | 70 - 120     |
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 9.188      |               | ug/L |   | 92   | 72 - 120     |
| Naphthalene                 | 10.0        | 8.617      |               | ug/L |   | 86   | 75 - 120     |
| n-Butylbenzene              | 10.0        | 9.272      |               | ug/L |   | 93   | 76 - 124     |
| N-Propylbenzene             | 10.0        | 9.482      |               | ug/L |   | 95   | 80 - 122     |
| o-Xylene                    | 10.0        | 9.973      |               | ug/L |   | 100  | 80 - 122     |
| m,p-Xylene                  | 20.0        | 19.88      |               | ug/L |   | 99   | 80 - 122     |
| p-Isopropyltoluene          | 10.0        | 9.376      |               | ug/L |   | 94   | 77 - 127     |
| sec-Butylbenzene            | 10.0        | 9.219      |               | ug/L |   | 92   | 75 - 123     |
| Styrene                     | 10.0        | 9.149      |               | ug/L |   | 91   | 80 - 121     |
| trans-1,2-Dichloroethene    | 10.0        | 9.449      |               | ug/L |   | 94   | 67 - 123     |
| trans-1,3-Dichloropropene   | 10.0        | 9.447      |               | ug/L |   | 94   | 78 - 140     |
| tert-Butylbenzene           | 10.0        | 9.188      |               | ug/L |   | 92   | 72 - 128     |
| Tetrachloroethene           | 10.0        | 10.13      |               | ug/L |   | 101  | 80 - 128     |
| Toluene                     | 10.0        | 9.606      |               | ug/L |   | 96   | 80 - 120     |
| Trichloroethene             | 10.0        | 9.524      |               | ug/L |   | 95   | 80 - 123     |
| Trichlorofluoromethane      | 10.0        | 9.797      |               | ug/L |   | 98   | 64 - 168     |
| Vinyl acetate               | 10.0        | 8.559      |               | ug/L |   | 86   | 75 - 144     |
| Vinyl chloride              | 10.0        | 10.01      |               | ug/L |   | 100  | 74 - 130     |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-197000/3

Matrix: Water

Analysis Batch: 197000

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Surrogate                    | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|------------------------------|------------------|------------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 93               |                  | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 100              |                  | 71 - 120 |
| Dibromofluoromethane         | 96               |                  | 80 - 120 |
| Toluene-d8 (Surr)            | 99               |                  | 80 - 120 |

Lab Sample ID: LCSD 570-197000/4

Matrix: Water

Analysis Batch: 197000

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|---------------------------------------|----------------|----------------|-------------------|------|---|------|-----------------|-----|--------------|
| 1,1,1,2-Tetrachloroethane             | 10.0           | 9.353          |                   | ug/L |   | 94   | 76 - 143        | 3   | 20           |
| 1,1,1-Trichloroethane                 | 10.0           | 9.113          |                   | ug/L |   | 91   | 75 - 128        | 4   | 20           |
| 1,1,2,2-Tetrachloroethane             | 10.0           | 9.439          |                   | ug/L |   | 94   | 73 - 126        | 3   | 21           |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.0           | 8.425          |                   | ug/L |   | 84   | 50 - 120        | 4   | 20           |
| 1,1,2-Trichloroethane                 | 10.0           | 9.460          |                   | ug/L |   | 95   | 80 - 120        | 1   | 20           |
| 1,1-Dichloroethane                    | 10.0           | 8.861          |                   | ug/L |   | 89   | 76 - 120        | 5   | 20           |
| 1,1-Dichloroethene                    | 10.0           | 8.792          |                   | ug/L |   | 88   | 72 - 120        | 4   | 20           |
| 1,1-Dichloropropene                   | 10.0           | 9.185          |                   | ug/L |   | 92   | 76 - 120        | 4   | 20           |
| 1,2,3-Trichlorobenzene                | 10.0           | 9.667          |                   | ug/L |   | 97   | 80 - 125        | 1   | 22           |
| 1,2,3-Trichloropropane                | 10.0           | 9.185          |                   | ug/L |   | 92   | 66 - 131        | 1   | 20           |
| 1,2,4-Trichlorobenzene                | 10.0           | 9.925          |                   | ug/L |   | 99   | 80 - 123        | 1   | 20           |
| 1,2,4-Trimethylbenzene                | 10.0           | 9.195          |                   | ug/L |   | 92   | 78 - 125        | 1   | 22           |
| 1,2-Dibromo-3-Chloropropane           | 10.0           | 8.058          |                   | ug/L |   | 81   | 77 - 120        | 5   | 21           |
| 1,2-Dibromoethane                     | 10.0           | 9.658          |                   | ug/L |   | 97   | 80 - 120        | 1   | 20           |
| 1,2-Dichlorobenzene                   | 10.0           | 9.700          |                   | ug/L |   | 97   | 79 - 123        | 0   | 20           |
| 1,2-Dichloroethane                    | 10.0           | 9.142          |                   | ug/L |   | 91   | 71 - 137        | 1   | 20           |
| 1,2-Dichloropropane                   | 10.0           | 9.148          |                   | ug/L |   | 91   | 80 - 120        | 3   | 20           |
| 1,3,5-Trimethylbenzene                | 10.0           | 9.013          |                   | ug/L |   | 90   | 77 - 133        | 2   | 20           |
| 1,3-Dichlorobenzene                   | 10.0           | 9.507          |                   | ug/L |   | 95   | 79 - 123        | 2   | 20           |
| 1,3-Dichloropropane                   | 10.0           | 9.391          |                   | ug/L |   | 94   | 80 - 123        | 1   | 20           |
| 1,4-Dichlorobenzene                   | 10.0           | 9.475          |                   | ug/L |   | 95   | 75 - 123        | 0   | 22           |
| 2,2-Dichloropropane                   | 10.0           | 9.762          |                   | ug/L |   | 98   | 78 - 133        | 6   | 20           |
| 2-Butanone                            | 10.0           | 8.856          |                   | ug/L |   | 89   | 32 - 133        | 12  | 26           |
| 2-Chlorotoluene                       | 10.0           | 9.363          |                   | ug/L |   | 94   | 80 - 120        | 3   | 20           |
| 2-Hexanone                            | 10.0           | 8.559          |                   | ug/L |   | 86   | 57 - 127        | 2   | 21           |
| 4-Chlorotoluene                       | 10.0           | 9.336          |                   | ug/L |   | 93   | 78 - 120        | 0   | 21           |
| 4-Methyl-2-pentanone                  | 10.0           | 8.240          |                   | ug/L |   | 82   | 68 - 120        | 1   | 20           |
| Acetone                               | 10.0           | 9.221          |                   | ug/L |   | 92   | 57 - 133        | 14  | 28           |
| Benzene                               | 10.0           | 9.241          |                   | ug/L |   | 92   | 80 - 120        | 2   | 20           |
| Bromobenzene                          | 10.0           | 9.808          |                   | ug/L |   | 98   | 80 - 124        | 0   | 20           |
| Bromochloromethane                    | 10.0           | 9.057          |                   | ug/L |   | 91   | 76 - 125        | 3   | 20           |
| Bromodichloromethane                  | 10.0           | 9.402          |                   | ug/L |   | 94   | 77 - 141        | 2   | 20           |
| Bromoform                             | 10.0           | 9.690          |                   | ug/L |   | 97   | 46 - 178        | 3   | 23           |
| Bromomethane                          | 10.0           | 8.591          |                   | ug/L |   | 86   | 52 - 162        | 3   | 20           |
| cis-1,2-Dichloroethene                | 10.0           | 9.233          |                   | ug/L |   | 92   | 76 - 122        | 5   | 20           |
| cis-1,3-Dichloropropene               | 10.0           | 9.401          |                   | ug/L |   | 94   | 80 - 122        | 2   | 20           |
| Carbon disulfide                      | 10.0           | 8.667          |                   | ug/L |   | 87   | 66 - 125        | 5   | 20           |
| Carbon tetrachloride                  | 10.0           | 8.495          |                   | ug/L |   | 85   | 69 - 145        | 4   | 20           |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 570-197000/4

Matrix: Water

Analysis Batch: 197000

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                     | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Chlorobenzene               | 10.0        | 9.332       |                | ug/L |   | 93   | 80 - 120     | 3   | 20        |
| Chloroethane                | 10.0        | 8.899       |                | ug/L |   | 89   | 73 - 139     | 2   | 20        |
| Chloroform                  | 10.0        | 9.105       |                | ug/L |   | 91   | 80 - 120     | 2   | 20        |
| Chloromethane               | 10.0        | 8.020       |                | ug/L |   | 80   | 35 - 159     | 5   | 20        |
| Dibromochloromethane        | 10.0        | 9.820       |                | ug/L |   | 98   | 63 - 151     | 1   | 20        |
| Dibromomethane              | 10.0        | 9.513       |                | ug/L |   | 95   | 80 - 121     | 1   | 20        |
| Dichlorodifluoromethane     | 10.0        | 7.310       |                | ug/L |   | 73   | 59 - 139     | 4   | 20        |
| Ethylbenzene                | 10.0        | 9.611       |                | ug/L |   | 96   | 80 - 120     | 3   | 20        |
| Isopropylbenzene            | 10.0        | 9.239       |                | ug/L |   | 92   | 80 - 124     | 1   | 20        |
| Methylene Chloride          | 10.0        | 8.680       |                | ug/L |   | 87   | 70 - 120     | 3   | 20        |
| Methyl-t-Butyl Ether (MTBE) | 10.0        | 9.242       |                | ug/L |   | 92   | 72 - 120     | 1   | 20        |
| Naphthalene                 | 10.0        | 8.995       |                | ug/L |   | 90   | 75 - 120     | 4   | 22        |
| n-Butylbenzene              | 10.0        | 9.087       |                | ug/L |   | 91   | 76 - 124     | 2   | 23        |
| N-Propylbenzene             | 10.0        | 9.228       |                | ug/L |   | 92   | 80 - 122     | 3   | 20        |
| o-Xylene                    | 10.0        | 9.825       |                | ug/L |   | 98   | 80 - 122     | 1   | 20        |
| m,p-Xylene                  | 20.0        | 19.39       |                | ug/L |   | 97   | 80 - 122     | 2   | 20        |
| p-Isopropyltoluene          | 10.0        | 9.282       |                | ug/L |   | 93   | 77 - 127     | 1   | 21        |
| sec-Butylbenzene            | 10.0        | 9.194       |                | ug/L |   | 92   | 75 - 123     | 0   | 21        |
| Styrene                     | 10.0        | 8.958       |                | ug/L |   | 90   | 80 - 121     | 2   | 20        |
| trans-1,2-Dichloroethene    | 10.0        | 8.955       |                | ug/L |   | 90   | 67 - 123     | 5   | 20        |
| trans-1,3-Dichloropropene   | 10.0        | 9.380       |                | ug/L |   | 94   | 78 - 140     | 1   | 20        |
| tert-Butylbenzene           | 10.0        | 9.151       |                | ug/L |   | 92   | 72 - 128     | 0   | 22        |
| Tetrachloroethene           | 10.0        | 9.805       |                | ug/L |   | 98   | 80 - 128     | 3   | 20        |
| Toluene                     | 10.0        | 9.395       |                | ug/L |   | 94   | 80 - 120     | 2   | 20        |
| Trichloroethene             | 10.0        | 9.404       |                | ug/L |   | 94   | 80 - 123     | 1   | 20        |
| Trichlorofluoromethane      | 10.0        | 9.240       |                | ug/L |   | 92   | 64 - 168     | 6   | 20        |
| Vinyl acetate               | 10.0        | 8.834       |                | ug/L |   | 88   | 75 - 144     | 3   | 25        |
| Vinyl chloride              | 10.0        | 9.482       |                | ug/L |   | 95   | 74 - 130     | 5   | 20        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 94             |                | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 101            |                | 71 - 120 |
| Dibromofluoromethane         | 98             |                | 80 - 120 |
| Toluene-d8 (Surr)            | 99             |                | 80 - 120 |

Lab Sample ID: 570-76016-13 MS

Matrix: Water

Analysis Batch: 197000

Client Sample ID: HEW-04

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,1,1,2-Tetrachloroethane             | ND            |                  | 40.0        | 37.02     |              | ug/L |   | 93   | 57 - 157     |
| 1,1,1-Trichloroethane                 | ND            |                  | 40.0        | 37.91     |              | ug/L |   | 95   | 54 - 152     |
| 1,1,2,2-Tetrachloroethane             | ND            |                  | 40.0        | 35.20     |              | ug/L |   | 88   | 67 - 143     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |                  | 40.0        | 33.10     |              | ug/L |   | 83   | 35 - 132     |
| 1,1,2-Trichloroethane                 | ND            |                  | 40.0        | 36.02     |              | ug/L |   | 90   | 70 - 138     |
| 1,1-Dichloroethane                    | ND            |                  | 40.0        | 37.71     |              | ug/L |   | 94   | 57 - 140     |
| 1,1-Dichloroethene                    | ND            |                  | 40.0        | 37.92     |              | ug/L |   | 95   | 48 - 146     |
| 1,1-Dichloropropene                   | ND            |                  | 40.0        | 37.17     |              | ug/L |   | 93   | 56 - 144     |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-76016-13 MS

Matrix: Water

Analysis Batch: 197000

Client Sample ID: HEW-04

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,2,3-Trichlorobenzene      | ND            |                  | 40.0        | 33.67     |              | ug/L |   | 84   | 66 - 146     |
| 1,2,3-Trichloropropane      | ND            |                  | 40.0        | 34.10     |              | ug/L |   | 85   | 66 - 139     |
| 1,2,4-Trichlorobenzene      | ND            |                  | 40.0        | 34.39     |              | ug/L |   | 86   | 64 - 146     |
| 1,2,4-Trimethylbenzene      | ND            |                  | 40.0        | 33.76     |              | ug/L |   | 84   | 52 - 156     |
| 1,2-Dibromo-3-Chloropropane | ND            |                  | 40.0        | 30.13     |              | ug/L |   | 75   | 57 - 145     |
| 1,2-Dibromoethane           | ND            |                  | 40.0        | 35.99     |              | ug/L |   | 90   | 69 - 139     |
| 1,2-Dichlorobenzene         | ND            |                  | 40.0        | 35.95     |              | ug/L |   | 90   | 63 - 146     |
| 1,2-Dichloroethane          | ND            |                  | 40.0        | 35.82     |              | ug/L |   | 90   | 63 - 151     |
| 1,2-Dichloropropane         | ND            |                  | 40.0        | 36.27     |              | ug/L |   | 91   | 65 - 143     |
| 1,3,5-Trimethylbenzene      | ND            |                  | 40.0        | 34.11     |              | ug/L |   | 85   | 58 - 158     |
| 1,3-Dichlorobenzene         | ND            |                  | 40.0        | 36.03     |              | ug/L |   | 90   | 61 - 145     |
| 1,3-Dichloropropane         | ND            |                  | 40.0        | 35.49     |              | ug/L |   | 89   | 70 - 137     |
| 1,4-Dichlorobenzene         | ND            |                  | 40.0        | 34.78     |              | ug/L |   | 87   | 61 - 141     |
| 2,2-Dichloropropane         | ND            |                  | 40.0        | 35.53     |              | ug/L |   | 89   | 56 - 148     |
| 2-Butanone                  | ND            |                  | 40.0        | 26.67     |              | ug/L |   | 67   | 48 - 141     |
| 2-Chlorotoluene             | ND            |                  | 40.0        | 36.50     |              | ug/L |   | 91   | 58 - 145     |
| 2-Hexanone                  | ND            |                  | 40.0        | 30.48     |              | ug/L |   | 76   | 61 - 139     |
| 4-Chlorotoluene             | ND            |                  | 40.0        | 35.67     |              | ug/L |   | 89   | 59 - 144     |
| 4-Methyl-2-pentanone        | ND            |                  | 40.0        | 27.88     |              | ug/L |   | 70   | 63 - 139     |
| Acetone                     | ND            |                  | 40.0        | 27.48     | J            | ug/L |   | 69   | 49 - 130     |
| Benzene                     | ND            |                  | 40.0        | 37.61     |              | ug/L |   | 94   | 61 - 143     |
| Bromobenzene                | ND            |                  | 40.0        | 37.47     |              | ug/L |   | 94   | 64 - 146     |
| Bromochloromethane          | ND            |                  | 40.0        | 36.95     |              | ug/L |   | 92   | 65 - 140     |
| Bromodichloromethane        | ND            |                  | 40.0        | 37.20     |              | ug/L |   | 93   | 61 - 158     |
| Bromoform                   | ND            |                  | 40.0        | 34.39     |              | ug/L |   | 86   | 48 - 168     |
| Bromomethane                | ND            |                  | 40.0        | 39.05     |              | ug/L |   | 98   | 58 - 175     |
| cis-1,2-Dichloroethene      | ND            |                  | 40.0        | 39.15     |              | ug/L |   | 98   | 53 - 156     |
| cis-1,3-Dichloropropene     | ND            |                  | 40.0        | 34.24     |              | ug/L |   | 86   | 65 - 142     |
| Carbon disulfide            | ND            |                  | 40.0        | 36.86     |              | ug/L |   | 92   | 48 - 149     |
| Carbon tetrachloride        | ND            |                  | 40.0        | 34.26     |              | ug/L |   | 86   | 46 - 167     |
| Chlorobenzene               | ND            |                  | 40.0        | 37.10     |              | ug/L |   | 93   | 62 - 143     |
| Chloroethane                | ND            |                  | 40.0        | 36.45     |              | ug/L |   | 91   | 65 - 162     |
| Chloroform                  | ND            |                  | 40.0        | 37.75     |              | ug/L |   | 94   | 62 - 145     |
| Chloromethane               | ND            |                  | 40.0        | 31.50     |              | ug/L |   | 79   | 21 - 171     |
| Dibromochloromethane        | ND            |                  | 40.0        | 37.71     |              | ug/L |   | 94   | 56 - 156     |
| Dibromomethane              | ND            |                  | 40.0        | 37.01     |              | ug/L |   | 93   | 69 - 142     |
| Dichlorodifluoromethane     | ND            |                  | 40.0        | 26.57     |              | ug/L |   | 66   | 38 - 159     |
| Ethylbenzene                | ND            |                  | 40.0        | 37.83     |              | ug/L |   | 95   | 59 - 145     |
| Isopropylbenzene            | ND            |                  | 40.0        | 35.38     |              | ug/L |   | 88   | 61 - 149     |
| Methylene Chloride          | ND            |                  | 40.0        | 36.05     |              | ug/L |   | 90   | 57 - 131     |
| Methyl-t-Butyl Ether (MTBE) | ND            |                  | 40.0        | 32.92     |              | ug/L |   | 82   | 62 - 125     |
| Naphthalene                 | ND            |                  | 40.0        | 29.40     |              | ug/L |   | 74   | 54 - 148     |
| n-Butylbenzene              | ND            |                  | 40.0        | 32.13     |              | ug/L |   | 80   | 57 - 150     |
| N-Propylbenzene             | ND            |                  | 40.0        | 35.26     |              | ug/L |   | 88   | 60 - 149     |
| o-Xylene                    | ND            |                  | 40.0        | 38.21     |              | ug/L |   | 96   | 61 - 150     |
| m,p-Xylene                  | ND            |                  | 80.0        | 76.15     |              | ug/L |   | 95   | 61 - 150     |
| p-Isopropyltoluene          | ND            |                  | 40.0        | 33.19     |              | ug/L |   | 83   | 55 - 153     |
| sec-Butylbenzene            | ND            |                  | 40.0        | 33.20     |              | ug/L |   | 83   | 57 - 148     |
| Styrene                     | ND            |                  | 40.0        | 35.02     |              | ug/L |   | 88   | 53 - 146     |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-76016-13 MS

Matrix: Water

Analysis Batch: 197000

Client Sample ID: HEW-04

Prep Type: Total/NA

| Analyte                   | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| trans-1,2-Dichloroethene  | ND            |                  | 40.0        | 37.44     |              | ug/L |   | 94   | 54 - 142     |
| trans-1,3-Dichloropropene | ND            |                  | 40.0        | 34.49     |              | ug/L |   | 86   | 66 - 146     |
| tert-Butylbenzene         | ND            |                  | 40.0        | 34.38     |              | ug/L |   | 86   | 56 - 148     |
| Tetrachloroethene         | 1.2           | J                | 40.0        | 40.24     |              | ug/L |   | 98   | 52 - 156     |
| Toluene                   | ND            |                  | 40.0        | 37.79     |              | ug/L |   | 94   | 62 - 145     |
| Trichloroethene           | 79            |                  | 40.0        | 110.6     |              | ug/L |   | 78   | 35 - 163     |
| Trichlorofluoromethane    | ND            |                  | 40.0        | 37.03     |              | ug/L |   | 93   | 75 - 151     |
| Vinyl acetate             | ND            |                  | 40.0        | 31.19     |              | ug/L |   | 78   | 61 - 170     |
| Vinyl chloride            | ND            |                  | 40.0        | 37.70     |              | ug/L |   | 94   | 75 - 139     |

| Surrogate                    | MS %Recovery | MS Qualifier | Limits   |
|------------------------------|--------------|--------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 90           |              | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 99           |              | 71 - 120 |
| Dibromofluoromethane         | 97           |              | 80 - 120 |
| Toluene-d8 (Surr)            | 99           |              | 80 - 120 |

Lab Sample ID: 570-76016-13 MSD

Matrix: Water

Analysis Batch: 197000

Client Sample ID: HEW-04

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane             | ND            |                  | 40.0        | 37.69      |               | ug/L |   | 94   | 57 - 157     | 2   | 20        |
| 1,1,1-Trichloroethane                 | ND            |                  | 40.0        | 39.11      |               | ug/L |   | 98   | 54 - 152     | 3   | 26        |
| 1,1,2,2-Tetrachloroethane             | ND            |                  | 40.0        | 36.19      |               | ug/L |   | 90   | 67 - 143     | 3   | 20        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |                  | 40.0        | 34.77      |               | ug/L |   | 87   | 35 - 132     | 5   | 36        |
| 1,1,2-Trichloroethane                 | ND            |                  | 40.0        | 36.94      |               | ug/L |   | 92   | 70 - 138     | 3   | 20        |
| 1,1-Dichloroethane                    | ND            |                  | 40.0        | 37.63      |               | ug/L |   | 94   | 57 - 140     | 0   | 22        |
| 1,1-Dichloroethene                    | ND            |                  | 40.0        | 39.21      |               | ug/L |   | 98   | 48 - 146     | 3   | 28        |
| 1,1-Dichloropropene                   | ND            |                  | 40.0        | 38.51      |               | ug/L |   | 96   | 56 - 144     | 4   | 27        |
| 1,2,3-Trichlorobenzene                | ND            |                  | 40.0        | 35.83      |               | ug/L |   | 90   | 66 - 146     | 6   | 24        |
| 1,2,3-Trichloropropane                | ND            |                  | 40.0        | 35.50      |               | ug/L |   | 89   | 66 - 139     | 4   | 20        |
| 1,2,4-Trichlorobenzene                | ND            |                  | 40.0        | 37.07      |               | ug/L |   | 93   | 64 - 146     | 8   | 25        |
| 1,2,4-Trimethylbenzene                | ND            |                  | 40.0        | 35.11      |               | ug/L |   | 88   | 52 - 156     | 4   | 24        |
| 1,2-Dibromo-3-Chloropropane           | ND            |                  | 40.0        | 31.96      |               | ug/L |   | 80   | 57 - 145     | 6   | 21        |
| 1,2-Dibromoethane                     | ND            |                  | 40.0        | 36.38      |               | ug/L |   | 91   | 69 - 139     | 1   | 20        |
| 1,2-Dichlorobenzene                   | ND            |                  | 40.0        | 37.67      |               | ug/L |   | 94   | 63 - 146     | 5   | 20        |
| 1,2-Dichloroethane                    | ND            |                  | 40.0        | 37.09      |               | ug/L |   | 93   | 63 - 151     | 3   | 20        |
| 1,2-Dichloropropane                   | ND            |                  | 40.0        | 37.73      |               | ug/L |   | 94   | 65 - 143     | 4   | 20        |
| 1,3,5-Trimethylbenzene                | ND            |                  | 40.0        | 35.22      |               | ug/L |   | 88   | 58 - 158     | 3   | 26        |
| 1,3-Dichlorobenzene                   | ND            |                  | 40.0        | 37.70      |               | ug/L |   | 94   | 61 - 145     | 5   | 22        |
| 1,3-Dichloropropane                   | ND            |                  | 40.0        | 36.86      |               | ug/L |   | 92   | 70 - 137     | 4   | 20        |
| 1,4-Dichlorobenzene                   | ND            |                  | 40.0        | 36.19      |               | ug/L |   | 90   | 61 - 141     | 4   | 22        |
| 2,2-Dichloropropane                   | ND            |                  | 40.0        | 35.67      |               | ug/L |   | 89   | 56 - 148     | 0   | 26        |
| 2-Butanone                            | ND            |                  | 40.0        | 28.74      |               | ug/L |   | 72   | 48 - 141     | 7   | 26        |
| 2-Chlorotoluene                       | ND            |                  | 40.0        | 37.56      |               | ug/L |   | 94   | 58 - 145     | 3   | 25        |
| 2-Hexanone                            | ND            |                  | 40.0        | 31.79      |               | ug/L |   | 79   | 61 - 139     | 4   | 21        |
| 4-Chlorotoluene                       | ND            |                  | 40.0        | 36.53      |               | ug/L |   | 91   | 59 - 144     | 2   | 24        |
| 4-Methyl-2-pentanone                  | ND            |                  | 40.0        | 29.52      |               | ug/L |   | 74   | 63 - 139     | 6   | 20        |

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# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-76016-13 MSD

Matrix: Water

Analysis Batch: 197000

Client Sample ID: HEW-04

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Acetone                     | ND            |                  | 40.0        | 31.44      | J             | ug/L |   | 79   | 49 - 130     | 13  | 26        |
| Benzene                     | ND            |                  | 40.0        | 38.64      |               | ug/L |   | 97   | 61 - 143     | 3   | 20        |
| Bromobenzene                | ND            |                  | 40.0        | 38.64      |               | ug/L |   | 97   | 64 - 146     | 3   | 20        |
| Bromochloromethane          | ND            |                  | 40.0        | 37.67      |               | ug/L |   | 94   | 65 - 140     | 2   | 20        |
| Bromodichloromethane        | ND            |                  | 40.0        | 38.62      |               | ug/L |   | 97   | 61 - 158     | 4   | 20        |
| Bromoform                   | ND            |                  | 40.0        | 36.81      |               | ug/L |   | 92   | 48 - 168     | 7   | 20        |
| Bromomethane                | ND            |                  | 40.0        | 37.52      |               | ug/L |   | 94   | 58 - 175     | 4   | 22        |
| cis-1,2-Dichloroethene      | ND            |                  | 40.0        | 39.79      |               | ug/L |   | 99   | 53 - 156     | 2   | 20        |
| cis-1,3-Dichloropropene     | ND            |                  | 40.0        | 35.45      |               | ug/L |   | 89   | 65 - 142     | 3   | 20        |
| Carbon disulfide            | ND            |                  | 40.0        | 37.60      |               | ug/L |   | 94   | 48 - 149     | 2   | 25        |
| Carbon tetrachloride        | ND            |                  | 40.0        | 35.76      |               | ug/L |   | 89   | 46 - 167     | 4   | 29        |
| Chlorobenzene               | ND            |                  | 40.0        | 37.85      |               | ug/L |   | 95   | 62 - 143     | 2   | 20        |
| Chloroethane                | ND            |                  | 40.0        | 35.15      |               | ug/L |   | 88   | 65 - 162     | 4   | 20        |
| Chloroform                  | ND            |                  | 40.0        | 38.44      |               | ug/L |   | 96   | 62 - 145     | 2   | 20        |
| Chloromethane               | ND            |                  | 40.0        | 32.64      |               | ug/L |   | 82   | 21 - 171     | 4   | 20        |
| Dibromochloromethane        | ND            |                  | 40.0        | 38.99      |               | ug/L |   | 97   | 56 - 156     | 3   | 20        |
| Dibromomethane              | ND            |                  | 40.0        | 37.56      |               | ug/L |   | 94   | 69 - 142     | 1   | 20        |
| Dichlorodifluoromethane     | ND            |                  | 40.0        | 26.22      |               | ug/L |   | 66   | 38 - 159     | 1   | 21        |
| Ethylbenzene                | ND            |                  | 40.0        | 38.64      |               | ug/L |   | 97   | 59 - 145     | 2   | 23        |
| Isopropylbenzene            | ND            |                  | 40.0        | 36.21      |               | ug/L |   | 91   | 61 - 149     | 2   | 28        |
| Methylene Chloride          | ND            |                  | 40.0        | 36.37      |               | ug/L |   | 91   | 57 - 131     | 1   | 21        |
| Methyl-t-Butyl Ether (MTBE) | ND            |                  | 40.0        | 34.53      |               | ug/L |   | 86   | 62 - 125     | 5   | 20        |
| Naphthalene                 | ND            |                  | 40.0        | 32.10      |               | ug/L |   | 80   | 54 - 148     | 9   | 22        |
| n-Butylbenzene              | ND            |                  | 40.0        | 34.34      |               | ug/L |   | 86   | 57 - 150     | 7   | 30        |
| N-Propylbenzene             | ND            |                  | 40.0        | 36.33      |               | ug/L |   | 91   | 60 - 149     | 3   | 29        |
| o-Xylene                    | ND            |                  | 40.0        | 39.02      |               | ug/L |   | 98   | 61 - 150     | 2   | 20        |
| m,p-Xylene                  | ND            |                  | 80.0        | 77.69      |               | ug/L |   | 97   | 61 - 150     | 2   | 23        |
| p-Isopropyltoluene          | ND            |                  | 40.0        | 35.13      |               | ug/L |   | 88   | 55 - 153     | 6   | 28        |
| sec-Butylbenzene            | ND            |                  | 40.0        | 35.23      |               | ug/L |   | 88   | 57 - 148     | 6   | 31        |
| Styrene                     | ND            |                  | 40.0        | 35.74      |               | ug/L |   | 89   | 53 - 146     | 2   | 22        |
| trans-1,2-Dichloroethene    | ND            |                  | 40.0        | 37.96      |               | ug/L |   | 95   | 54 - 142     | 1   | 25        |
| trans-1,3-Dichloropropene   | ND            |                  | 40.0        | 35.34      |               | ug/L |   | 88   | 66 - 146     | 2   | 20        |
| tert-Butylbenzene           | ND            |                  | 40.0        | 35.49      |               | ug/L |   | 89   | 56 - 148     | 3   | 28        |
| Tetrachloroethene           | 1.2           | J                | 40.0        | 41.26      |               | ug/L |   | 100  | 52 - 156     | 2   | 26        |
| Toluene                     | ND            |                  | 40.0        | 38.09      |               | ug/L |   | 95   | 62 - 145     | 1   | 21        |
| Trichloroethene             | 79            |                  | 40.0        | 112.3      |               | ug/L |   | 82   | 35 - 163     | 1   | 21        |
| Trichlorofluoromethane      | ND            |                  | 40.0        | 35.40      |               | ug/L |   | 89   | 75 - 151     | 5   | 20        |
| Vinyl acetate               | ND            |                  | 40.0        | 34.34      |               | ug/L |   | 86   | 61 - 170     | 10  | 27        |
| Vinyl chloride              | ND            |                  | 40.0        | 37.86      |               | ug/L |   | 95   | 75 - 139     | 0   | 20        |

| Surrogate                    | MSD %Recovery | MSD Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 91            |               | 68 - 135 |
| 4-Bromofluorobenzene (Surr)  | 100           |               | 71 - 120 |
| Dibromofluoromethane         | 95            |               | 80 - 120 |
| Toluene-d8 (Surr)            | 99            |               | 80 - 120 |

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 570-196260/1-A

Matrix: Water

Analysis Batch: 197150

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 196260

| Analyte          | MB Result | MB Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|--------------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND        |              | 0.50     | 0.34 | ug/L |   | 11/23/21 08:44 | 11/29/21 12:08 | 1       |
| Isotope Dilution | %Recovery | MB Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 59        |              | 21 - 120 |      |      |   | 11/23/21 08:44 | 11/29/21 12:08 | 1       |
| Surrogate        | %Recovery | MB Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Nitrobenzene-d5  | 83        |              | 58 - 135 |      |      |   | 11/23/21 08:44 | 11/29/21 12:08 | 1       |

Lab Sample ID: LCS 570-196260/2-A

Matrix: Water

Analysis Batch: 197150

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 196260

| Analyte          | Spike Added | LCS Result    | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |  |
|------------------|-------------|---------------|---------------|------|---|------|--------------|--|
| 1,4-Dioxane      | 20.0        | 19.13         |               | ug/L |   | 96   | 63 - 144     |  |
| Isotope Dilution | %Recovery   | LCS Qualifier | Limits        |      |   |      |              |  |
| 1,4-Dioxane-d8   | 56          |               | 21 - 120      |      |   |      |              |  |
| Surrogate        | %Recovery   | LCS Qualifier | Limits        |      |   |      |              |  |
| Nitrobenzene-d5  | 77          |               | 58 - 135      |      |   |      |              |  |

Lab Sample ID: LCSD 570-196260/3-A

Matrix: Water

Analysis Batch: 197150

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 196260

| Analyte          | Spike Added | LCSD Result    | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|------------------|-------------|----------------|----------------|------|---|------|--------------|-----|-----------|
| 1,4-Dioxane      | 20.0        | 18.68          |                | ug/L |   | 93   | 63 - 144     | 2   | 20        |
| Isotope Dilution | %Recovery   | LCSD Qualifier | Limits         |      |   |      |              |     |           |
| 1,4-Dioxane-d8   | 70          |                | 21 - 120       |      |   |      |              |     |           |
| Surrogate        | %Recovery   | LCSD Qualifier | Limits         |      |   |      |              |     |           |
| Nitrobenzene-d5  | 80          |                | 58 - 135       |      |   |      |              |     |           |

Lab Sample ID: 570-76016-13 MS

Matrix: Water

Analysis Batch: 197150

Client Sample ID: HEW-04

Prep Type: Total/NA

Prep Batch: 196260

| Analyte          | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |  |
|------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|--|
| 1,4-Dioxane      | 5.2           |                  | 20.0        | 22.78     |              | ug/L |   | 88   | 48 - 164     |  |
| Isotope Dilution | %Recovery     | MS Qualifier     | Limits      |           |              |      |   |      |              |  |
| 1,4-Dioxane-d8   | 65            |                  | 21 - 120    |           |              |      |   |      |              |  |
| Surrogate        | %Recovery     | MS Qualifier     | Limits      |           |              |      |   |      |              |  |
| Nitrobenzene-d5  | 85            |                  | 58 - 135    |           |              |      |   |      |              |  |

Eurofins Calscience LLC

# QC Sample Results

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## Method: 8270C SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Lab Sample ID: 570-76016-13 MSD

Matrix: Water

Analysis Batch: 197150

Client Sample ID: HEW-04

Prep Type: Total/NA

Prep Batch: 196260

| Analyte          | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| 1,4-Dioxane      | 5.2           |                  | 20.0        | 22.91      |               | ug/L |   | 89   | 48 - 164     | 1   | 20        |
| MSD MSD          |               |                  |             |            |               |      |   |      |              |     |           |
| Isotope Dilution | %Recovery     | Qualifier        | Limits      |            |               |      |   |      |              |     |           |
| 1,4-Dioxane-d8   | 64            |                  | 21 - 120    |            |               |      |   |      |              |     |           |
| MSD MSD          |               |                  |             |            |               |      |   |      |              |     |           |
| Surrogate        | %Recovery     | Qualifier        | Limits      |            |               |      |   |      |              |     |           |
| Nitrobenzene-d5  | 79            |                  | 58 - 135    |            |               |      |   |      |              |     |           |

# QC Association Summary

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

## GC/MS VOA

### Analysis Batch: 197000

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 570-76016-1       | UAX-03                 | Total/NA  | Water  | 8260B  |            |
| 570-76016-2       | TB-111621              | Total/NA  | Water  | 8260B  |            |
| 570-76016-3       | RB-111621              | Total/NA  | Water  | 8260B  |            |
| 570-76016-4       | HEW-0300               | Total/NA  | Water  | 8260B  |            |
| 570-76016-5       | LAX-01                 | Total/NA  | Water  | 8260B  |            |
| 570-76016-6       | LAX-02                 | Total/NA  | Water  | 8260B  |            |
| 570-76016-7       | LAX-03                 | Total/NA  | Water  | 8260B  |            |
| 570-76016-8       | UAX-01                 | Total/NA  | Water  | 8260B  |            |
| 570-76016-9       | UAX-02                 | Total/NA  | Water  | 8260B  |            |
| 570-76016-10      | HEW-01                 | Total/NA  | Water  | 8260B  |            |
| 570-76016-11      | HEW-02                 | Total/NA  | Water  | 8260B  |            |
| 570-76016-12      | HEW-03                 | Total/NA  | Water  | 8260B  |            |
| 570-76016-13      | HEW-04                 | Total/NA  | Water  | 8260B  |            |
| 570-76016-14      | HEW-05                 | Total/NA  | Water  | 8260B  |            |
| MB 570-197000/6   | Method Blank           | Total/NA  | Water  | 8260B  |            |
| LCS 570-197000/3  | Lab Control Sample     | Total/NA  | Water  | 8260B  |            |
| LCSD 570-197000/4 | Lab Control Sample Dup | Total/NA  | Water  | 8260B  |            |
| 570-76016-13 MS   | HEW-04                 | Total/NA  | Water  | 8260B  |            |
| 570-76016-13 MSD  | HEW-04                 | Total/NA  | Water  | 8260B  |            |

## GC/MS Semi VOA

### Prep Batch: 196260

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 570-76016-1         | UAX-03                 | Total/NA  | Water  | 3510C  |            |
| 570-76016-4         | HEW-0300               | Total/NA  | Water  | 3510C  |            |
| 570-76016-5         | LAX-01                 | Total/NA  | Water  | 3510C  |            |
| 570-76016-6         | LAX-02                 | Total/NA  | Water  | 3510C  |            |
| 570-76016-7         | LAX-03                 | Total/NA  | Water  | 3510C  |            |
| 570-76016-8         | UAX-01                 | Total/NA  | Water  | 3510C  |            |
| 570-76016-9         | UAX-02                 | Total/NA  | Water  | 3510C  |            |
| 570-76016-10        | HEW-01                 | Total/NA  | Water  | 3510C  |            |
| 570-76016-11        | HEW-02                 | Total/NA  | Water  | 3510C  |            |
| 570-76016-12        | HEW-03                 | Total/NA  | Water  | 3510C  |            |
| 570-76016-13        | HEW-04                 | Total/NA  | Water  | 3510C  |            |
| 570-76016-14        | HEW-05                 | Total/NA  | Water  | 3510C  |            |
| MB 570-196260/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |
| LCS 570-196260/2-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 570-196260/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |
| 570-76016-13 MS     | HEW-04                 | Total/NA  | Water  | 3510C  |            |
| 570-76016-13 MSD    | HEW-04                 | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 197150

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 570-76016-1   | UAX-03           | Total/NA  | Water  | 8270C SIM ID | 196260     |
| 570-76016-4   | HEW-0300         | Total/NA  | Water  | 8270C SIM ID | 196260     |
| 570-76016-5   | LAX-01           | Total/NA  | Water  | 8270C SIM ID | 196260     |
| 570-76016-6   | LAX-02           | Total/NA  | Water  | 8270C SIM ID | 196260     |
| 570-76016-7   | LAX-03           | Total/NA  | Water  | 8270C SIM ID | 196260     |
| 570-76016-8   | UAX-01           | Total/NA  | Water  | 8270C SIM ID | 196260     |
| 570-76016-9   | UAX-02           | Total/NA  | Water  | 8270C SIM ID | 196260     |

Eurofins Calscience LLC

## QC Association Summary

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

### GC/MS Semi VOA (Continued)

#### Analysis Batch: 197150 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method       | Prep Batch |
|---------------------|------------------------|-----------|--------|--------------|------------|
| 570-76016-10        | HEW-01                 | Total/NA  | Water  | 8270C SIM ID | 196260     |
| 570-76016-11        | HEW-02                 | Total/NA  | Water  | 8270C SIM ID | 196260     |
| 570-76016-12        | HEW-03                 | Total/NA  | Water  | 8270C SIM ID | 196260     |
| 570-76016-13        | HEW-04                 | Total/NA  | Water  | 8270C SIM ID | 196260     |
| 570-76016-14        | HEW-05                 | Total/NA  | Water  | 8270C SIM ID | 196260     |
| MB 570-196260/1-A   | Method Blank           | Total/NA  | Water  | 8270C SIM ID | 196260     |
| LCS 570-196260/2-A  | Lab Control Sample     | Total/NA  | Water  | 8270C SIM ID | 196260     |
| LCSD 570-196260/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8270C SIM ID | 196260     |
| 570-76016-13 MS     | HEW-04                 | Total/NA  | Water  | 8270C SIM ID | 196260     |
| 570-76016-13 MSD    | HEW-04                 | Total/NA  | Water  | 8270C SIM ID | 196260     |

# Lab Chronicle

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

**Client Sample ID: UAX-03**

**Date Collected: 11/16/21 08:40**

**Date Received: 11/16/21 17:14**

**Lab Sample ID: 570-76016-1**

**Matrix: Water**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 197000       | 11/27/21 15:17       | A1W     | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 3510C        |     |            | 100 mL         | 10 mL        | 196260       | 11/23/21 08:44       | PQS1    | ECL 1 |
| Total/NA              | Analysis   | 8270C SIM ID |     | 1          |                |              | 197150       | 11/29/21 13:44       | AJ2Q    | ECL 1 |
| Instrument ID: GCMS99 |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: TB-111621**

**Date Collected: 11/16/21 08:00**

**Date Received: 11/16/21 17:14**

**Lab Sample ID: 570-76016-2**

**Matrix: Water**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 197000       | 11/27/21 14:02       | A1W     | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: RB-111621**

**Date Collected: 11/16/21 10:00**

**Date Received: 11/16/21 17:14**

**Lab Sample ID: 570-76016-3**

**Matrix: Water**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 197000       | 11/27/21 15:42       | A1W     | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: HEW-0300**

**Date Collected: 11/16/21 12:35**

**Date Received: 11/16/21 17:14**

**Lab Sample ID: 570-76016-4**

**Matrix: Water**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 4          | 20 mL          | 20 mL        | 197000       | 11/27/21 16:07       | A1W     | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 3510C        |     |            | 100 mL         | 10 mL        | 196260       | 11/23/21 08:44       | PQS1    | ECL 1 |
| Total/NA              | Analysis   | 8270C SIM ID |     | 1          |                |              | 197150       | 11/29/21 14:00       | AJ2Q    | ECL 1 |
| Instrument ID: GCMS99 |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: LAX-01**

**Date Collected: 11/16/21 09:50**

**Date Received: 11/16/21 17:14**

**Lab Sample ID: 570-76016-5**

**Matrix: Water**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 197000       | 11/27/21 16:32       | A1W     | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 3510C        |     |            | 100 mL         | 10 mL        | 196260       | 11/23/21 08:44       | PQS1    | ECL 1 |
| Total/NA              | Analysis   | 8270C SIM ID |     | 1          |                |              | 197150       | 11/29/21 14:32       | AJ2Q    | ECL 1 |
| Instrument ID: GCMS99 |            |              |     |            |                |              |              |                      |         |       |

# Lab Chronicle

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

**Client Sample ID: LAX-02**

**Date Collected: 11/16/21 10:15**

**Date Received: 11/16/21 17:14**

**Lab Sample ID: 570-76016-6**

**Matrix: Water**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 197000       | 11/27/21 16:57       | A1W     | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 3510C        |     |            | 100 mL         | 10 mL        | 196260       | 11/23/21 08:44       | PQS1    | ECL 1 |
| Total/NA              | Analysis   | 8270C SIM ID |     | 1          |                |              | 197150       | 11/29/21 14:48       | AJ2Q    | ECL 1 |
| Instrument ID: GCMS99 |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: LAX-03**

**Date Collected: 11/16/21 11:20**

**Date Received: 11/16/21 17:14**

**Lab Sample ID: 570-76016-7**

**Matrix: Water**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 197000       | 11/27/21 17:22       | A1W     | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 3510C        |     |            | 100 mL         | 10 mL        | 196260       | 11/23/21 08:44       | PQS1    | ECL 1 |
| Total/NA              | Analysis   | 8270C SIM ID |     | 1          |                |              | 197150       | 11/29/21 15:05       | AJ2Q    | ECL 1 |
| Instrument ID: GCMS99 |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UAX-01**

**Date Collected: 11/16/21 12:15**

**Date Received: 11/16/21 17:14**

**Lab Sample ID: 570-76016-8**

**Matrix: Water**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 197000       | 11/27/21 17:48       | A1W     | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 3510C        |     |            | 100 mL         | 10 mL        | 196260       | 11/23/21 08:44       | PQS1    | ECL 1 |
| Total/NA              | Analysis   | 8270C SIM ID |     | 1          |                |              | 197150       | 11/29/21 15:21       | AJ2Q    | ECL 1 |
| Instrument ID: GCMS99 |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: UAX-02**

**Date Collected: 11/16/21 11:35**

**Date Received: 11/16/21 17:14**

**Lab Sample ID: 570-76016-9**

**Matrix: Water**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 197000       | 11/27/21 18:13       | A1W     | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 3510C        |     |            | 100 mL         | 10 mL        | 196260       | 11/23/21 08:44       | PQS1    | ECL 1 |
| Total/NA              | Analysis   | 8270C SIM ID |     | 1          |                |              | 197150       | 11/29/21 15:37       | AJ2Q    | ECL 1 |
| Instrument ID: GCMS99 |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: HEW-01**

**Date Collected: 11/16/21 12:05**

**Date Received: 11/16/21 17:14**

**Lab Sample ID: 570-76016-10**

**Matrix: Water**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 10         | 20 mL          | 20 mL        | 197000       | 11/27/21 18:38       | A1W     | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |

Eurofins Calscience LLC

# Lab Chronicle

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

**Client Sample ID: HEW-01**

**Lab Sample ID: 570-76016-10**

**Date Collected: 11/16/21 12:05**

**Matrix: Water**

**Date Received: 11/16/21 17:14**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Prep       | 3510C        |     |            | 100 mL         | 10 mL        | 196260       | 11/23/21 08:44       | PQS1    | ECL 1 |
| Total/NA              | Analysis   | 8270C SIM ID |     | 1          |                |              | 197150       | 11/29/21 15:53       | AJ2Q    | ECL 1 |
| Instrument ID: GCMS99 |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: HEW-02**

**Lab Sample ID: 570-76016-11**

**Date Collected: 11/16/21 14:10**

**Matrix: Water**

**Date Received: 11/16/21 17:14**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 1          | 20 mL          | 20 mL        | 197000       | 11/27/21 19:03       | A1W     | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 3510C        |     |            | 100 mL         | 10 mL        | 196260       | 11/23/21 08:44       | PQS1    | ECL 1 |
| Total/NA              | Analysis   | 8270C SIM ID |     | 1          |                |              | 197150       | 11/29/21 16:09       | AJ2Q    | ECL 1 |
| Instrument ID: GCMS99 |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: HEW-03**

**Lab Sample ID: 570-76016-12**

**Date Collected: 11/16/21 11:50**

**Matrix: Water**

**Date Received: 11/16/21 17:14**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 4          | 20 mL          | 20 mL        | 197000       | 11/27/21 19:28       | A1W     | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 3510C        |     |            | 100 mL         | 10 mL        | 196260       | 11/23/21 08:44       | PQS1    | ECL 1 |
| Total/NA              | Analysis   | 8270C SIM ID |     | 1          |                |              | 197150       | 11/29/21 16:25       | AJ2Q    | ECL 1 |
| Instrument ID: GCMS99 |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: HEW-04**

**Lab Sample ID: 570-76016-13**

**Date Collected: 11/16/21 08:20**

**Matrix: Water**

**Date Received: 11/16/21 17:14**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 4          | 20 mL          | 20 mL        | 197000       | 11/27/21 19:53       | A1W     | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 3510C        |     |            | 100 mL         | 10 mL        | 196260       | 11/23/21 08:44       | PQS1    | ECL 1 |
| Total/NA              | Analysis   | 8270C SIM ID |     | 1          |                |              | 197150       | 11/29/21 13:28       | AJ2Q    | ECL 1 |
| Instrument ID: GCMS99 |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: HEW-05**

**Lab Sample ID: 570-76016-14**

**Date Collected: 11/16/21 13:30**

**Matrix: Water**

**Date Received: 11/16/21 17:14**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Analysis   | 8260B        |     | 2          | 20 mL          | 20 mL        | 197000       | 11/27/21 20:18       | A1W     | ECL 2 |
| Instrument ID: GCMSVV |            |              |     |            |                |              |              |                      |         |       |



# Lab Chronicle

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

**Client Sample ID: HEW-05**

**Date Collected: 11/16/21 13:30**

**Date Received: 11/16/21 17:14**

**Lab Sample ID: 570-76016-14**

**Matrix: Water**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Prep       | 3510C        |     |            | 100 mL         | 10 mL        | 196260       | 11/23/21 08:44       | PQS1    | ECL 1 |
| Total/NA              | Analysis   | 8270C SIM ID |     | 1          |                |              | 197150       | 11/29/21 16:41       | AJ2Q    | ECL 1 |
| Instrument ID: GCMS99 |            |              |     |            |                |              |              |                      |         |       |

## Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

Laboratory: Eurofins Calscience LLC

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Oregon    | NELAP   | CA300001              | 01-30-22        |

- 1
- 2
- 3
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- 14
- 15
- 16

# Method Summary

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

| Method       | Method Description                                            | Protocol | Laboratory |
|--------------|---------------------------------------------------------------|----------|------------|
| 8260B        | Volatile Organic Compounds (GC/MS)                            | SW846    | ECL 2      |
| 8270C SIM ID | Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) | SW846    | ECL 1      |
| 3510C        | Liquid-Liquid Extraction (Separatory Funnel)                  | SW846    | ECL 1      |
| 5030C        | Purge and Trap                                                | SW846    | ECL 2      |

## Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

## Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

## Sample Summary

Client: Hargis + Associates, Inc.  
Project/Site: Raytheon Main/764.10

Job ID: 570-76016-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 570-76016-1   | UAX-03           | Water  | 11/16/21 08:40 | 11/16/21 17:14 |
| 570-76016-2   | TB-111621        | Water  | 11/16/21 08:00 | 11/16/21 17:14 |
| 570-76016-3   | RB-111621        | Water  | 11/16/21 10:00 | 11/16/21 17:14 |
| 570-76016-4   | HEW-0300         | Water  | 11/16/21 12:35 | 11/16/21 17:14 |
| 570-76016-5   | LAX-01           | Water  | 11/16/21 09:50 | 11/16/21 17:14 |
| 570-76016-6   | LAX-02           | Water  | 11/16/21 10:15 | 11/16/21 17:14 |
| 570-76016-7   | LAX-03           | Water  | 11/16/21 11:20 | 11/16/21 17:14 |
| 570-76016-8   | UAX-01           | Water  | 11/16/21 12:15 | 11/16/21 17:14 |
| 570-76016-9   | UAX-02           | Water  | 11/16/21 11:35 | 11/16/21 17:14 |
| 570-76016-10  | HEW-01           | Water  | 11/16/21 12:05 | 11/16/21 17:14 |
| 570-76016-11  | HEW-02           | Water  | 11/16/21 14:10 | 11/16/21 17:14 |
| 570-76016-12  | HEW-03           | Water  | 11/16/21 11:50 | 11/16/21 17:14 |
| 570-76016-13  | HEW-04           | Water  | 11/16/21 08:20 | 11/16/21 17:14 |
| 570-76016-14  | HEW-05           | Water  | 11/16/21 13:30 | 11/16/21 17:14 |

## Patel, Virendra

---

**From:** Andrew Donnelly <ADONNELLY@HARGIS.COM>  
**Sent:** Friday, November 19, 2021 10:43 AM  
**To:** Patel, Virendra  
**Cc:** Ryne Adams; DJ Sealee  
**Subject:** RE: Eurofins Calscience sample confirmation files from 570-76016-1 Raytheon Main/764.10

EXTERNAL EMAIL\*

Hi Virendra,

I noticed some information was missing on the COC that we submitted with our samples for this work order.

Please report J flag detections in this report.

I'd like to request COELT EDF files for Geotracker for this work order.

Global ID: T0605900143

Log Code: Harg

Field Point IDs:

- "QCTB" for sample "TB-111621"
- "QCRB" for sample "RB-111621"
- For all other samples, please use the sample name for the field point ID.

If it's preferred to send a revised COC in addition to this email, I can send one. Other than my comments above, the sample login form looks good.

Thank you,

Andrew Donnelly

Cell: 951.553.0689



---

**From:** Virendra Patel <Virendra.Patel@eurofinset.com>  
**Sent:** Wednesday, November 17, 2021 12:06 PM  
**To:** Andrew Donnelly <ADONNELLY@HARGIS.COM>; Amanda Janzon <AJanzon@HARGIS.COM>; DJ Sealee <DSealee@HARGIS.CO>; Monica Morales <MMorales@Hargis.com>; Ross Horton <RHorton@HARGIS.COM>; Ruben Sanchez <RSanchez@HARGIS.COM>; Steve Netto <SNETTO@HARGIS.COM>; Tony Rossi <TROSSI@HARGIS.COM>; Patel Virendra <Virendra.Patel@eurofinset.com>  
**Subject:** Eurofins Calscience sample confirmation files from 570-76016-1 Raytheon Main/764.10

**CAUTION:** This email originated from outside your organization. Do not click links, open attachments or follow instructions unless you have verified the sender and know the content is genuine and safe.

Hello,

Attached please find the sample confirmation files for job 570-76016-1; Raytheon Main/764.10

Please feel free to contact me if you have any questions.

Thank you.

**Virendra Patel**  
Project Manager

Eurofins Calscience LLC  
Phone: 714-895-5494 Ext: 218

E-mail: [Virendra.Patel@eurofinset.com](mailto:Virendra.Patel@eurofinset.com)  
[www.eurofinsus.com/env](http://www.eurofinsus.com/env)



Reference: [570-261775]  
Attachments: 2

> > Bank information has changed, please refer to remittance information on invoice. < <

\* WARNING - EXTERNAL: This email originated from outside of Eurofins Environment Testing America. Do not click any links or open any attachments unless you trust the sender and know that the content is safe!





Calscience

# CHAIN OF CUSTODY RECORD

DATE: 11/16/21

PAGE: 2 OF 3

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|                                                                                                                                                                                                                                                                                       |           |                                                                |      |                                     |              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------------------------------------|------|-------------------------------------|--------------|
| LABORATORY CLIENT:<br><b>Hargis + Associates</b>                                                                                                                                                                                                                                      |           | CLIENT PROJECT NAME / NUMBER:<br><b>Raytheon Main / R64.10</b> |      | P.O. NO.<br><b>764.10</b>           |              |
| ADDRESS:<br><b>9171 Towne Centre Dr #375</b>                                                                                                                                                                                                                                          |           | PROJECT CONTACT:<br><b>Steve Nette snette@hargis.com</b>       |      | SAMPLER(S) (PRINT)<br><b>764.10</b> |              |
| CITY:<br><b>San Diego</b>                                                                                                                                                                                                                                                             |           | STATE:<br><b>CA</b>                                            |      | ZIP:<br><b>92122</b>                |              |
| TEL:<br><b>858-455-8800</b>                                                                                                                                                                                                                                                           |           | E-MAIL:<br><b>snette@hargis.com</b>                            |      |                                     |              |
| TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):<br><input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 5 DAYS <input type="checkbox"/> STANDARD |           |                                                                |      |                                     |              |
| <input type="checkbox"/> COELT EDF                                                                                                                                                                                                                                                    |           | GLOBAL ID:                                                     |      | LOG CODE:                           |              |
| SPECIAL INSTRUCTIONS:<br><b>ECI #57001317<br/>Attn: Vinodra Patel<br/>2440 Lincoln Way<br/>Garden Grove, CA, 92641<br/>714-895-5494</b>                                                                                                                                               |           |                                                                |      |                                     |              |
| LAB USE ONLY                                                                                                                                                                                                                                                                          | SAMPLE ID | SAMPLING<br>DATE<br>TIME                                       |      | MATRIX                              | NO. OF CONT. |
| 5                                                                                                                                                                                                                                                                                     | LAX-01    | 11/16/21                                                       | 0950 | G                                   | 3            |
|                                                                                                                                                                                                                                                                                       | ↓         |                                                                | 0950 | G                                   | 1            |
| 6                                                                                                                                                                                                                                                                                     | LAX-02    |                                                                | 1015 | G                                   | 3            |
|                                                                                                                                                                                                                                                                                       | ↓         |                                                                | 1015 | G                                   | 1            |
| 7                                                                                                                                                                                                                                                                                     | LAX-03    |                                                                | 1120 | G                                   | 3            |
|                                                                                                                                                                                                                                                                                       | ↓         |                                                                | 1120 | G                                   | 1            |
| 8                                                                                                                                                                                                                                                                                     | UAX-01    |                                                                | 1215 | G                                   | 3            |
|                                                                                                                                                                                                                                                                                       | ↓         |                                                                | 1215 | G                                   | 1            |
| 9                                                                                                                                                                                                                                                                                     | UAX-02    |                                                                | 1135 | G                                   | 3            |
|                                                                                                                                                                                                                                                                                       | ↓         |                                                                | 1135 | G                                   | 1            |
| Relinquished by (Signature)<br><i>[Signature]</i>                                                                                                                                                                                                                                     |           | Received by (Signature/Affiliation)<br><i>[Signature]</i> ECI  |      | Date: 11/16/21 Time: 10:19          |              |
| Relinquished by (Signature)<br><i>[Signature]</i>                                                                                                                                                                                                                                     |           | Received by (Signature/Affiliation)<br><i>[Signature]</i> ECI  |      | Date: 11-16-2021 Time: 17:14        |              |
| Relinquished by (Signature)<br><i>[Signature]</i>                                                                                                                                                                                                                                     |           | Received by (Signature/Affiliation)<br><i>[Signature]</i> ECI  |      | Date: Time:                         |              |

|                                                                                               |                                                                                                           |                                                                                                                            |                              |                                                                                            |                                      |                                            |                                                                                                           |                                       |                                            |
|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------|
| REQUESTED ANALYSES                                                                            |                                                                                                           |                                                                                                                            |                              |                                                                                            |                                      |                                            |                                                                                                           |                                       |                                            |
| Please check box or fill in blank as needed                                                   |                                                                                                           |                                                                                                                            |                              |                                                                                            |                                      |                                            |                                                                                                           |                                       |                                            |
| <input type="checkbox"/> TPH(g) <input type="checkbox"/> GRO                                  | <input type="checkbox"/> TPH(g) <input type="checkbox"/> DRO                                              | <input type="checkbox"/> TPH <input type="checkbox"/> C6-C36 <input type="checkbox"/> C8-C44                               | <input type="checkbox"/> TPB | <input type="checkbox"/> BTX / MTBE <input type="checkbox"/> 8260 <input type="checkbox"/> | <input type="checkbox"/> VOCs (8260) | <input type="checkbox"/> Oxygenates (8260) | <input type="checkbox"/> Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core | <input type="checkbox"/> SVOCs (8270) | <input type="checkbox"/> Pesticides (8081) |
| <input type="checkbox"/> PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM | <input type="checkbox"/> T22 Metals <input type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X | <input type="checkbox"/> Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218 6 | <i>1,4 Dioxane 8270C Mtd</i> |                                                                                            |                                      |                                            |                                                                                                           |                                       |                                            |





Calscience

CHAIN OF CUSTODY RECORD

DATE: 11/16/21

PAGE: 3 OF 3

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| LABORATORY CLIENT:                                                                                                                                                                                          |           | CLIENT PROJECT NAME / NUMBER:       |      | P.O. NO.                                    |              |                |           |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------|------|---------------------------------------------|--------------|----------------|-----------|-------------|--------------------------------------|--------------------------------------|---------------------------------------------------------------------|-----|--------------------------------------------------------------------|-------------|-------------------|----------------------------------------------------------------------------------|--------------|-------------------|-------------|----------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------|-----------------|--|--|--|
| Hargis Associates                                                                                                                                                                                           |           | Raytheon Marin / 764.10             |      | 764.10                                      |              |                |           |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| ADDRESS: 9171 Junee Circle Dr #375                                                                                                                                                                          |           | PROJECT CONTACT: Steve Netto        |      | SAMPLER(S) (PRINT): Ryne Adams              |              |                |           |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| CITY: San Diego                                                                                                                                                                                             |           | E-MAIL: snetto@hargis.com           |      | 764.10                                      |              |                |           |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| TEL: 858-455-6500                                                                                                                                                                                           |           | STATE: Ca                           |      | ZIP: 92122                                  |              |                |           |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):                                                                                                                                      |           | LOG CODE:                           |      | REQUESTED ANALYSES                          |              |                |           |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 5 DAYS <input type="checkbox"/> STANDARD |           | <input type="checkbox"/> COELT EDF  |      | Please check box or fill in blank as needed |              |                |           |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| GLOBAL ID:                                                                                                                                                                                                  |           | LOG CODE:                           |      |                                             |              |                |           |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| SPECIAL INSTRUCTIONS:                                                                                                                                                                                       |           | LOG CODE:                           |      |                                             |              |                |           |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| ECI # 57001317                                                                                                                                                                                              |           | LOG CODE:                           |      |                                             |              |                |           |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| Attn: Vivendra Patel                                                                                                                                                                                        |           | LOG CODE:                           |      |                                             |              |                |           |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| 7440 Lincoln Way                                                                                                                                                                                            |           | LOG CODE:                           |      |                                             |              |                |           |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| Garden Grove, Ca, 92641                                                                                                                                                                                     |           | LOG CODE:                           |      |                                             |              |                |           |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| 714-895-5404                                                                                                                                                                                                |           | LOG CODE:                           |      |                                             |              |                |           |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| LAB USE ONLY                                                                                                                                                                                                | SAMPLE ID | DATE                                | TIME | MATRIX                                      | NO. OF CONT. | Field Filtered | Preserved | Unpreserved | TPH (g) <input type="checkbox"/> GRO | TPH (d) <input type="checkbox"/> DRO | TPH <input type="checkbox"/> C6-C36 <input type="checkbox"/> C6-C44 | TPH | BTEX / MTBE <input type="checkbox"/> 8260 <input type="checkbox"/> | VOCs (8260) | Oxygenates (8260) | Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core | SVOCs (8270) | Pesticides (8081) | PCBs (8082) | PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM | T22 Metals <input type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X | Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218 6 | 1,4 Dioxane 8270C Mod | MSM5D Requested |  |  |  |
| 10                                                                                                                                                                                                          | HEW-01    | 11/16/21                            | 1205 | G                                           | 3            |                | X         |             |                                      |                                      |                                                                     |     |                                                                    | 3           |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| 11                                                                                                                                                                                                          | HEW-02    |                                     | 1205 |                                             | 1            |                | X         |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| 12                                                                                                                                                                                                          | HEW-03    |                                     | 1410 |                                             | 3            |                | X         |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| 13                                                                                                                                                                                                          | HEW-04    |                                     | 1410 |                                             | 1            |                | X         |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| 14                                                                                                                                                                                                          | HEW-05    |                                     | 150  |                                             | 3            |                | X         |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| 15                                                                                                                                                                                                          | HEW-06    |                                     | 1150 |                                             | 1            |                | X         |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| 16                                                                                                                                                                                                          | HEW-07    |                                     | 0820 |                                             | 9            |                | X         |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| 17                                                                                                                                                                                                          | HEW-08    |                                     | 0820 |                                             | 13           |                | X         |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| 18                                                                                                                                                                                                          | HEW-09    |                                     | 1330 |                                             | 3            |                | X         |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| 19                                                                                                                                                                                                          | HEW-10    |                                     | 1330 |                                             | 1            |                | X         |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| Relinquished by (Signature)                                                                                                                                                                                 |           | Received by (Signature/Affiliation) |      | Date: 11/16/21                              |              | Time: 16H      |           |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| Relinquished by (Signature)                                                                                                                                                                                 |           | Received by (Signature/Affiliation) |      | Date: 11-16-2021                            |              | Time: 17:14    |           |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |
| Relinquished by (Signature)                                                                                                                                                                                 |           | Received by (Signature/Affiliation) |      | Date:                                       |              | Time:          |           |             |                                      |                                      |                                                                     |     |                                                                    |             |                   |                                                                                  |              |                   |             |                                                                      |                                                                                  |                                                                                                   |                       |                 |  |  |  |

## Login Sample Receipt Checklist

Client: Hargis + Associates, Inc.

Job Number: 570-76016-1

**Login Number: 76016**

**List Source: Eurofins Calscience LLC**

**List Number: 1**

**Creator: Cortez Diaz, Antonio**

| Question                                                                                     | Answer | Comment |
|----------------------------------------------------------------------------------------------|--------|---------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.          | 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   | 4.1     |
| 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 $<6\text{mm}$ ( $1/4"$ ). | True   |         |
| Multiphasic samples are not present.                                                         | True   |         |
| Samples do not require splitting or compositing.                                             | True   |         |
| Residual Chlorine Checked.                                                                   | N/A    |         |