



HARGIS + ASSOCIATES, INC.

HYDROGEOLOGY • ENGINEERING

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March 16, 2021

VIA EMAIL AND GEOTRACKER UPLOAD

Mr. Carl Bernhardt
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SANTA ANA REGION
3737 Main Street, Suite 500
Riverside, California 92501-3348

Re: 2020 Annual Groundwater Monitoring and Remediation System
Operation Results, Raytheon Company, Former Building 684, Fullerton, California

Dear Mr. Bernhardt:

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 2020 through December 2020 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 January, May, August, and November. The annual event was performed in August 2020 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 January, May, August, and November 2020 (Table 1). Figures 3 through 8 depict water level elevations obtained during annual monitoring conducted in August 2020. The August 2020 water levels are representative of groundwater conditions.

The Site hydrostratigraphic units have been previously described in detail (H+A, 2013). Shallow zone and Upper Unit A water level data obtained in August 2020 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 2020, 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 2020, 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 (H+A, 2013).

GROUNDWATER CHEMICAL QUALITY

All groundwater samples collected during monitoring activities conducted in 2020 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). 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, 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 2020 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 2020 have been prepared (Figures 9 through 18). Water quality hydrographs depicting the concentrations of TCE in extraction well groundwater samples obtained through November 2020 have been prepared (Figures 19 through 30). Comparisons of the historical concentrations of TCE with concentrations detected in August 2020 generally indicate stable or declining trends of TCE concentrations at the Site.

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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, 2020 through December 31, 2020, the groundwater remediation system treated approximately 84,351,733 gallons of water and removed approximately 2.0 gallons of TCE. TCE concentrations detected in groundwater samples collected from extraction wells are summarized in Figures 19 through 30. Through December 2020, the full-scale remediation system has treated approximately 1,793,029,135 gallons of water and removed approximately 118 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 31. 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.

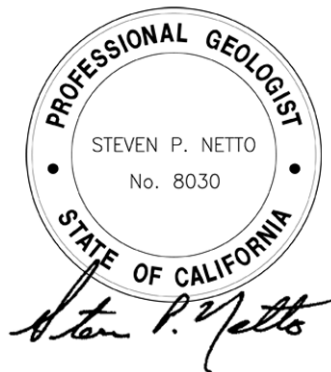
During the period January 1, 2020 through December 31, 2020, the SVE system removed approximately 4.2 pounds of total VOCs and approximately 4.0 pounds of TCE (Table 4; Figure 32). In addition, system influent, effluent, and midpoint field samples were collected weekly at the SVE System and analyzed 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 130, or snetto@hargis.com, with any questions or comments.

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Sincerely,

HARGIS + ASSOCIATES, INC



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

SPN/mlm

Enclosures: Tables 1 through 4
Figures 1 through 32
Appendix A – Laboratory Analytical Data

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



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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 IDENTIFIER	DATE MEASURED	MEASURING POINT ELEVATION (feet msl)	DEPTH TO WATER (feet bmp)	WATER LEVEL ELEVATION (feet msl)
Shallow Zone Water Table Monitor Wells				
S-02	01/20/20	100.91	52.57	48.34
S-02	05/19/20	100.91	51.27	49.64
S-02	08/24/20	100.91	50.34	50.57
S-02	11/11/20	100.91	50.14	50.77
S-03	01/20/20	101.60	54.56	47.04
S-03	05/19/20	101.60	53.20	48.40
S-03	08/24/20	101.60	52.12	49.48
S-03	11/11/20	101.60	52.07	49.53
S-04	01/20/20	100.95	54.18	46.77
S-04	05/19/20	100.95	52.22	48.73
S-04	08/24/20	100.95	51.45	49.50
S-04	11/11/20	100.95	51.61	49.34
S-05	01/20/20	98.92	DRY @ 46.91	--
S-05	05/19/20	98.92	45.08	53.84
S-05	08/24/20	98.92	44.00	54.92
S-05	11/11/20	98.92	43.92	55.00
S-07	01/20/20	99.48	48.65	50.83
S-07	05/19/20	99.48	47.60	51.88
S-07	08/24/20	99.48	46.64	52.84
S-07	11/11/20	99.48	46.54	52.94
S-08	01/20/20	95.52	49.66	45.86
S-08	05/19/20	95.52	48.28	47.24
S-08	08/24/20	95.52	48.90	46.62
S-08	11/11/20	95.52	47.30	48.22
S-18	01/20/20	98.79	48.41	50.38
S-18	05/19/20	98.79	46.99	51.80
S-18	08/24/20	98.79	46.09	52.70
S-18	11/11/20	98.79	46.14	52.65
S-21	01/20/20	95.81	35.42	60.39
S-21	05/19/20	95.81	32.92	62.89
S-21	08/24/20	95.81	32.09	63.72
S-21	11/11/20	95.81	31.80	64.01
S-32	01/20/20	101.17	54.35	46.82
S-32	05/19/20	101.17	52.71	48.46
S-32	08/24/20	101.17	51.70	49.47
S-32	11/11/20	101.17	51.76	49.41

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WELL IDENTIFIER	DATE MEASURED	MEASURING POINT ELEVATION (feet msl)	DEPTH TO WATER (feet bmp)	WATER LEVEL ELEVATION (feet msl)
Deeper Shallow Zone Monitor Wells				
S-14	01/20/20	96.96	46.06	50.90
S-14	05/19/20	96.96	44.48	52.48
S-14	08/24/20	96.96	43.73	53.23
S-14	11/11/20	96.96	43.93	53.03
S-15	01/20/20	95.76	41.23	54.53
S-15	05/19/20	95.76	39.97	55.79
S-15	08/24/20	95.76	39.06	56.70
S-15	11/11/20	95.76	37.09	58.67
S-24	01/20/20	95.66	41.35	54.31
S-24	05/19/20	95.66	39.63	56.03
S-24	08/24/20	95.66	38.72	56.94
S-24	11/11/20	95.66	38.68	56.98
S-26	01/20/20	97.68	40.83	56.85
S-26	05/19/20	97.68	39.31	58.37
S-26	08/24/20	97.68	38.71	58.97
S-26	11/11/20	97.68	38.90	58.78
S-27	01/20/20	119.98	73.90	46.08
S-27	05/19/20	119.98	71.96	48.02
S-27	08/24/20	119.98	71.45	48.53
S-27	11/11/20	119.98	72.06	47.92
S-29	01/20/20	91.42	36.08	55.34
S-29	05/19/20	91.42	34.17	57.25
S-29	08/24/20	91.42	33.60	57.82
S-29	11/11/20	91.42	33.99	57.43
S-30	01/20/20	95.00	39.58	55.42
S-30	05/19/20	95.00	37.65	57.35
S-30	08/24/20	95.00	37.10	57.90
S-30	11/11/20	95.00	37.65	57.35
S-31	01/20/20	94.31	39.92	54.39
S-31	05/19/20	94.31	37.98	56.33
S-31	08/24/20	94.31	37.24	57.07
S-31	11/11/20	94.31	37.40	56.91
SE-01	01/20/20	98.27	51.32	46.95
SE-01	05/19/20	98.27	49.65	48.62
SE-01	08/24/20	98.27	48.90	49.37
SE-01	11/11/20	98.27	49.18	49.09

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WELL IDENTIFIER	DATE MEASURED	MEASURING POINT ELEVATION (feet msl)	DEPTH TO WATER (feet bmp)	WATER LEVEL ELEVATION (feet msl)
Shallow Zone Extraction Wells				
SE-04	01/20/20	95.53	UTM	--
SE-04	05/19/20	95.53	38.30	57.23
SE-04	08/24/20	95.53	37.53	58.00
SE-04	11/11/20	95.53	37.66	57.87
Upper Unit A Monitor Wells				
UA-02	01/20/20	98.82	52.64	46.18
UA-02	05/19/20	98.82	50.11	48.71
UA-02	08/24/20	98.82	50.05	48.77
UA-02	11/11/20	98.82	51.37	47.45
UA-06	01/20/20	97.53	50.94	46.59
UA-06	05/19/20	97.53	48.45	49.08
UA-06	08/24/20	97.53	48.48	49.05
UA-06	11/11/20	97.53	49.79	47.74
UA-07	01/20/20	98.61	50.92	47.69
UA-07	05/19/20	98.61	48.50	50.11
UA-07	08/24/20	98.61	48.60	50.01
UA-07	11/11/20	98.61	49.93	48.68
UA-08	01/20/20	95.05	49.11	45.94
UA-08	05/19/20	95.05	46.57	48.48
UA-08	08/24/20	95.05	46.59	48.46
UA-08	11/11/20	95.05	47.87	47.18
UA-11	01/20/20	94.89	48.64	46.25
UA-11	05/19/20	94.89	46.13	48.76
UA-11	08/24/20	94.89	46.08	48.81
UA-11	11/11/20	94.89	47.44	47.45
UA-12	01/20/20	91.07	45.04	46.03
UA-12	05/19/20	91.07	42.57	48.50
UA-12	08/24/20	91.07	42.50	48.57
UA-12	11/11/20	91.07	43.80	47.27
Upper Unit A Extraction Wells				
UAX-01	01/20/20	97.45	62.04	35.41
UAX-01	05/19/20	97.45	59.69	37.76
UAX-01	08/24/20	97.45	57.61	39.84
UAX-01	11/11/20	97.45	61.01	36.44
UAX-02	01/20/20	97.08	84.20	12.88
UAX-02	05/19/20	97.08	81.35	15.73
UAX-02	08/24/20	97.08	79.58	17.50
UAX-02	11/11/20	97.08	84.49	12.59

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WELL IDENTIFIER	DATE MEASURED	MEASURING POINT ELEVATION (feet msl)	DEPTH TO WATER (feet bmp)	WATER LEVEL ELEVATION (feet msl)
Upper Unit A Extraction Wells (continued)				
UAX-03	01/20/20	92.63	76.01	16.62
UAX-03	05/19/20	92.63	74.01	18.62
UAX-03	08/24/20	92.63	71.75	20.88
UAX-03	11/11/20	92.63	77.00	15.63
Lower Unit A Monitor Wells				
UA-04D	01/20/20	100.31	53.05	47.26
UA-04D	05/19/20	100.31	50.51	49.80
UA-04D	08/24/20	100.31	50.45	49.86
UA-04D	11/11/20	100.31	51.75	48.56
UA-06D	01/20/20	97.45	49.52	47.93
UA-06D	05/19/20	97.45	47.14	50.31
UA-06D	08/24/20	97.45	47.15	50.30
UA-06D	11/11/20	97.45	48.50	48.95
UA-07D	01/20/20	99.46	49.82	49.64
UA-07D	05/19/20	99.46	47.40	52.06
UA-07D	08/24/20	99.46	47.61	51.85
UA-07D	11/11/20	99.46	49.00	50.46
UA-08D	01/20/20	94.86	47.92	46.94
UA-08D	05/19/20	94.86	45.39	49.47
UA-08D	08/24/20	94.86	45.86	49.00
UA-08D	11/11/20	94.86	46.83	48.03
UA-10D	01/20/20	93.89	45.52	48.37
UA-10D	05/19/20	93.89	43.10	50.79
UA-10D	08/24/20	93.89	43.57	50.32
UA-10D	11/11/20	93.89	44.89	49.00
UA-11D	01/20/20	94.35	46.88	47.47
UA-11D	05/19/20	94.35	44.40	49.95
UA-11D	08/24/20	94.35	44.70	49.65
UA-11D	11/11/20	94.35	46.00	48.35
UA-12D	01/20/20	90.57	44.01	46.56
UA-12D	05/19/20	90.57	41.48	49.09
UA-12D	08/24/20	90.57	41.61	48.96
UA-12D	11/11/20	90.57	42.90	47.67
UA-13D	01/20/20	91.28	42.71	48.57
UA-13D	05/19/20	91.28	40.20	51.08
UA-13D	08/24/20	91.28	40.95	50.33
UA-13D	11/11/20	91.28	42.11	49.17
UA-14D	01/20/20	91.08	43.63	47.45
UA-14D	05/19/20	91.08	41.22	49.86
UA-14D	08/24/20	91.08	41.65	49.43
UA-14D	11/11/20	91.08	42.94	48.14

TABLE 1
WATER LEVEL ELEVATION DATA

WELL IDENTIFIER	DATE MEASURED	MEASURING POINT ELEVATION (feet msl)	DEPTH TO WATER (feet bmp)	WATER LEVEL ELEVATION (feet msl)
Lower Unit A Monitor Wells (continued)				
UA-15D	01/20/20	95.69	49.63	46.06
UA-15D	05/19/20	95.69	47.07	48.62
UA-15D	08/24/20	95.69	47.04	48.65
UA-15D	11/11/20	95.69	48.27	47.42
UA-16D	01/20/20	93.86	45.91	47.95
UA-16D	05/19/20	93.86	43.52	50.34
UA-16D	08/24/20	93.86	44.01	49.85
UA-16D	11/11/20	93.86	45.36	48.50
UA-17D	01/20/20	93.89	45.94	47.95
UA-17D	05/19/20	93.89	43.53	50.36
UA-17D	08/24/20	93.89	44.08	49.81
UA-17D	11/11/20	93.89	45.42	48.47
Lower Unit A Extraction Wells				
LAX-01	01/21/20	88.77	40.91	47.86
LAX-01	05/19/20	88.77	38.47	50.30
LAX-01	08/25/20	88.77	39.02	49.75
LAX-01	11/11/20	88.77	45.08	43.69
LAX-02	01/21/20	96.18	49.06	47.12
LAX-02	05/20/20	96.18	46.43	49.75
LAX-02	08/24/20	96.18	46.59	49.59
LAX-02	11/11/20	96.18	47.80	48.38
LAX-03	01/21/20	96.66	49.75	46.91
LAX-03	05/19/20	96.66	47.30	49.36
LAX-03	08/24/20	96.66	52.35	49.29
LAX-03	11/11/20	96.66	46.44	50.22
A/B Aquitard Monitor Wells				
AB-01	01/20/20	97.24	49.01	48.23
AB-01	05/19/20	97.24	46.55	50.69
AB-01	08/24/20	97.24	46.90	50.34
AB-01	11/11/20	97.24	48.19	49.05
AB-02	01/20/20	96.29	48.11	48.18
AB-02	05/19/20	96.29	45.63	50.66
AB-02	08/24/20	96.29	45.78	50.51
AB-02	11/11/20	96.29	47.05	49.24
AB-03	01/20/20	96.64	48.47	48.17
AB-03	05/19/20	96.64	46.00	50.64
AB-03	08/24/20	96.64	46.18	50.46
AB-03	11/11/20	96.64	47.53	49.11
AB-05	01/21/20	90.99	42.72	48.27
AB-05	05/19/20	90.99	40.51	50.48
AB-05	08/24/20	90.99	41.26	49.73
AB-05	11/11/20	90.99	42.39	48.60

TABLE 1
WATER LEVEL ELEVATION DATA

WELL IDENTIFIER	DATE MEASURED	MEASURING POINT ELEVATION (feet msl)	DEPTH TO WATER (feet bmp)	WATER LEVEL ELEVATION (feet msl)
A/B Aquitard Monitor Wells (continued)				
AB-06	01/20/20	93.67	45.50	48.17
AB-06	05/19/20	93.67	43.06	50.61
AB-06	08/24/20	93.67	43.75	49.92
AB-06	11/11/20	93.67	44.97	48.70
AB-07	01/20/20	90.62	43.44	47.18
AB-07	05/19/20	90.62	41.00	49.62
AB-07	08/24/20	90.62	41.61	49.01
AB-07	11/11/20	90.62	42.81	47.81
AB-08	01/20/20	93.92	46.17	47.75
AB-08	05/19/20	93.92	43.70	50.22
AB-08	08/24/20	93.92	44.37	49.55
AB-08	11/11/20	93.92	45.70	48.22
Unit B Monitor Wells				
UB-01	01/20/20	100.47	51.91	48.56
UB-01	05/19/20	100.47	49.50	50.97
UB-01	08/24/20	100.47	50.28	50.19
UB-01	11/11/20	100.47	51.57	48.90
UB-02	01/20/20	91.38	45.00	46.38
UB-02	05/19/20	91.38	42.68	48.70
UB-02	08/24/20	91.38	43.43	47.95
UB-02	11/11/20	91.38	45.08	46.30
UB-03	01/20/20	94.94	48.07	46.87
UB-03	05/19/20	94.94	45.65	49.29
UB-03	08/24/20	94.94	46.60	48.34
UB-03	11/11/20	94.94	47.80	47.14
UB-04	01/20/20	94.00	46.64	47.36
UB-04	05/19/20	94.00	44.23	49.77
UB-04	08/24/20	94.00	45.21	48.79
UB-04	11/11/20	94.00	46.48	47.52
UB-05	01/20/20	90.59	43.95	46.64
UB-05	05/19/20	90.59	41.54	49.05
UB-05	08/24/20	90.59	42.55	48.04
UB-05	11/11/20	90.59	43.73	46.86
UB-06	01/20/20	93.83	46.93	46.90
UB-06	05/19/20	93.83	44.55	49.28
UB-06	08/24/20	93.83	45.59	48.24
UB-06	11/11/20	93.83	46.82	47.01

TABLE 1
WATER LEVEL ELEVATION DATA

WELL IDENTIFIER	DATE MEASURED	MEASURING POINT ELEVATION (feet msl)	DEPTH TO WATER (feet bmp)	WATER LEVEL ELEVATION (feet msl)
Orange County Water District Test Wells				
36A6-255	01/20/20	92.09	45.84	46.25
36A6-255	05/19/20	92.09	43.49	48.60
36A6-255	08/24/20	92.09	44.60	47.49
36A6-255	11/11/20	92.09	45.79	46.30
36A6-855	01/20/20	92.09	89.29	2.80
36A6-855	05/19/20	92.09	75.57	16.52
36A6-855	08/24/20	92.09	82.33	9.76
36A6-855	11/11/20	92.09	88.41	3.68

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)
Shallow Zone Water Table Monitor Wells			
SE-01	08/26/20	ORG	5,600
S-02	08/25/20	ORG	0.36 J
S-03	08/25/20	ORG	5.6
S-04	08/25/20	ORG	17
S-05	--	--	NS
S-07	08/26/20	ORG	0.64
S-08	08/26/20	ORG	1,500
S-21	08/25/20	ORG	<0.50
S-32	08/25/20	ORG	34
Deeper Shallow Zone Monitor Wells			
S-14	08/26/20	ORG	1.1
S-15	08/25/20	ORG	1.8
S-18	08/25/20	ORG	1.1
S-24	08/26/20	ORG	3.9
S-26	08/26/20	ORG	1.0
S-27	08/25/20	ORG	<0.50
S-29	08/26/20	ORG	<0.50
S-30	08/25/20	ORG	<0.50
S-30	08/25/20	FD	<0.50
S-31	08/26/20	ORG	0.91
Shallow Zone Extraction Well			
SE-04	08/26/20	ORG	9.7
Shallow Zone Horizontal Extraction Wells			
HEW-01	01/21/20	ORG	610
HEW-01	01/21/20	FD	710
HEW-01	05/20/20	ORG	560
HEW-01	08/25/20	ORG	560
HEW-01	08/25/20	FD	550
HEW-01	11/11/20	ORG	680
HEW-02	01/20/20	ORG	140
HEW-02	05/19/20	ORG	120
HEW-02	08/25/20	ORG	120
HEW-02	11/12/20	ORG	100
HEW-03	01/21/20	ORG	99
HEW-03	05/20/20	ORG	95
HEW-03	08/26/20	ORG	91
HEW-03	11/12/20	ORG	92
HEW-03	11/12/20	FD	89
HEW-04	01/21/20	ORG	130
HEW-04	05/19/20	ORG	110
HEW-04	05/19/20	FD	110
HEW-04	08/26/20	ORG	91
HEW-04	08/26/20	FD	92
HEW-04	11/11/20	ORG	110
HEW-05	01/20/20	ORG	51
HEW-05	05/19/20	ORG	120
HEW-05	08/25/20	ORG	120
HEW-05	11/12/20	ORG	120

TABLE 2
TRICHLOROETHYLENE IN GROUNDWATER SAMPLES

WELL IDENTIFIER	SAMPLE DATE	QUALITY ASSURANCE CODE	CONCENTRATION (ug/l)
Upper Unit A Monitor Wells			
UA-02	08/26/20	ORG	1.2
UA-06	08/26/20	ORG	4.7
UA-07	08/26/20	ORG	2.6
UA-08	08/26/20	ORG	3.7
UA-11	08/25/20	ORG	1.2
UA-12	08/26/20	ORG	2.2
Upper Unit A Extraction Wells			
UAX-01	01/21/20	ORG	2.4
UAX-01	05/20/20	ORG	2.3
UAX-01	08/25/20	ORG	2.0
UAX-01	11/11/20	ORG	2.5
UAX-02	01/21/20	ORG	4.0
UAX-02	05/20/20	ORG	4.2
UAX-02	08/26/20	ORG	4.1
UAX-02	08/26/20	FD	4.0
UAX-02	11/11/20	ORG	4.5
UAX-03	01/21/20	ORG	9.7 F1
UAX-03	05/19/20	ORG	9.8
UAX-03	08/26/20	ORG	9.0
UAX-03	11/11/20	ORG	10
Lower Unit A Monitor Wells			
UA-04D	08/25/20	ORG	<0.50
UA-06D	08/26/20	ORG	0.74
UA-07D	08/26/20	ORG	<0.50
UA-08D	08/26/20	ORG	2.3
UA-10D	08/26/20	ORG	<0.50
UA-11D	08/25/20	ORG	0.56
UA-12D	08/26/20	ORG	<0.50
UA-13D	08/25/20	ORG	<0.50
UA-14D	08/25/20	ORG	0.87 J
UA-15D	08/26/20	ORG	0.56
UA-16D	08/25/20	ORG	<0.50
UA-17D	08/25/20	ORG	<0.50
Lower Unit A Extraction Wells			
LAX-01	01/21/20	ORG	<0.50
LAX-01	05/19/20	ORG	0.17 J
LAX-01	08/25/20	ORG	<0.50
LAX-01	11/11/20	ORG	<0.50
LAX-02	01/21/20	ORG	0.16 J
LAX-02	05/20/20	ORG	0.13 J
LAX-02	08/26/20	ORG	<0.50
LAX-02	11/11/20	ORG	<0.50
LAX-03	01/21/20	ORG	0.35 J
LAX-03	05/19/20	ORG	0.37 J
LAX-03	08/26/20	ORG	0.38 J
LAX-03	11/11/20	ORG	<0.50
Unit A Injection Wells			
UAI-01	--	--	--
UAI-02	--	--	--
UAI-03	--	--	--
UAI-04	--	--	--
UAI-05	--	--	--

TABLE 2
TRICHLOROETHYLENE IN GROUNDWATER SAMPLES

WELL IDENTIFIER	SAMPLE DATE	QUALITY ASSURANCE CODE	CONCENTRATION (ug/l)
A/B Aquitard Monitor Wells			
AB-01	08/26/20	ORG	<0.50
AB-01	08/26/20	FD	<0.50
AB-02	08/26/20	ORG	11
AB-03	08/25/20	ORG	0.48 J
AB-05	08/25/20	ORG	<0.50
AB-06	08/26/20	ORG	<0.50
AB-07	08/25/20	ORG	3.9
AB-08	08/25/20	ORG	0.29 J
Unit B Monitor Wells			
UB-01	08/25/20	ORG	<0.50
UB-02	08/25/20	ORG	<0.50
UB-03	08/25/20	ORG	1.4
UB-04	08/26/20	ORG	12
UB-05	08/25/20	ORG	<1.0
UB-06	08/25/20	ORG	3.9
UB-06	08/25/20	FD	3.7
Quality Assurance/Quality Control Samples			
TB-012020	01/20/20	TB	<0.50
TB-012120	01/21/20	TB	<0.50
RB-012120	01/21/20	RB	<0.50
TB-051920	05/19/20	TB	<0.50
RB-051920	05/19/20	RB	<0.50
TB-082520	08/25/20	TB	<0.50
RB-082520A	08/25/20	RB	<0.50
RB-082520B	08/25/20	RB	<0.50
RB-082520C	08/25/20	RB	<0.50
TB-082620	08/26/20	TB	<0.50
RB-082620A	08/26/20	RB	<0.50
RB-082620B	08/26/20	RB	<0.50
TB-111120	11/11/20	TB	<0.50
RB-111120	11/11/20	RB	<0.50
TB-111220	11/12/20	TB	<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
 J= Estimated Value

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

WELL IDENTIFIER	SAMPLE DATE	QUALITY ASSURANCE CODE	COMPOUND	CONCENTRATION (ug/l)
Shallow Zone Water Table Monitor Wells				
SE-01	8/26/2020	ORG	1,1-Dichloroethane	0.19 J
SE-01	8/26/2020	ORG	1,1-Dichloroethene	0.38 J
SE-01	8/26/2020	ORG	Tetrachloroethene	170
S-03	8/25/2020	ORG	Trichlorofluoromethane	0.52
S-04	8/25/2020	ORG	Tetrachloroethene	0.33 J
S-08	8/26/2020	ORG	Tetrachloroethene	30
S-18	8/25/2020	ORG	1,1-Dichloroethene	0.22 J
S-32	8/25/2020	ORG	Tetrachloroethene	0.83
Deeper Shallow Zone Monitor Wells				
S-14	8/26/2020	ORG	1,1-Dichloroethane	0.29 J
S-15	8/25/2020	ORG	1,1-Dichloroethene	0.30 J
S-26	8/26/2020	ORG	1,1-Dichloroethane	0.13 J
S-26	8/26/2020	ORG	1,1-Dichloroethene	0.5
S-26	8/26/2020	ORG	cis-1,2-Dichloroethene	0.13 J
S-31	8/26/2020	ORG	1,1-Dichloroethene	0.26 J
S-31	8/26/2020	ORG	Methylene Chloride	0.11 J
S-31	8/26/2020	ORG	Methyl-t-Butyl Ether (MTBE)	0.44 J
Shallow Zone Horizontal Extraction Wells				
HEW-01	01/21/20	ORG	1,1-Dichloroethene	3.0 J
HEW-01	01/21/20	ORG	Chloroform	1.5 J
HEW-01	01/21/20	ORG	Tetrachloroethene	8.3 J
HEW-01	01/21/20	ORG	1,4-Dioxane	2.2
HEW-01	01/21/20	FD	1,1-Dichloroethene	3.5 J
HEW-01	01/21/20	FD	Chloroform	1.6 J
HEW-01	01/21/20	FD	Tetrachloroethene	9.1 J
HEW-01	01/21/20	FD	1,4-Dioxane	2.4
HEW-01	05/20/20	ORG	1,1-Dichloroethene	3.4 J
HEW-01	05/20/20	ORG	Chloroform	3.2 J B
HEW-01	05/20/20	ORG	Tetrachloroethene	7.7 J
HEW-01	05/20/20	ORG	1,4-Dioxane	2.4
HEW-01	08/25/20	ORG	Tetrachloroethene	8.2 J
HEW-01	08/25/20	ORG	1,4-Dioxane	1.6
HEW-01	08/25/20	FD	Tetrachloroethene	8.1 J
HEW-01	08/25/20	FD	1,4-Dioxane	1.5
HEW-01	11/11/20	ORG	Tetrachloroethene	10
HEW-02	01/20/20	ORG	Chloroform	0.62 J
HEW-02	01/20/20	ORG	1,4-Dioxane	0.79
HEW-02	05/19/20	ORG	Chloroform	0.68 J B
HEW-02	08/25/20	ORG	1,4-Dioxane	0.55

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

WELL IDENTIFIER	SAMPLE DATE	QUALITY ASSURANCE CODE	COMPOUND	CONCENTRATION (ug/l)
Shallow Zone Horizontal Extraction Wells (continued)				
HEW-03	01/21/20	ORG	1,1-Dichloroethene	1.1 J
HEW-03	01/21/20	ORG	Chloroform	0.27 J
HEW-03	01/21/20	ORG	Tetrachloroethene	1.7 J
HEW-03	05/20/20	ORG	1,1-Dichloroethene	0.74 J
HEW-03	05/20/20	ORG	Chloroform	0.37 J B
HEW-03	05/20/20	ORG	Tetrachloroethene	1.8 J
HEW-03	08/26/20	ORG	Tetrachloroethene	2
HEW-03	11/12/20	ORG	Tetrachloroethene	2.3
HEW-04	01/21/20	ORG	1,1-Dichloroethene	1.1 J
HEW-04	01/21/20	ORG	Chloroform	0.27 J
HEW-04	01/21/20	ORG	Tetrachloroethene	1.6 J
HEW-04	01/21/20	ORG	1,4-Dioxane	8.2
HEW-04	05/19/20	ORG	1,1-Dichloroethene	1.5 J
HEW-04	05/19/20	ORG	Chloroform	0.54 J B
HEW-04	05/19/20	ORG	Tetrachloroethene	1.8 J
HEW-04	05/19/20	ORG	1,4-Dioxane	7.8
HEW-04	05/19/20	FD	1,1-Dichloroethane	0.19 J
HEW-04	05/19/20	FD	1,1-Dichloroethene	1.3
HEW-04	05/19/20	FD	Chloroform	0.066 J B
HEW-04	05/19/20	FD	cis-1,2-Dichloroethene	0.39 J
HEW-04	05/19/20	FD	Tetrachloroethene	1.5
HEW-04	05/19/20	FD	1,4-Dioxane	7.0 H
HEW-04	08/26/20	ORG	1,1-Dichloroethene	1.2 J
HEW-04	08/26/20	ORG	Tetrachloroethene	1.3 J
HEW-04	08/26/20	ORG	1,4-Dioxane	5.8
HEW-04	08/26/20	FD	1,1-Dichloroethene	1.1 J
HEW-04	08/26/20	FD	Tetrachloroethene	1.5 J
HEW-04	08/26/20	FD	1,4-Dioxane	5.5
HEW-04	11/11/20	ORG	1,4-Dioxane	6.3
HEW-05	01/20/20	ORG	1,1-Dichloroethene	1.6 J
HEW-05	01/20/20	ORG	Chloroform	0.30 J
HEW-05	01/20/20	ORG	1,4-Dioxane	1.1
HEW-05	05/19/20	ORG	Chloroform	0.49 J B
HEW-05	05/19/20	ORG	cis-1,2-Dichloroethene	6.6
HEW-05	08/25/20	ORG	cis-1,2-Dichloroethene	6.1
HEW-05	11/12/20	ORG	cis-1,2-Dichloroethene	3.6
Upper Unit A Monitor Wells				
UA-06	08/26/20	ORG	1,1-Dichloroethene	0.31 J
UA-06	08/26/20	ORG	Tetrachloroethene	2.1
UA-07	08/26/20	ORG	1,1-Dichloroethane	2.4
UA-07	08/26/20	ORG	1,1-Dichloroethene	0.40 J
UA-08	08/26/20	ORG	1,1-Dichloroethene	0.7
UA-11	08/25/20	ORG	Isopropylbenzene	0.21 J
UA-11	08/25/20	ORG	Tetrachloroethene	3.7
UA-12	08/26/20	ORG	Tetrachloroethene	0.65

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

WELL IDENTIFIER	SAMPLE DATE	QUALITY ASSURANCE CODE	COMPOUND	CONCENTRATION (ug/l)
Upper Unit A Extraction Wells				
UAX-01	01/21/20	ORG	1,1-Dichloroethene	1.9
UAX-01	01/21/20	ORG	Acetone	6.8 J
UAX-01	01/21/20	ORG	Chloroform	0.088 J
UAX-01	05/20/20	ORG	1,1-Dichloroethene	1.8
UAX-01	08/25/20	ORG	1,1-Dichloroethene	1.9
UAX-01	11/11/20	ORG	1,1-Dichloroethene	2.1
UAX-02	01/21/20	ORG	1,1-Dichloroethane	0.13 J
UAX-02	01/21/20	ORG	1,1-Dichloroethene	2.2
UAX-02	01/21/20	ORG	Acetone	4.5 J
UAX-02	01/21/20	ORG	1,4-Dioxane	2.2
UAX-02	05/20/20	ORG	1,1-Dichloroethane	0.14 J
UAX-02	05/20/20	ORG	1,1-Dichloroethene	3
UAX-02	05/20/20	ORG	c-1,2-Dichloroethene	0.13 J
UAX-02	05/20/20	ORG	1,4-Dioxane	1.3
UAX-02	08/26/20	ORG	1,1-Dichloroethene	3.8
UAX-02	08/26/20	ORG	1,4-Dioxane	1.4
UAX-02	08/26/20	FD	1,1-Dichloroethene	3.7
UAX-02	08/26/20	FD	1,4-Dioxane	1.4
UAX-02	11/11/20	ORG	1,1-Dichloroethene	3.8
UAX-02	11/11/20	ORG	1,4-Dioxane	1.7
UAX-03	01/21/20	ORG	1,1-Dichloroethene	0.54 F2
UAX-03	01/21/20	ORG	Acetone	5.5 J
UAX-03	01/21/20	ORG	Chloroform	0.22 J F1 F2
UAX-03	01/21/20	ORG	Methylene Chloride	0.056 J F2
UAX-03	05/19/20	ORG	1,1-Dichloroethene	0.55
UAX-03	05/19/20	ORG	Chloroform	0.098
UAX-03	08/26/20	ORG	1,1-Dichloroethene	0.55
UAX-03	11/11/20	ORG	1,1-Dichloroethene	0.54
Lower Unit A Monitor Wells				
UA-06D	08/26/20	ORG	Tetrachloroethene	3.5
UA-07D	08/26/20	ORG	1,1-Dichloroethane	0.47 J
UA-07D	08/26/20	ORG	Tetrachloroethene	0.96
UA-08D	08/26/20	ORG	Tetrachloroethene	0.28 J
UA-10D	08/26/20	ORG	Tetrachloroethene	8.7
UA-11D	08/25/20	ORG	Tetrachloroethene	0.79
UA-12D	08/26/20	ORG	Tetrachloroethene	0.59
UA-14D	08/25/20	ORG	Tetrachloroethene	33
UA-15D	08/26/20	ORG	Methylene Chloride	0.11 J
UA-16D	08/25/20	ORG	Tetrachloroethene	0.59
UA-17D	08/25/20	ORG	Methyl-t-Butyl Ether (MTBE)	1.3

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

WELL IDENTIFIER	SAMPLE DATE	QUALITY ASSURANCE CODE	COMPOUND	CONCENTRATION (ug/l)
Lower Unit A Extraction Wells				
LAX-01	01/21/20	ORG	Acetone	9.6 J
LAX-02	01/21/20	ORG	Acetone	6.6 J
LAX-02	01/21/20	ORG	Chloroform	0.16 J
LAX-02	01/21/20	ORG	Methylene Chloride	0.059 J
LAX-03	01/21/20	ORG	Acetone	23
LAX-03	01/21/20	ORG	Methylene Chloride	0.050 J

FOOTNOTES

FD = Field duplicate sample
 ORG = Original sample
 ug/l = Micrograms per liter
 J = Estimated Value
 B= Compound was found in the blank and sample.
 H= Sample was prepped or analyzed beyond the specified holding time
 F1= MS and/or MSD Recovery is outside acceptance limits.
 F2= MS/MSD RPD exceeds control limits
 RB = Rinsate blank sample
 TB = Trip blank sample
 E = Data qualified as estimated in accordance with quality control criteria

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 ³ /hr	hr	m ³	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
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

FOOTNOTES

scfm = Standard cubic feet per minute

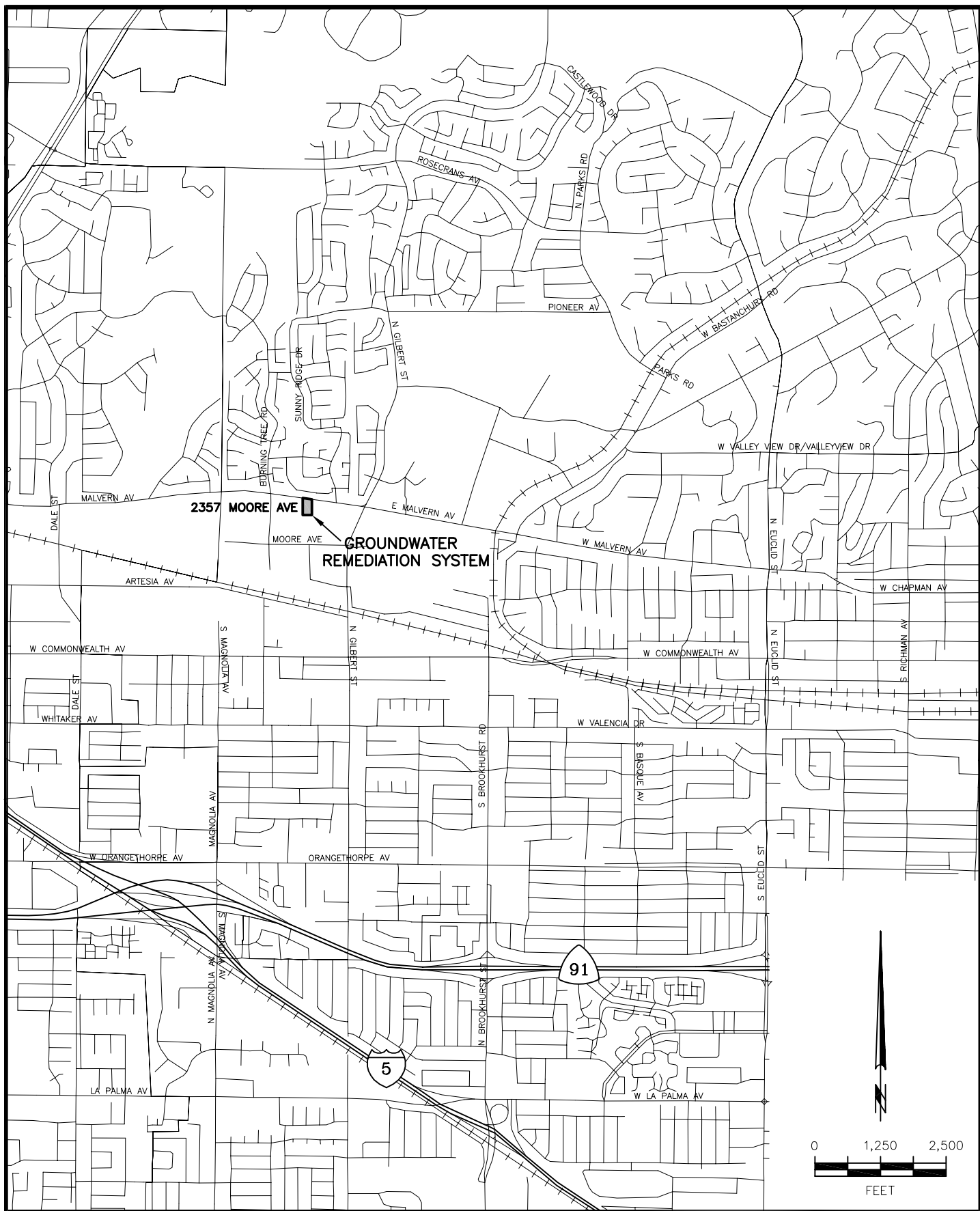
m³/hr = Cubic meter per hour

lb = Pound

VOCs = Volatile organic compounds

TCE = Trichloroethylene

FIGURES

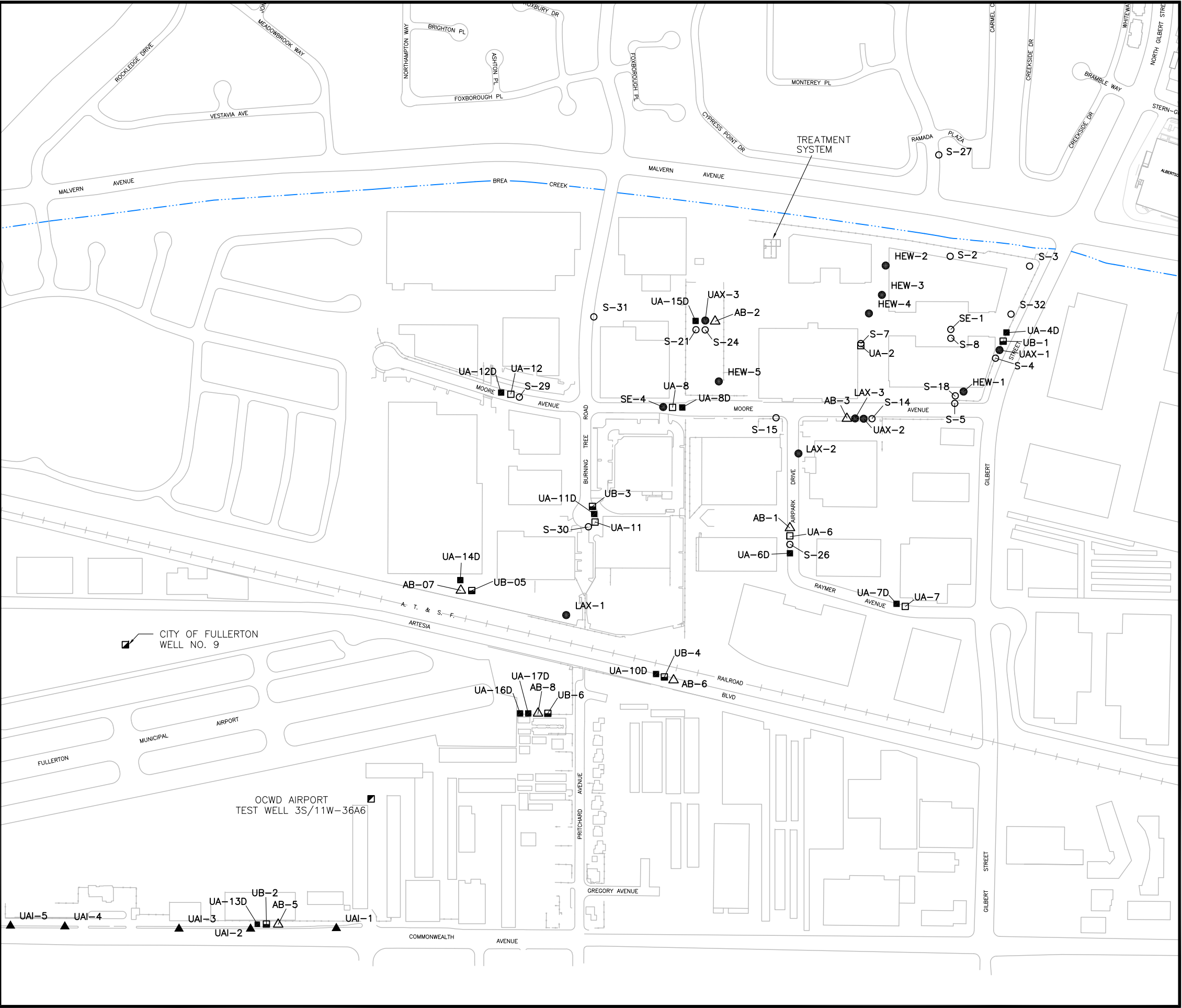


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Hydrogeology/Engineering

11/05	RPT NO. 764.11	410-5066	B
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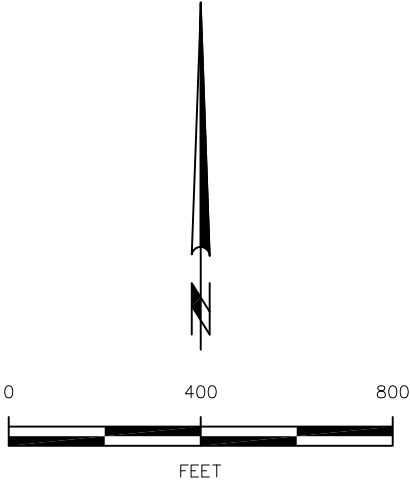
FIGURE 1. SITE LOCATION

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

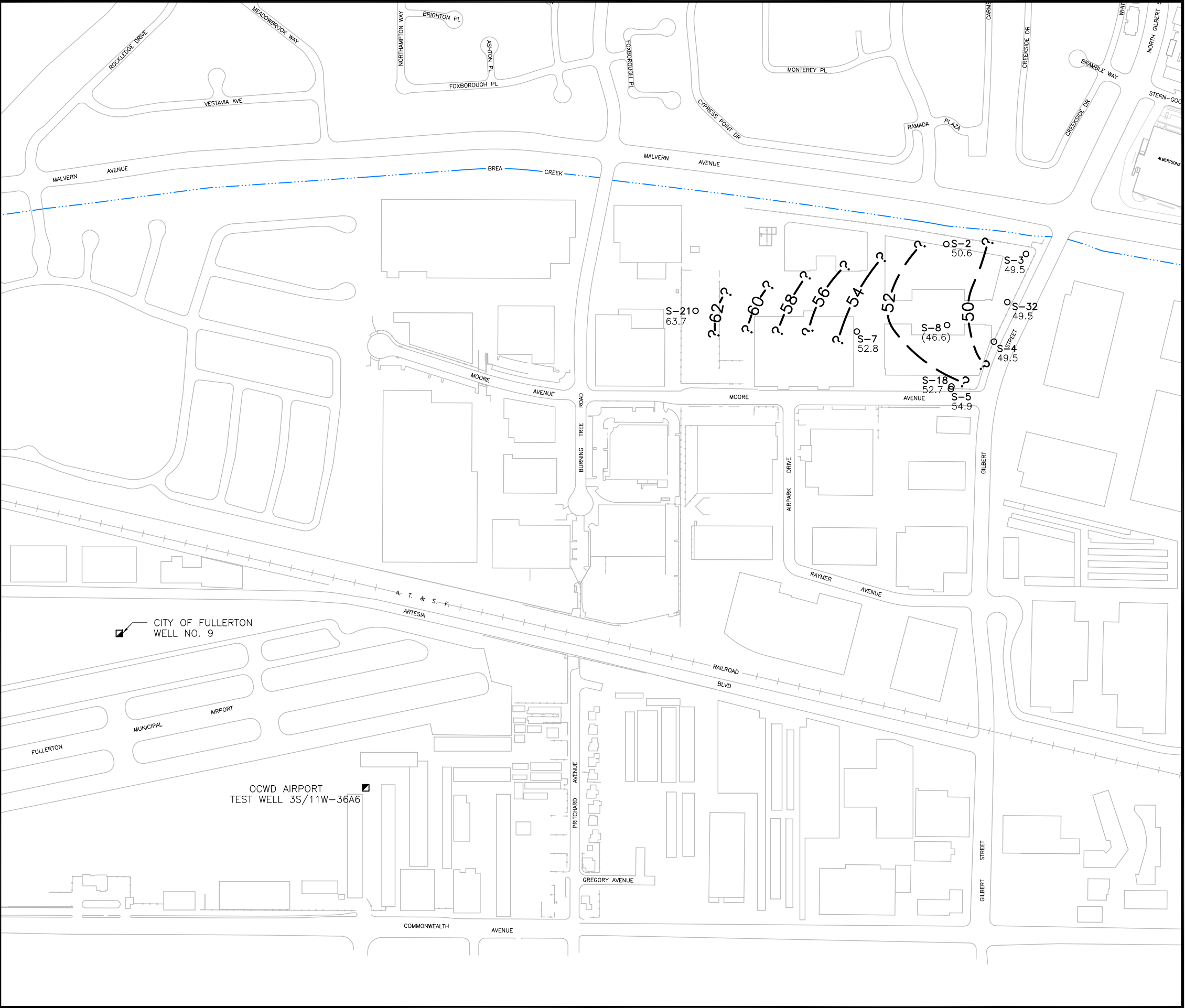
HARGIS+ASSOCIATES, INC.
Hydrogeology/Engineering

03/20

FIGURE 2

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

Dec 03, 2020 - 1:15pm ESS - T:\2020\700-799\764 Raytheon\Hydrogeology\Water Lvl\220-2534.dwg



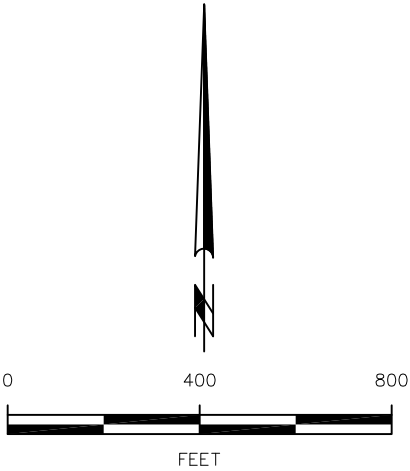
EXPLANATION

- 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 50.6 WATER LEVEL ELEVATION IN FEET MEAN SEA LEVEL
- (46.6) CONCENTRATION NOT CONTOURED
- +—+—+— 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 24, 2020



RAYTHEON COMPANY
FULLERTON, CALIFORNIA

**WATER LEVEL ELEVATIONS
SHALLOW ZONE WATER TABLE
AUGUST 2020**

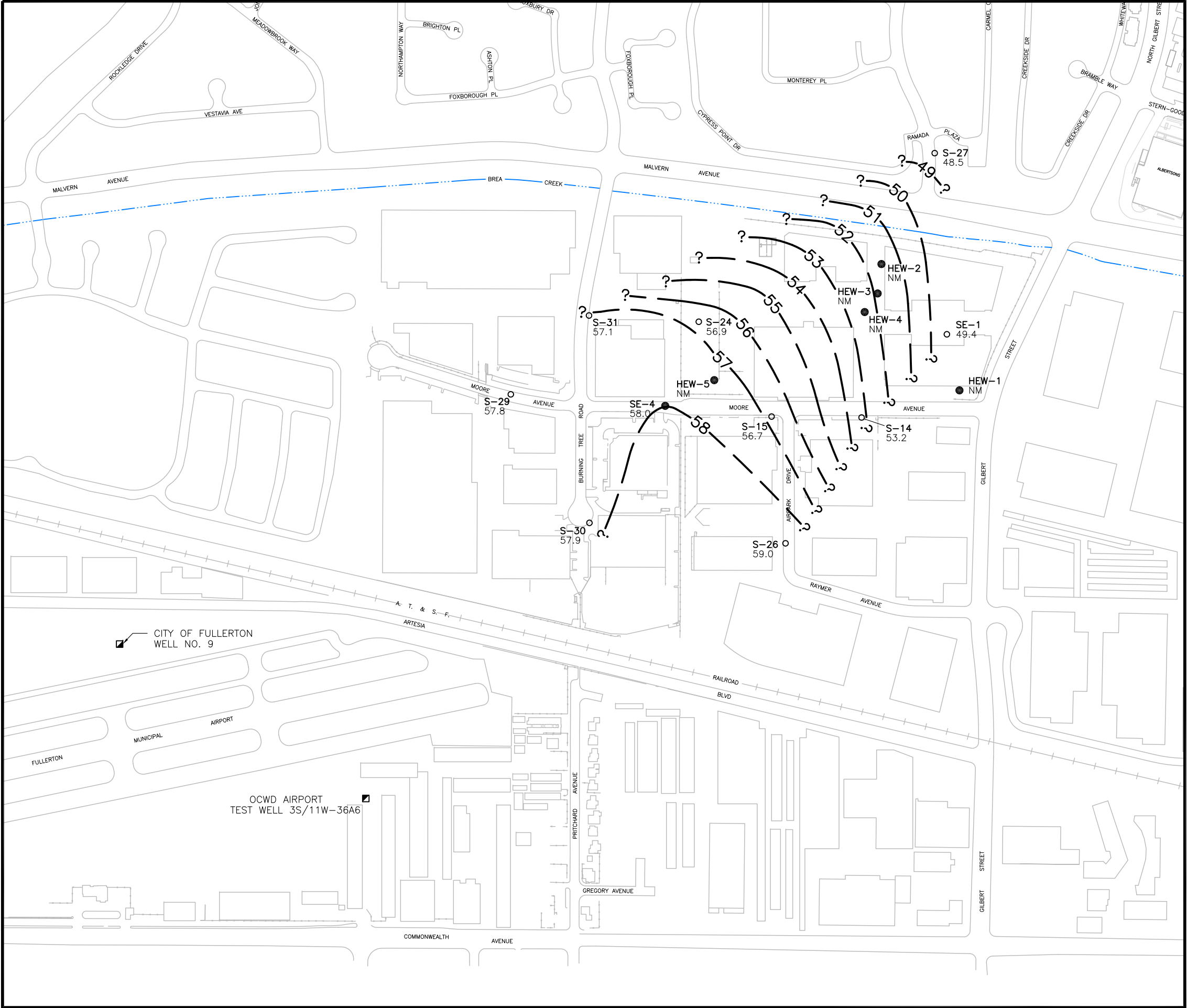
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Hydrogeology/Engineering

12/20

FIGURE 3

PREP BY AMJ REV BY RA RPT NO. 764.11 220-2534 A

Dec 03, 2020 - 1:16pm ESS - T:\2020\700-799\764 Raytheon\Hydrogeology\Water Lvl\220-2535.dwg



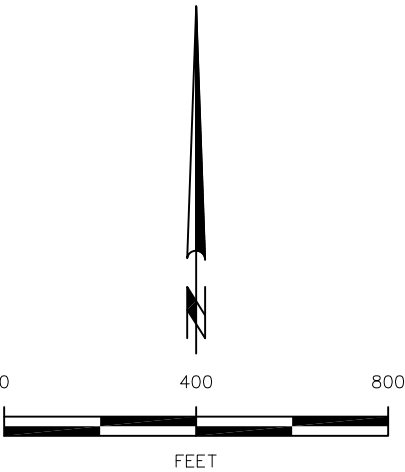
EXPLANATION

- 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 ○ 48.5 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 24, 2020



RAYTHEON COMPANY

FULLERTON, CALIFORNIA

**WATER LEVEL ELEVATIONS
DEEPER SHALLOW ZONE
AUGUST 2020**

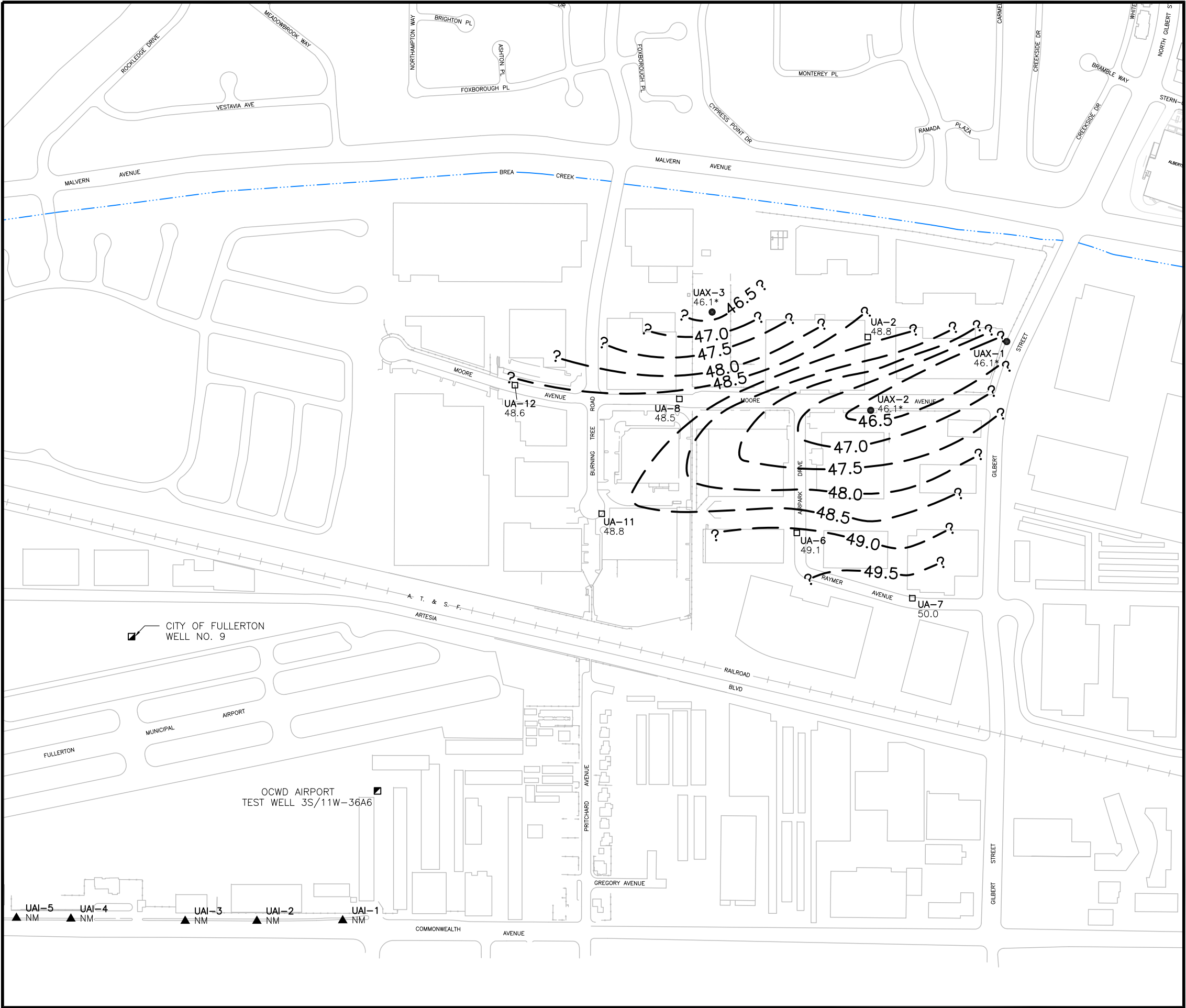
 **HARGIS+ASSOCIATES, INC.**
Hydrogeology/Engineering

12/20

FIGURE 4

PREP BY AMJ REV BY RA RPT NO. 764.11 220-2535 A

Dec 03, 2020 - 1:17pm ESS - T:\2020\700-799\764 Raytheon\Hydrogeology\Water Lvl\220-2536.dwg



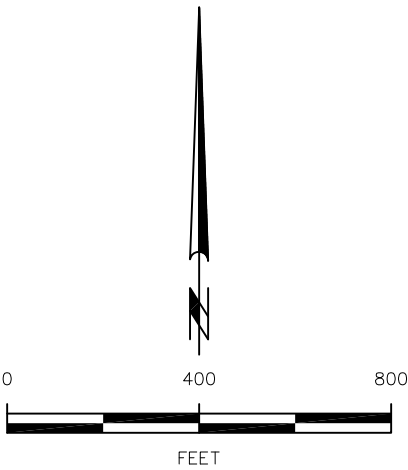
EXPLANATION

- 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 48.6 WATER LEVEL ELEVATION IN FEET MEAN SEA LEVEL
- 46.3* WATER LEVEL ELEVATION ESTIMATED
- NM NOT MEASURED
- AT & SF RAILROAD

? — 48.0 — — — ?

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

NOTE: WATER LEVELS MEASURED AUGUST 24, 2020



RAYTHEON COMPANY
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WATER LEVEL ELEVATIONS
UPPER UNIT A
AUGUST 2020



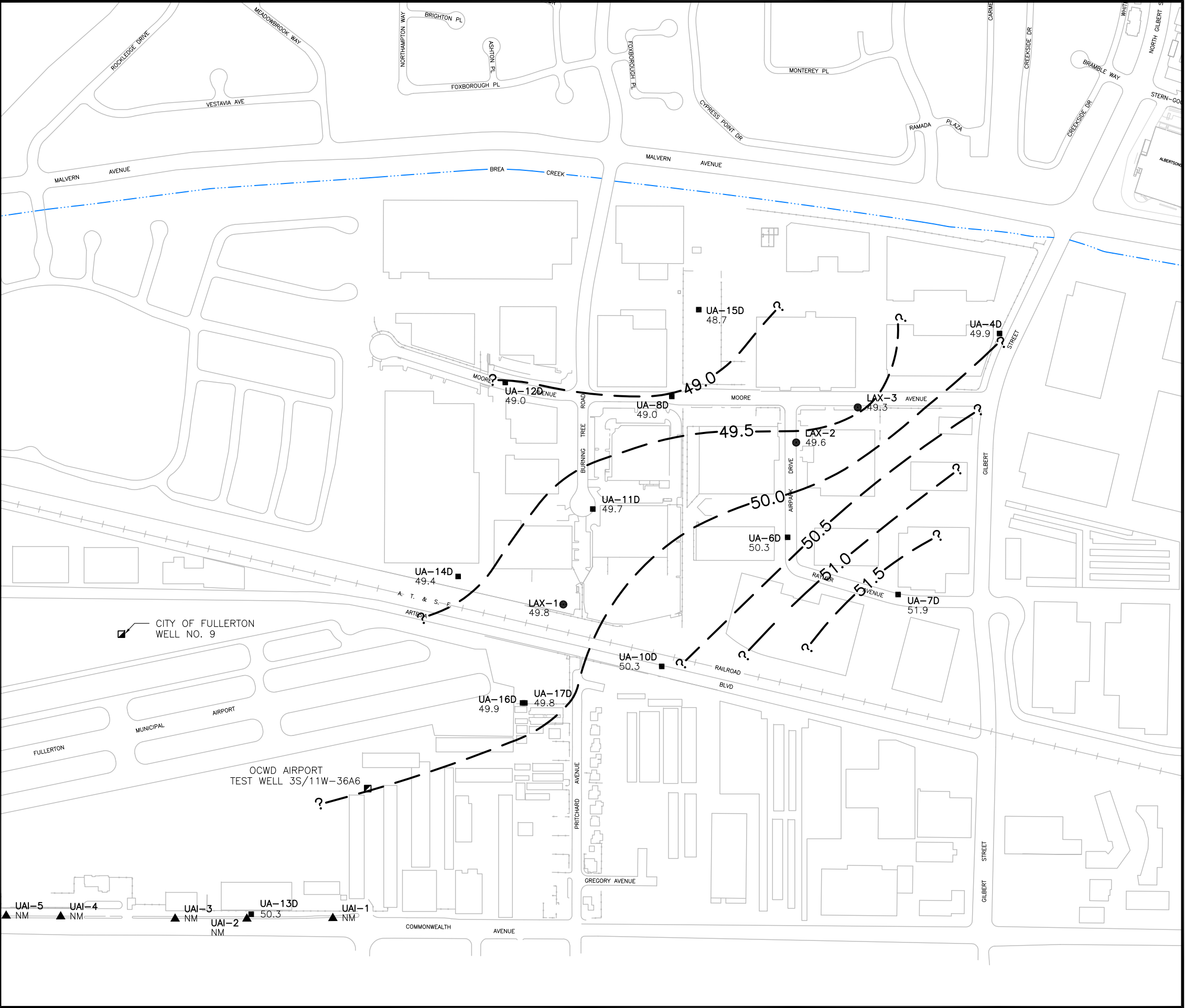
HARGIS+ASSOCIATES, INC.
Hydrogeology/Engineering

12/20

FIGURE 5

PREP BY AMJ REV BY RA RPT NO. 764.11 220-2536 A

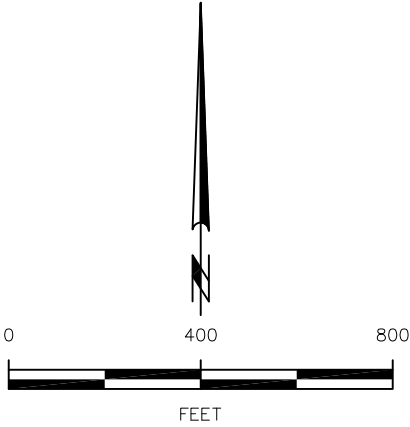
Dec 03, 2020 - 1:18pm ESS - T:\2020\700-799\764 Raytheon\Hydrogeology\Water Lvl\220-2537.dwg



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-6D WATER LEVEL ELEVATION IN FEET
- 50.3 MEAN SEA LEVEL
- NM WATER LEVEL ELEVATION NOT MEASURED
- +—+—+— AT & SF RAILROAD
- ? ——— 50.0 ——— ——— ? CONTOUR LINE OF EQUAL WATER LEVEL ELEVATION IN FEET MEAN SEA LEVEL DASHED WHERE APPROXIMATE, QUERIED WHERE INFERRED

NOTE: WATER LEVELS MEASURED AUGUST 24, 2020



RAYTHEON COMPANY
FULLERTON, CALIFORNIA

WATER LEVEL ELEVATIONS
LOWER UNIT A
AUGUST 2020

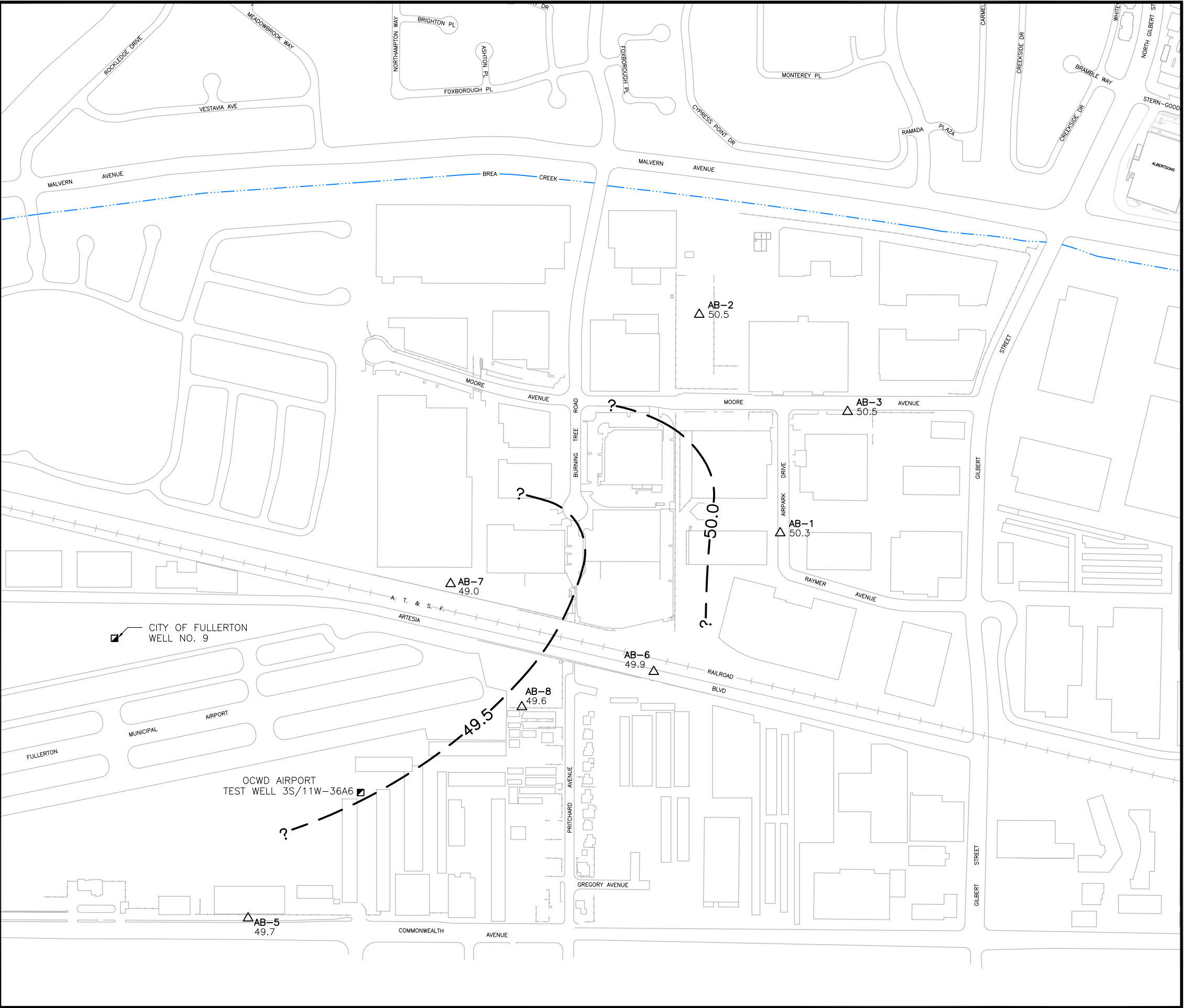


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12/20

FIGURE 6

Dec 03, 2020 - 1:19pm ESS - T:\2020\700-799\764 Raytheon\Hydrogeology\Water Lvl\220-2538.dwg



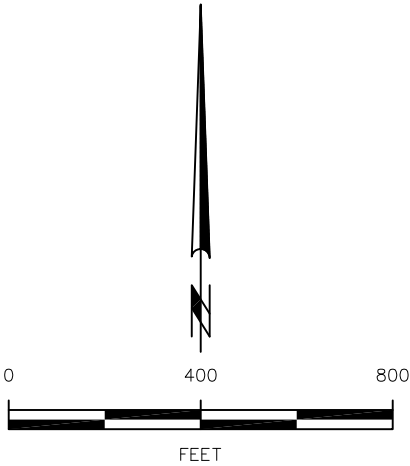
EXPLANATION

- △ 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
- △ 50.3 MEAN SEA LEVEL
- +—+—+— AT & SF RAILROAD

? ————— 50.0 — — — — ?

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

NOTE: WATER LEVELS MEASURED AUGUST 24, 2020



RAYTHEON COMPANY
FULLERTON, CALIFORNIA

WATER LEVEL ELEVATIONS
A/B AQUITARD
AUGUST 2020

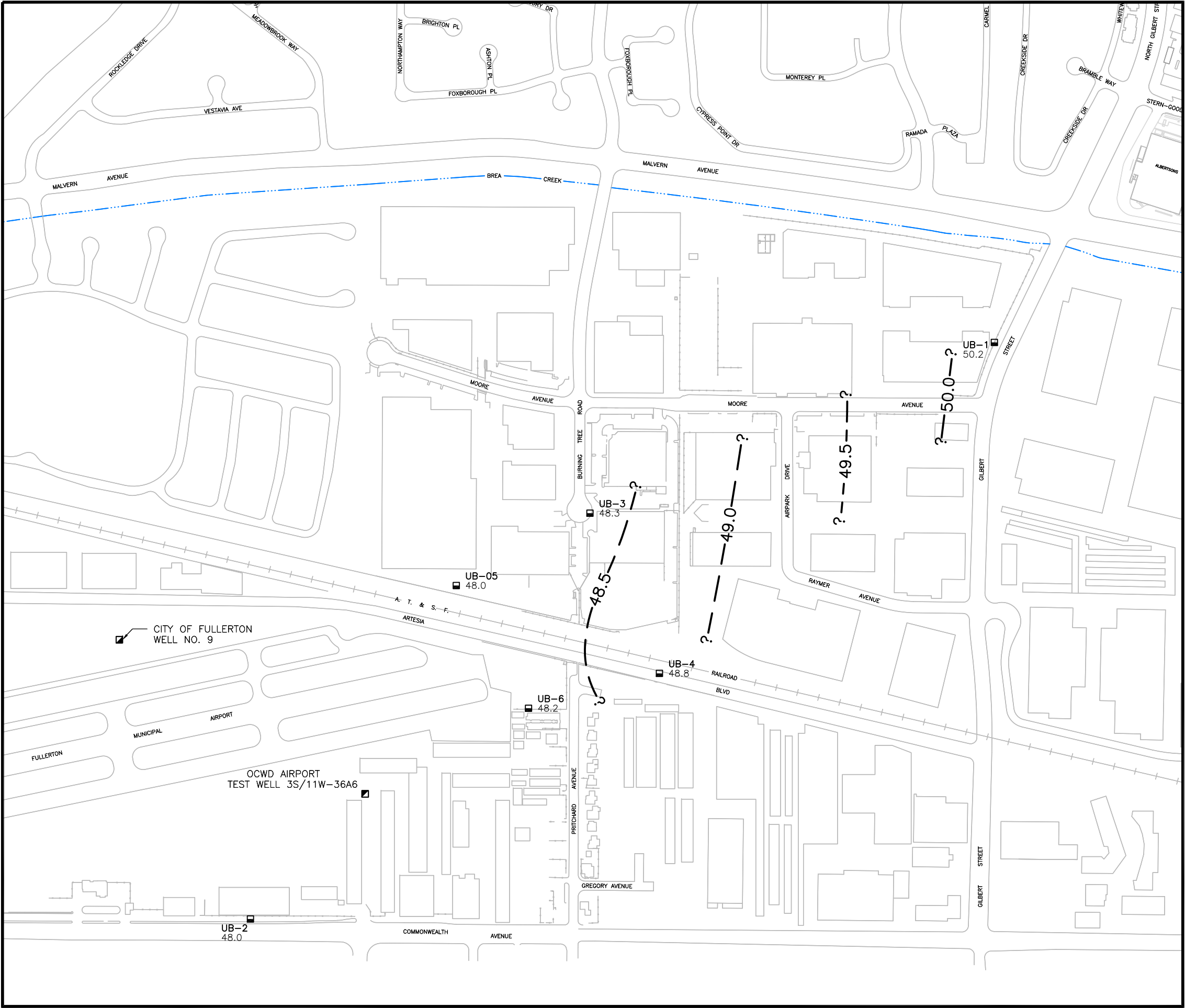


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12/20

FIGURE 7

Dec 03, 2020 -- 1:20pm ESS -- T:\2020\700-799\764 Raytheon\Hydrogeology\Water Lvl\220-2539.dwg



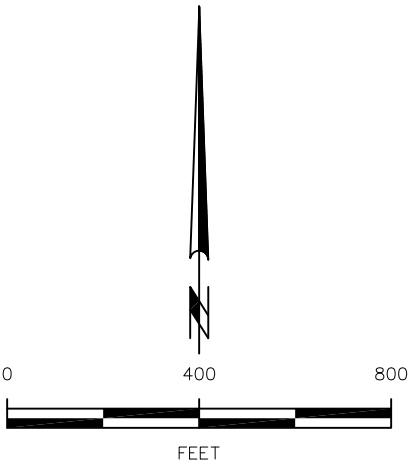
EXPLANATION

- 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
- 50.2 MEAN SEA LEVEL
- AT & SF RAILROAD

? — 50.0 — — — ?

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

NOTE: WATER LEVELS MEASURED AUGUST 24, 2020



RAYTHEON COMPANY
FULLERTON, CALIFORNIA

WATER LEVEL ELEVATIONS
UNIT B
AUGUST 2020

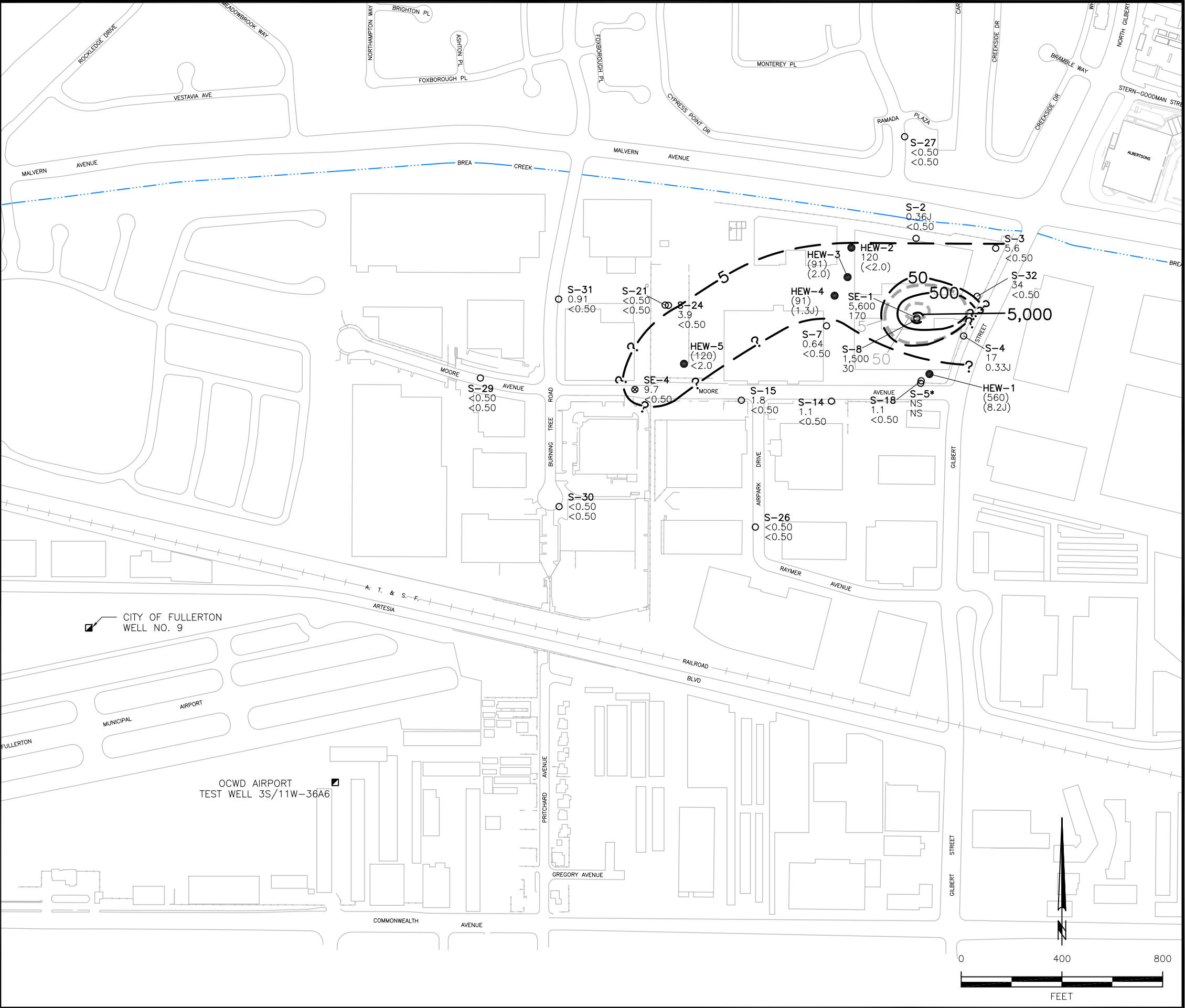
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Hydrogeology/Engineering

12/20

FIGURE 8

PREP BY AMJ REV BY RA RPT NO. 764.11 220-2539 A

Dec 03, 2020 - 1:31pm ESS - T:\2020\700-799\764 Raytheon\Hydrogeology\Water Qual\210-5204.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
- (120) CONCENTRATION NOT CONTOURED
- 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
- NS NOT SAMPLED
- * WELL WAS SCHEDULED TO BE SAMPLED BUT NOT SAMPLED DUE TO INSUFFICIENT VOLUME OF WATER IN THE WELL
- SE-1 ○ 5,600 CONCENTRATION OF TRICHLOROETHYLENE (TCE) IN MICROGRAMS PER LITER (ug/l)
- 170 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
- 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 2020
ANALYSES PERFORMED BY EUROFINS CALSCIENCE, INC.
GARDEN GROVE, CALIFORNIA

RAYTHEON COMPANY
FULLERTON, CALIFORNIA

TRICHLOROETHYLENE AND
TETRACHLOROETHYLENE
SHALLOW ZONE, AUGUST 2020

HARGIS+ASSOCIATES, INC.
Hydrogeology/Engineering

12/20

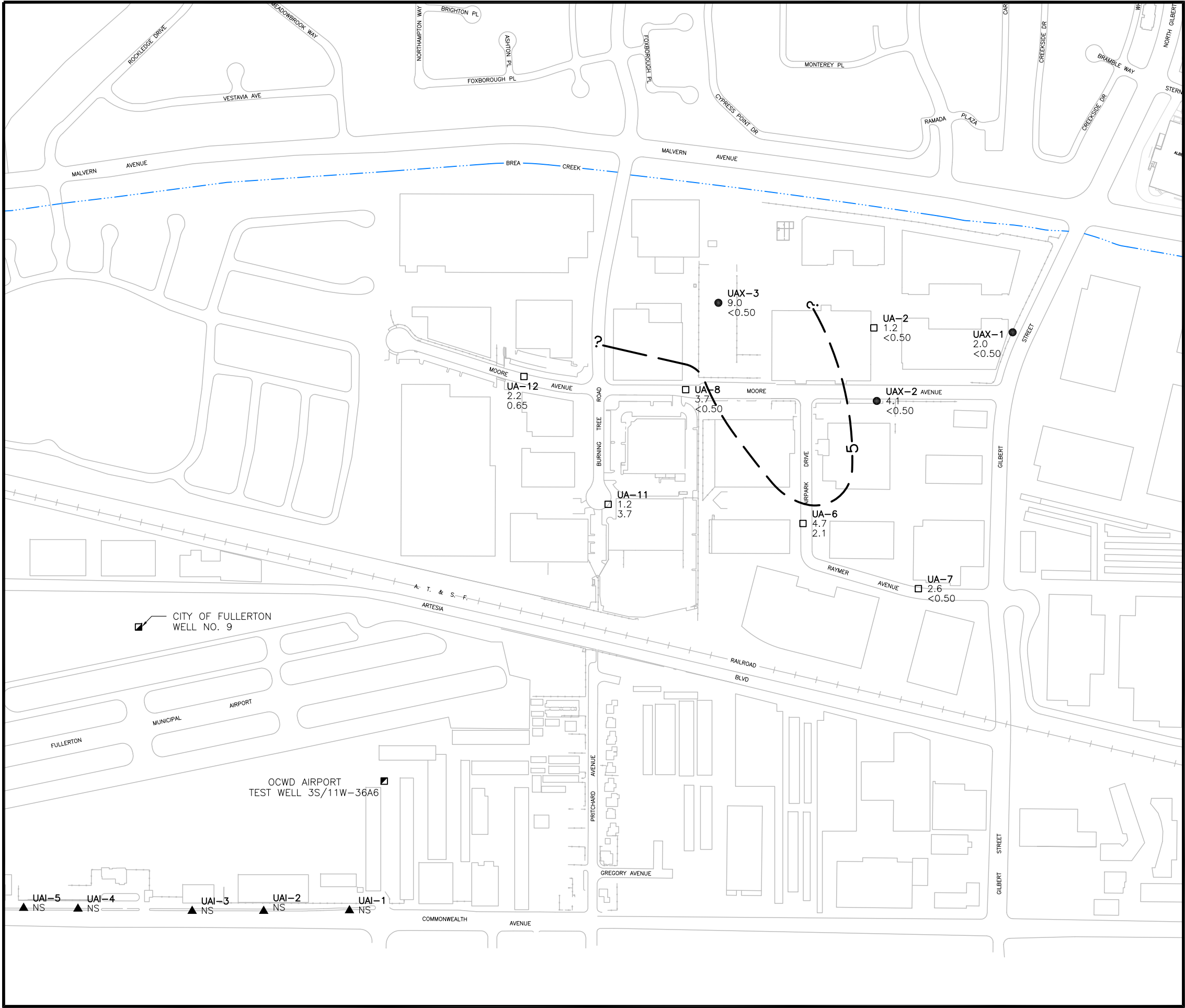
FIGURE 9

PREP BY AMJ REV BY AMD RPT NO. 764.11

210-5204

A

Dec 03, 2020 -- 11:23am ESS -- T: (2020) 700-799-764 Raytheon Hydrogeology\Water Qual\210-5205.dwg



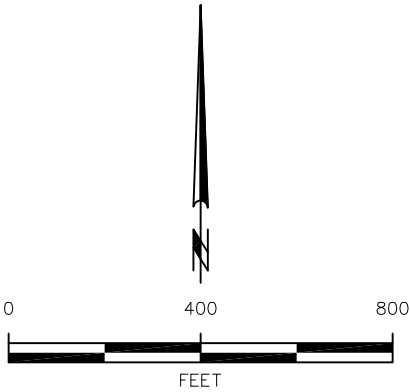
EXPLANATION

- 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 1.2 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
- 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 2020
ANALYSES PERFORMED BY EUROFINS CALSCIENCE, INC.
GARDEN GROVE, CALIFORNIA



RAYTHEON COMPANY
FULLERTON, CALIFORNIA

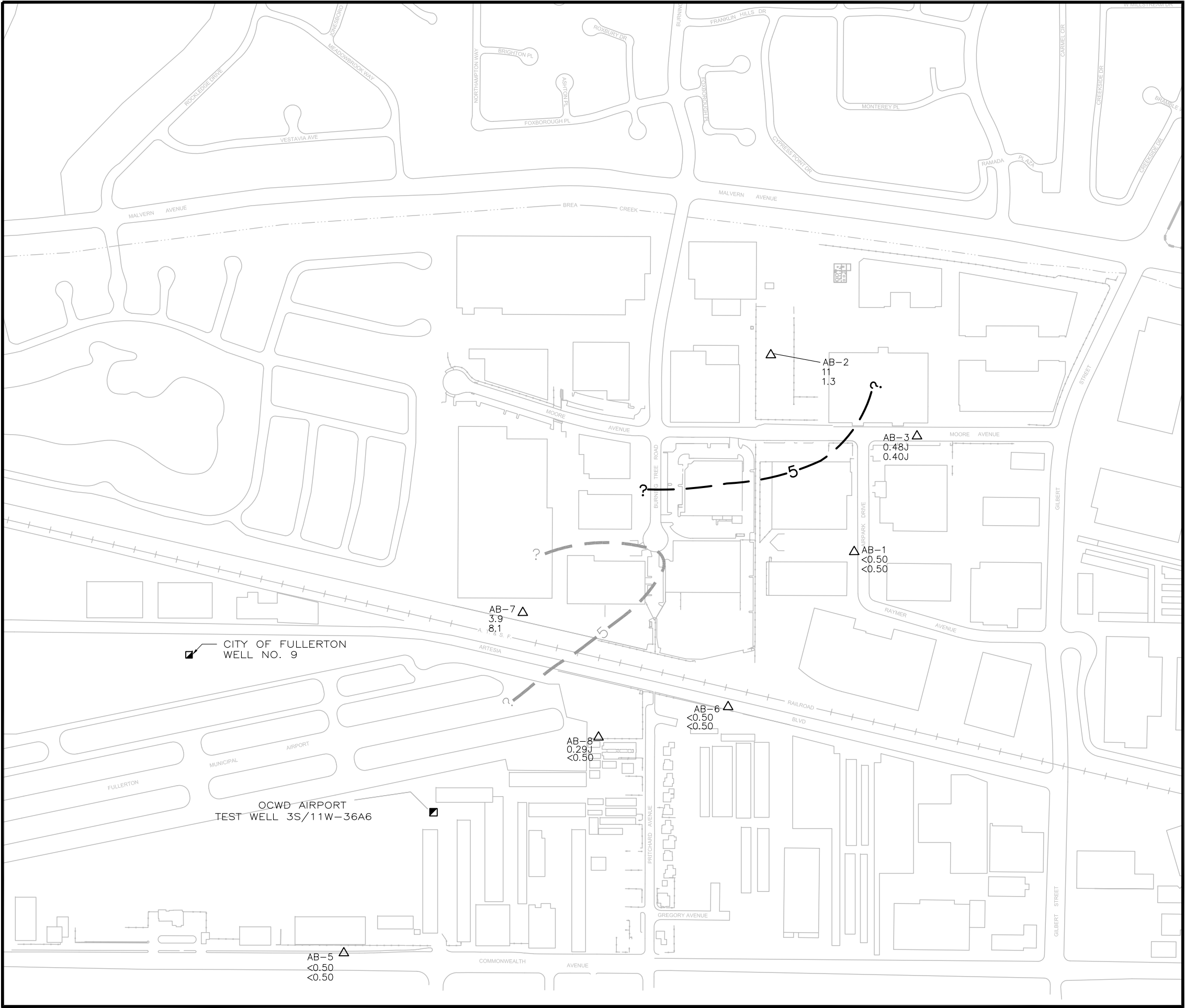
TRICHLOROETHYLENE AND
TETRACHLOROETHYLENE
UPPER UNIT A, AUGUST 2020



12 / 20

FIGURE 10

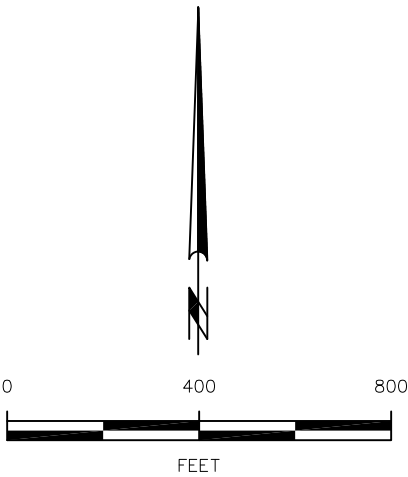
Dec 03, 2020 - 11:25am ESS - T: \\2020\\700-799\\764 Raytheon\\Hydrogeology\\Water Qual\\210-5210.dwg



EXPLANATION

- △ AB-7 APPROXIMATE LOCATION OF A/B AQUITARD 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
- △ AB-7
3.9 CONCENTRATION OF TRICHLOROETHYLENE (TCE) IN MICROGRAMS PER LITER (ug/l)
- 8.1 CONCENTRATION OF TETRACHLOROETHYLENE (PCE) IN MICROGRAMS PER LITER (ug/l)
- < LESS THAN; NUMERICAL VALUE IS THE REPORTING LIMIT FOR TCE
- J ESTIMATED CONCENTRATION
- + + + + AT & SF RAILROAD
- ? ————— 5 ————— ?
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 2020. ANALYSES PERFORMED BY EUROFINS CALSCIENCE INC., GARDEN GROVE, CALIFORNIA



RAYTHEON COMPANY
FULLERTON, CALIFORNIA

**TRICHLOROETHYLENE AND
TETRACHLOROETHYLENE
A/B AQUITARD, AUGUST 2020**

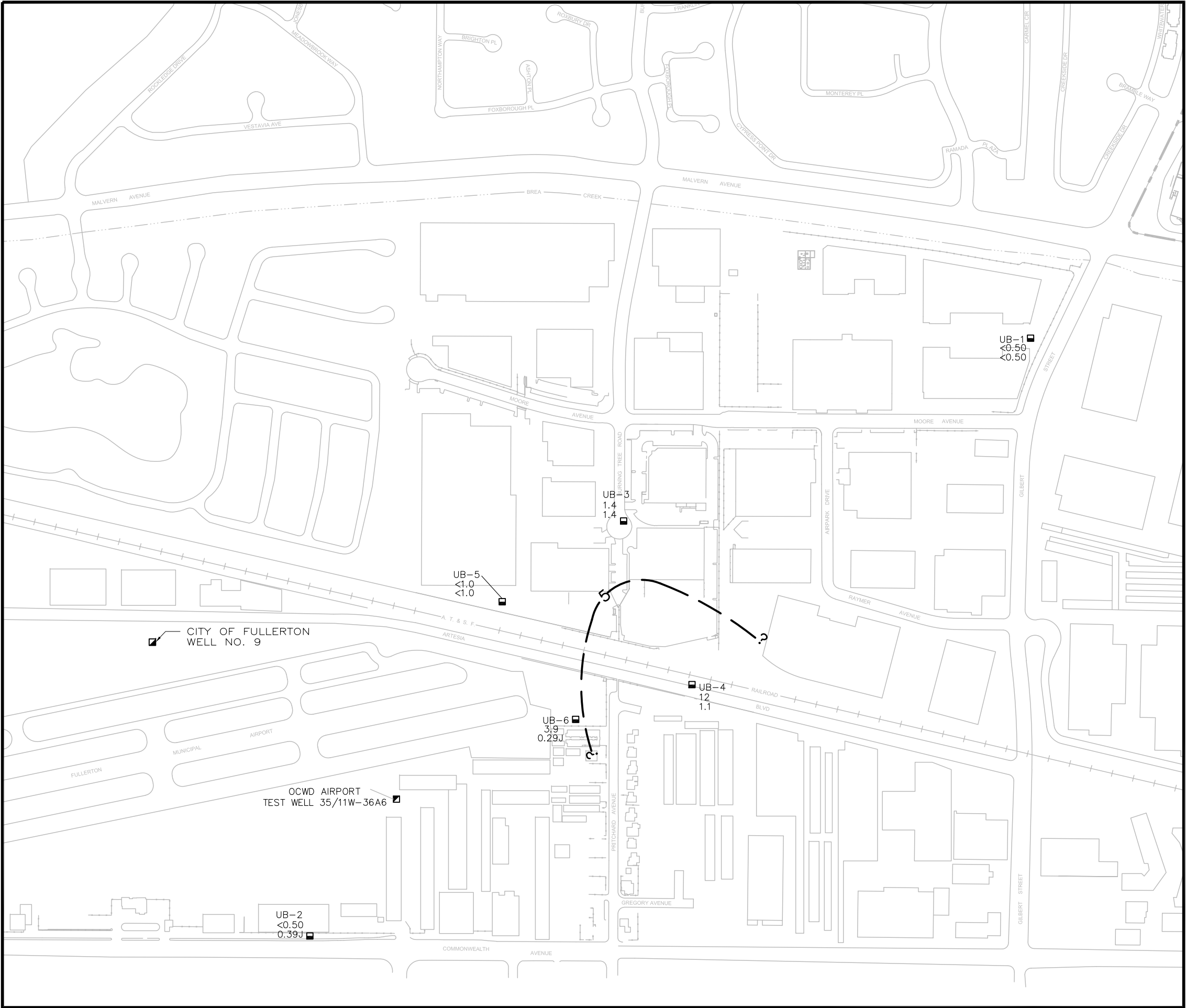

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10/20

FIGURE 12

PREP BY AMJ REV BY AMD RPT NO. 764.11 210-5210 A

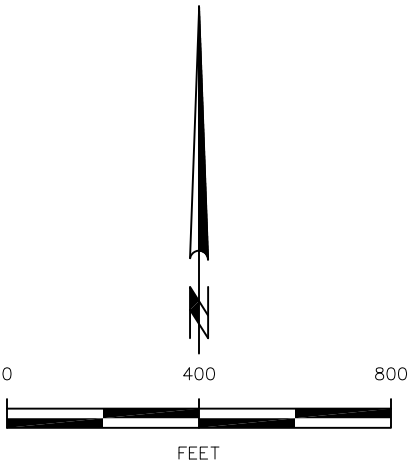
Dec 03, 2020 -- 11:26am ESS -- T: \\2020\\700-799\\764 Raytheon\\Hydrogeology\\Water Qual\\210-5211.dwg



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-3 1.4 CONCENTRATION OF TRICHLOROETHYLENE (TCE) IN MICROGRAMS PER LITER (ug/l)
- 1.4 CONCENTRATION OF TETRACHLOROETHYLENE (PCE) IN MICROGRAMS PER LITER (ug/l)
- J ESTIMATED CONCENTRATION
- < LESS THAN; NUMERICAL VALUE IS THE REPORTING LIMIT FOR TCE
- 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 2020. ANALYSES PERFORMED BY EUROFINS CALSCIENCE INC., GARDEN GROVE, CALIFORNIA



RAYTHEON COMPANY
FULLERTON, CALIFORNIA

**TRICHLOROETHYLENE AND
TETRACHLOROETHYLENE
UNIT B, AUGUST 2020**

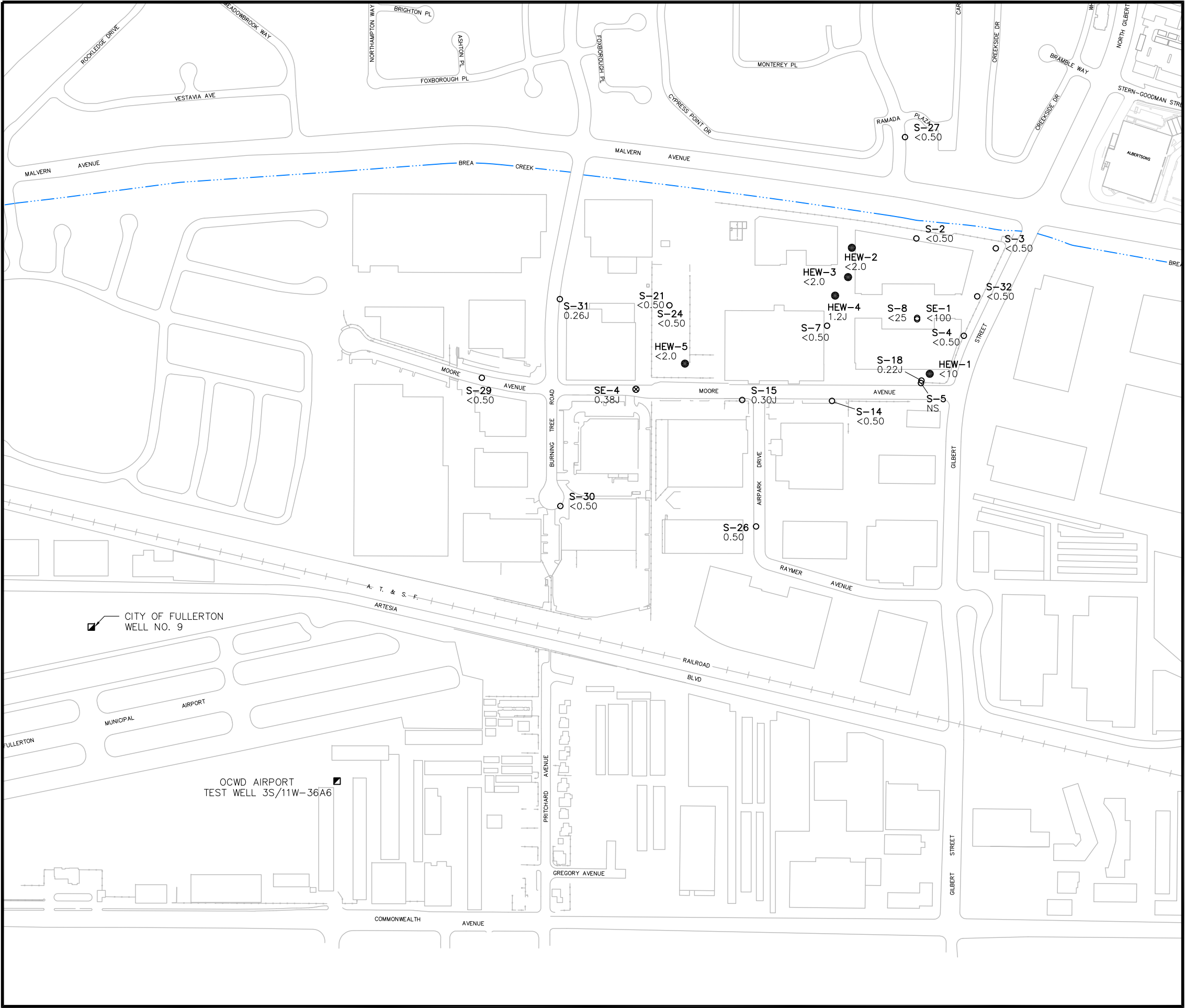
HARGIS+ASSOCIATES, INC.
Hydrogeology/Engineering

12/20

FIGURE 13

PREP BY	AMJ	REV BY	AMD	RPT NO.	764.11	210-5211	A
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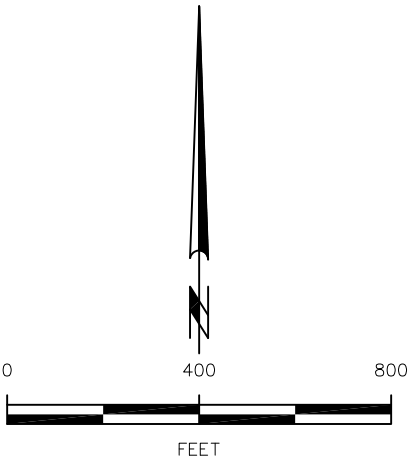
Dec 03, 2020 - 11:27am ESS - T: \\2020\\700-799\\764 Raytheon\\Hydrogeology\\Water Qual\\210-5207.dwg



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 2020
ANALYSES PERFORMED BY EUROFINS CALSCIENCE, INC.
GARDEN GROVE, CALIFORNIA



RAYTHEON COMPANY

FULLERTON, CALIFORNIA

1,1-DICHLOROETHYLENE
SHALLOW ZONE
AUGUST 2020

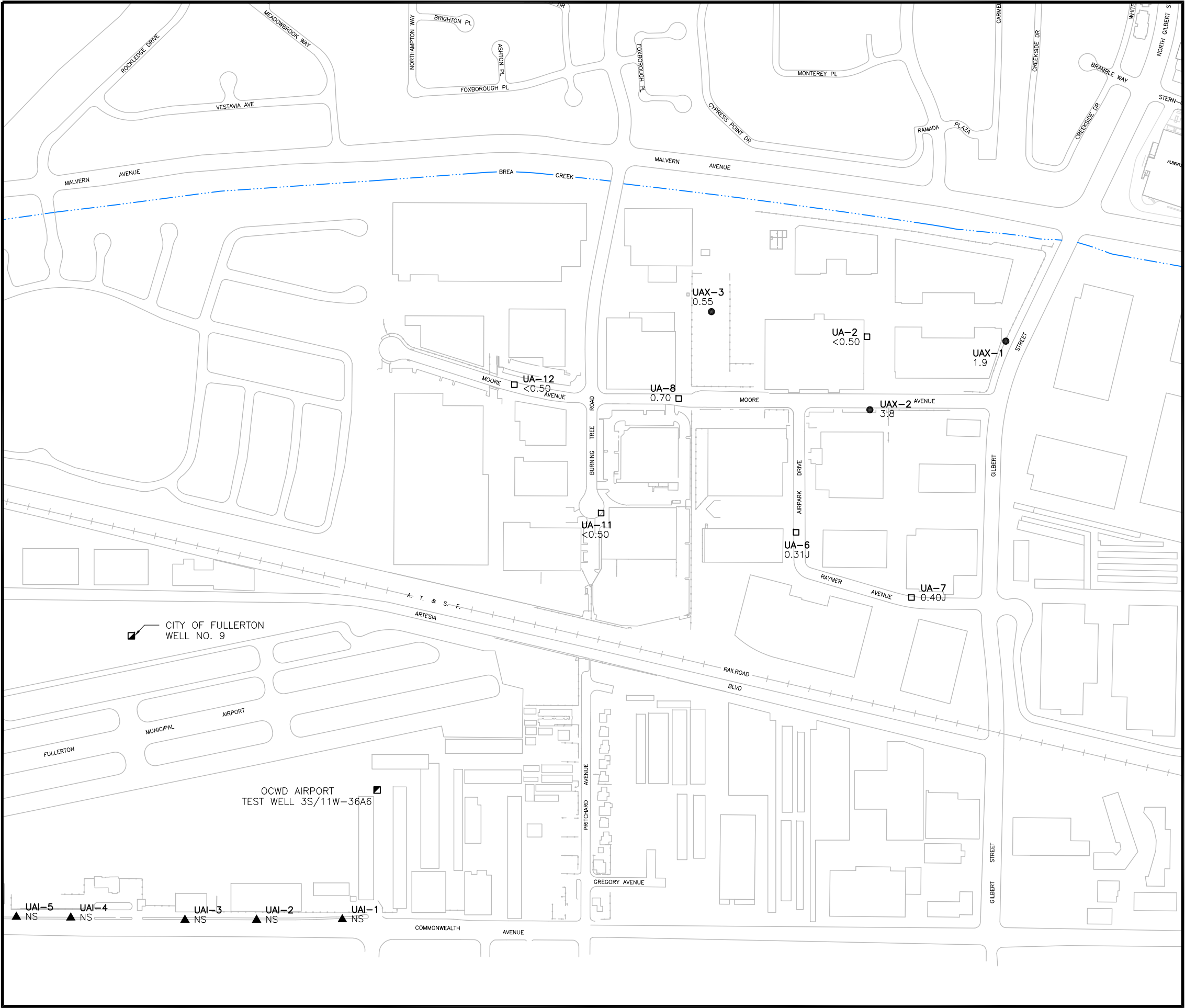
 HARGIS+ASSOCIATES, INC.
Hydrogeology/Engineering

10/20

FIGURE 14

PREP BY AMJ REV BY AMD RPT NO. 764.11 210-5207 A

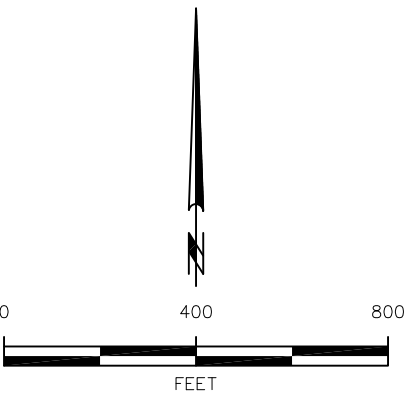
Dec 03, 2020 - 11:27am ESS - T: \\2020\\700-799\\764 Raytheon\\Hydrogeology\\Water Qual\\210-5208.dwg



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 1.9 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 2020
ANALYSES PERFORMED BY EUROFINS CALSCIENCE, INC.
GARDEN GROVE, CALIFORNIA



RAYTHEON COMPANY
FULLERTON, CALIFORNIA

1,1-DICHLOROETHYLENE
UPPER UNIT A
AUGUST 2020

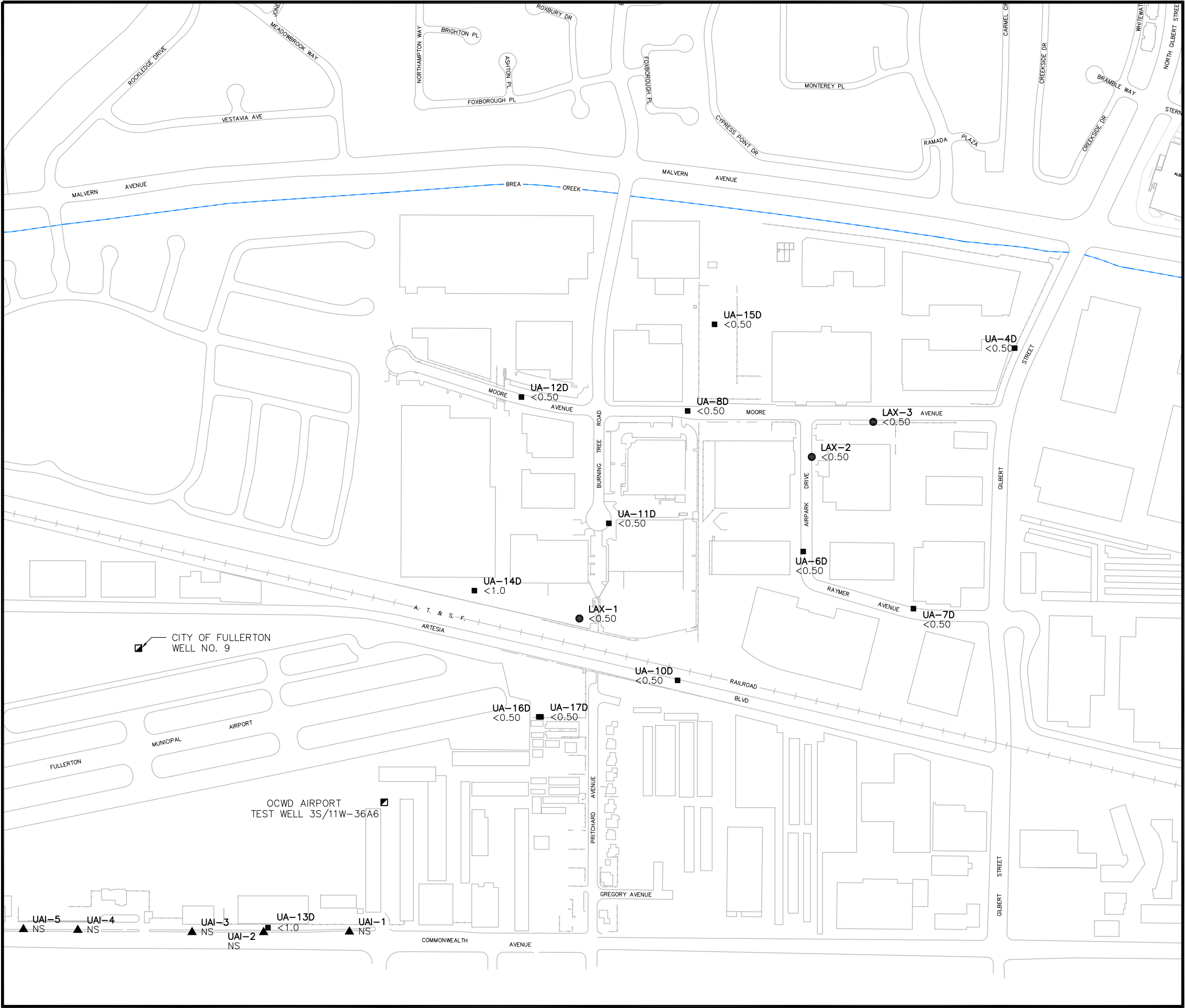
 HARGIS+ASSOCIATES, INC.
Hydrogeology/Engineering

12/20

FIGURE 15

PREP BY AMJ REV BY AMD RPT NO. 764.11 210-5208 A

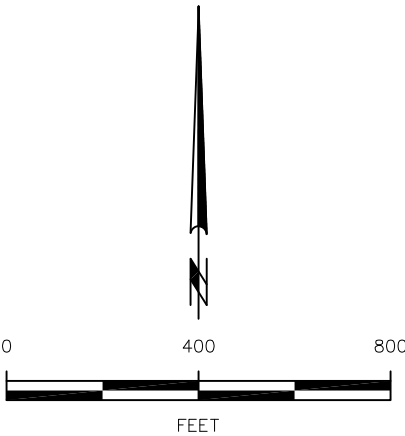
Dec 03, 2020 - 11:28am ESS - T: \\2020\\700-799\\764 Raytheon\\Hydrogeology\\Water Qual\\210-5209.dwg



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 2020
ANALYSES PERFORMED BY EUOFINS CALSCIENCE, INC.
GARDEN GROVE, CALIFORNIA



RAYTHEON COMPANY
FULLERTON, CALIFORNIA

1,1-DICHLOROETHYLENE
LOWER UNIT A
AUGUST 2020

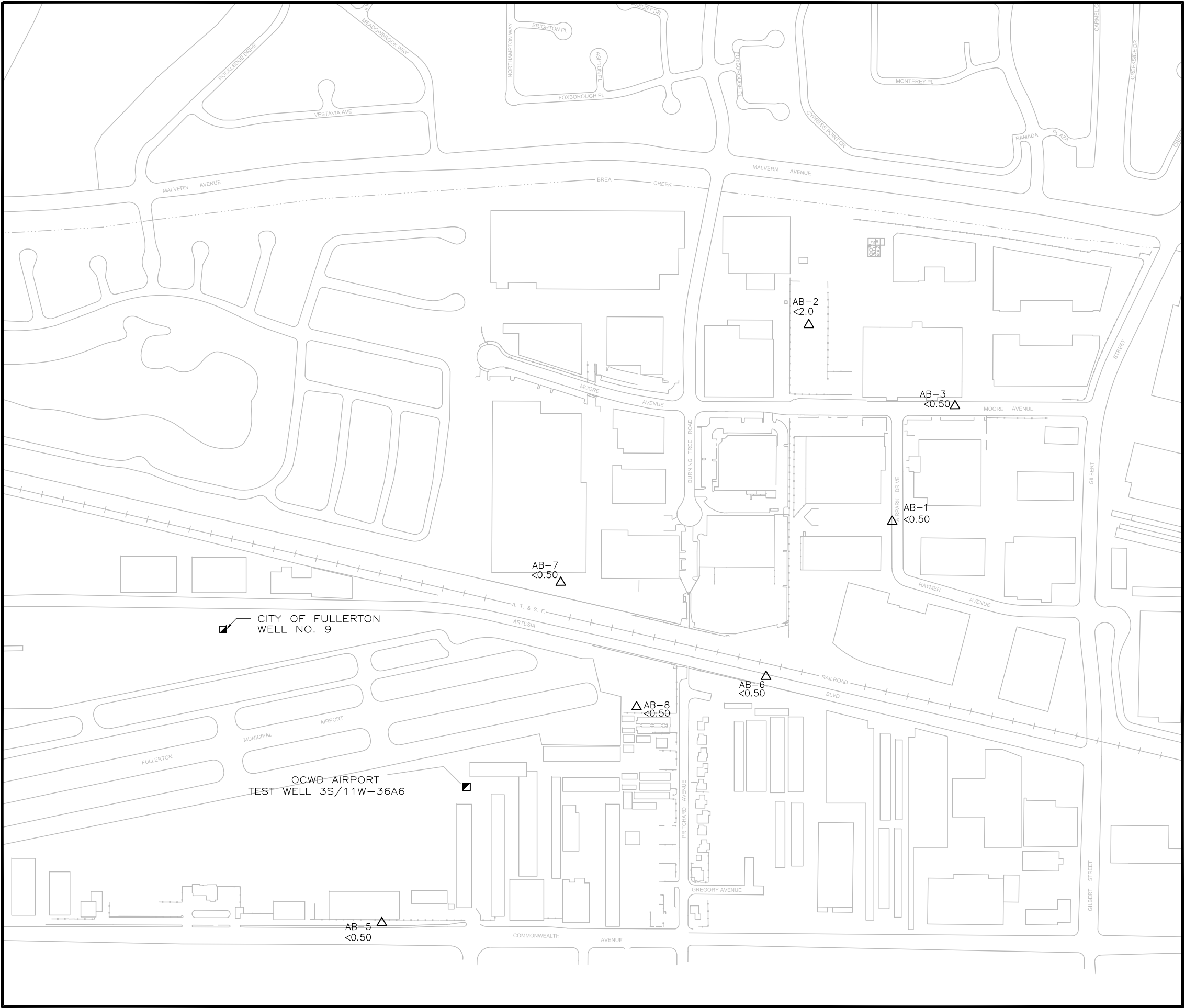
 HARGIS+ASSOCIATES, INC.
Hydrogeology/Engineering

10/20

FIGURE 16

PREP BY AMJ REV BY AMD RPT NO. 764.11 210-5209 A

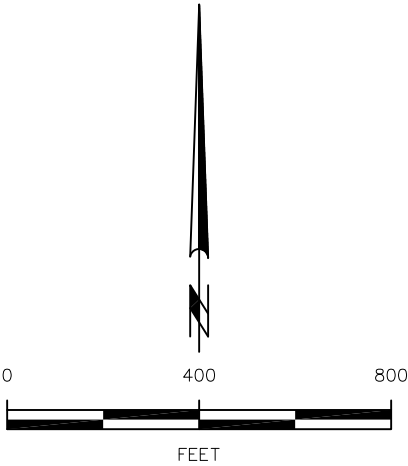
Dec 03, 2020 - 11:29am ESS - T: \\2020\\700-799\\764 Raytheon\\Hydrogeology\\Water Qual\\210-5212.dwg



EXPLANATION

- AB-7
△ APPROXIMATE LOCATION OF A/B AQUITARD 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
- AB-7
△ <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
- AT & SF RAILROAD

NOTE: GROUNDWATER SAMPLES COLLECTED AUGUST 2020.
ANALYSES PERFORMED BY EUROFINS CALSCIENCE INC.,
GARDEN GROVE, CALIFORNIA



RAYTHEON COMPANY

FULLERTON, CALIFORNIA

1,1-DICHLOROETHYLENE
A/B AQUITARD
AUGUST 2020

 HARGIS+ASSOCIATES, INC.
Hydrogeology/Engineering

12/20

FIGURE 17

PREP BY AMJ REV BY AMD RPT NO. 764.11

210-5212

A

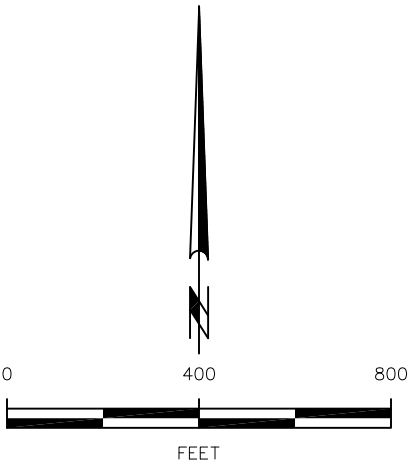
Dec 03, 2020 - 11:30am ESS - T: \\2020\\700-799\\764 Raytheon\\Hydrogeology\\Water Qual\\210-5213.dwg



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 <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
- AT & SF RAILROAD

NOTE: GROUNDWATER SAMPLES COLLECTED AUGUST 2020. ANALYSES PERFORMED BY EUROFINS CALSCIENCE, INC., GARDEN GROVE, CALIFORNIA.



RAYTHEON COMPANY

FULLERTON, CALIFORNIA

1,1-DICHLOROETHYLENE
UNIT B
AUGUST 2020

HARGIS+ASSOCIATES, INC.
Hydrogeology/Engineering

12/20

FIGURE 18

PREP BY AMJ REV BY AMD RPT NO. 764.11 210-5213 A

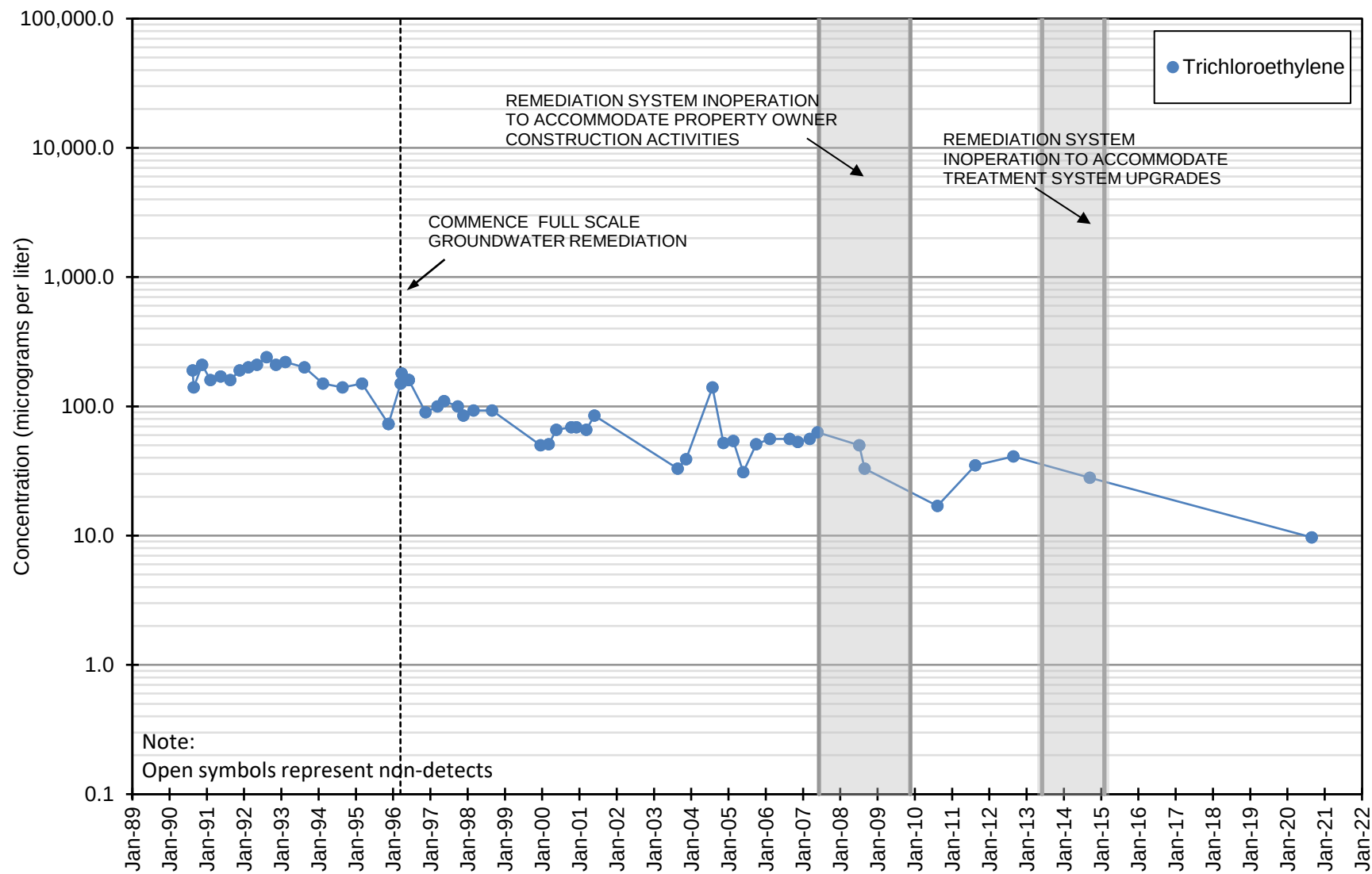


FIGURE 19. TRICHLOROETHYLENE CONCENTRATIONS IN EXTRACTION WELL SE-04

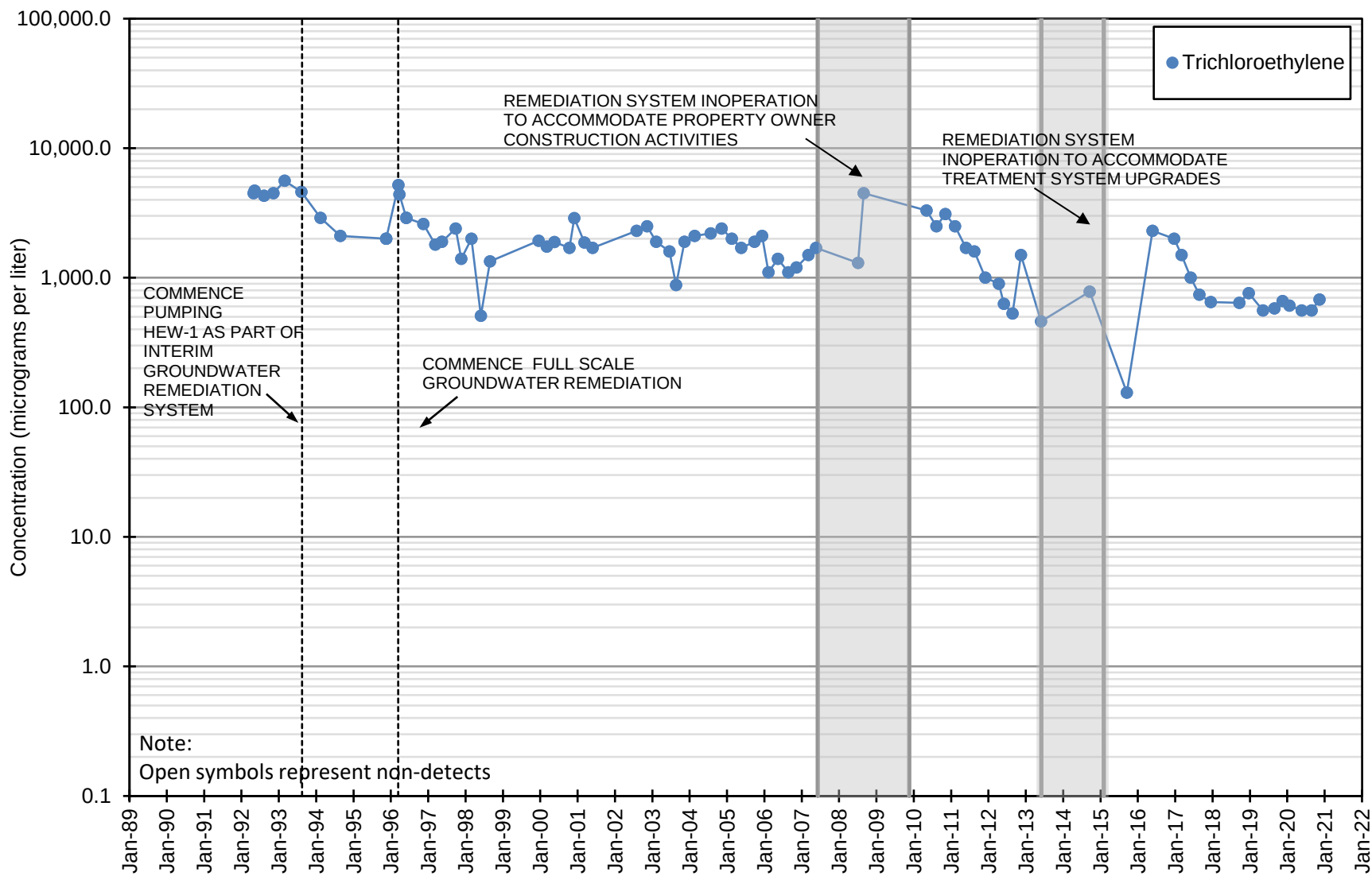


FIGURE 20. TRICHLOROETHYLENE CONCENTRATIONS IN EXTRACTION WELL HEW-01

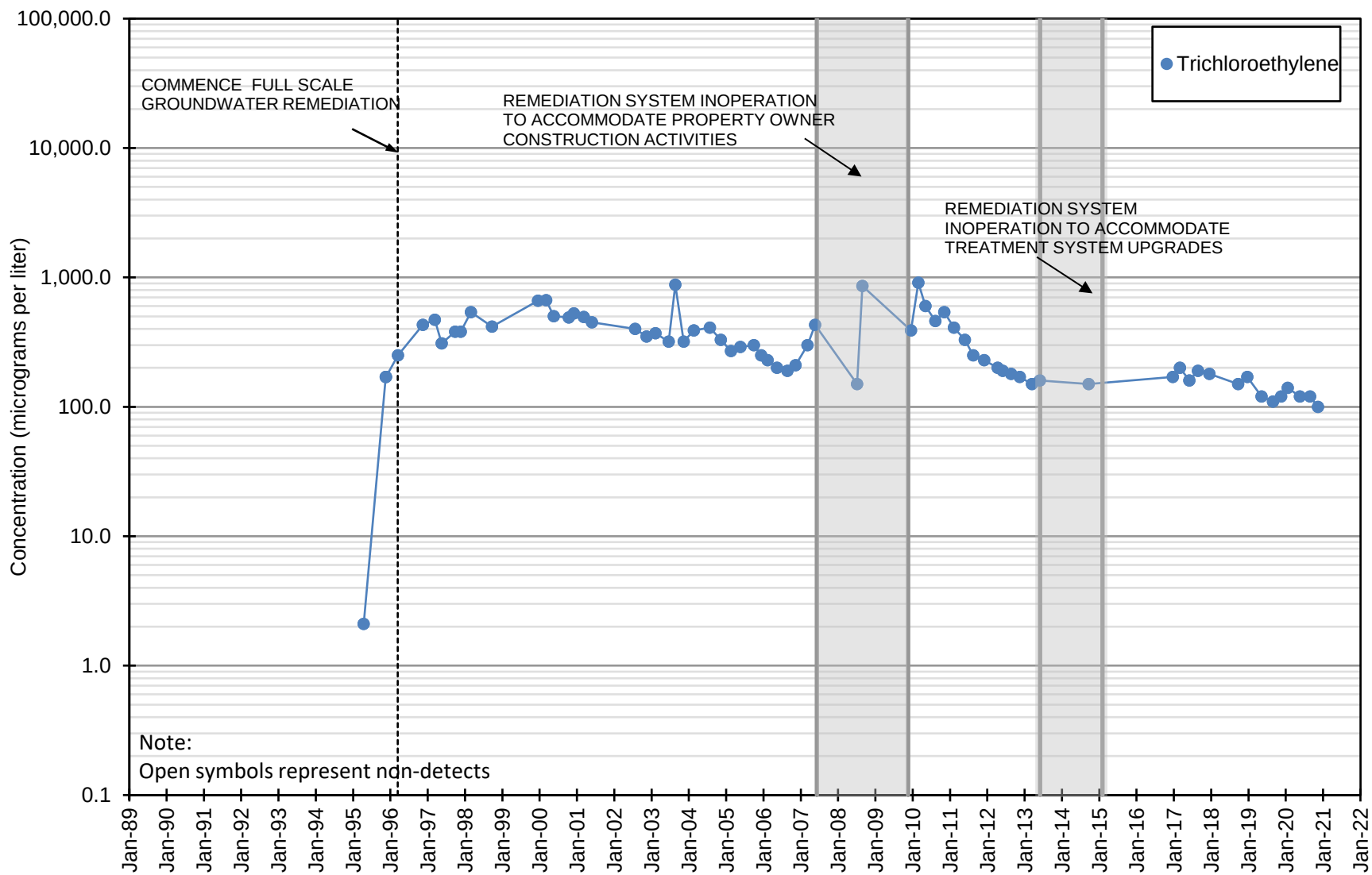


FIGURE 21. TRICHLOROETHYLENE CONCENTRATIONS IN EXTRACTION WELL HEW-02

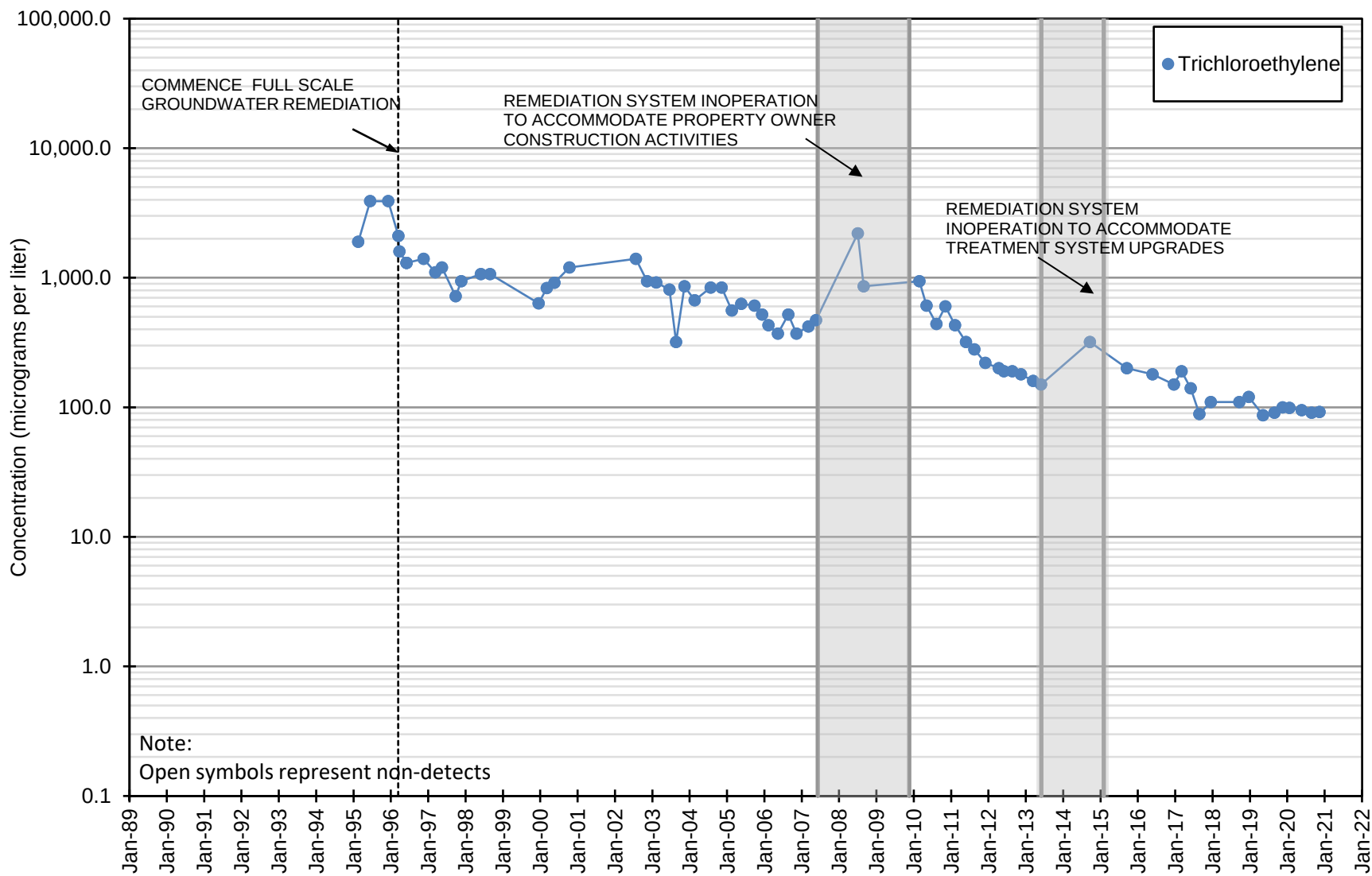


FIGURE 22. TRICHLOROETHYLENE CONCENTRATIONS IN EXTRACTION WELL HEW-03

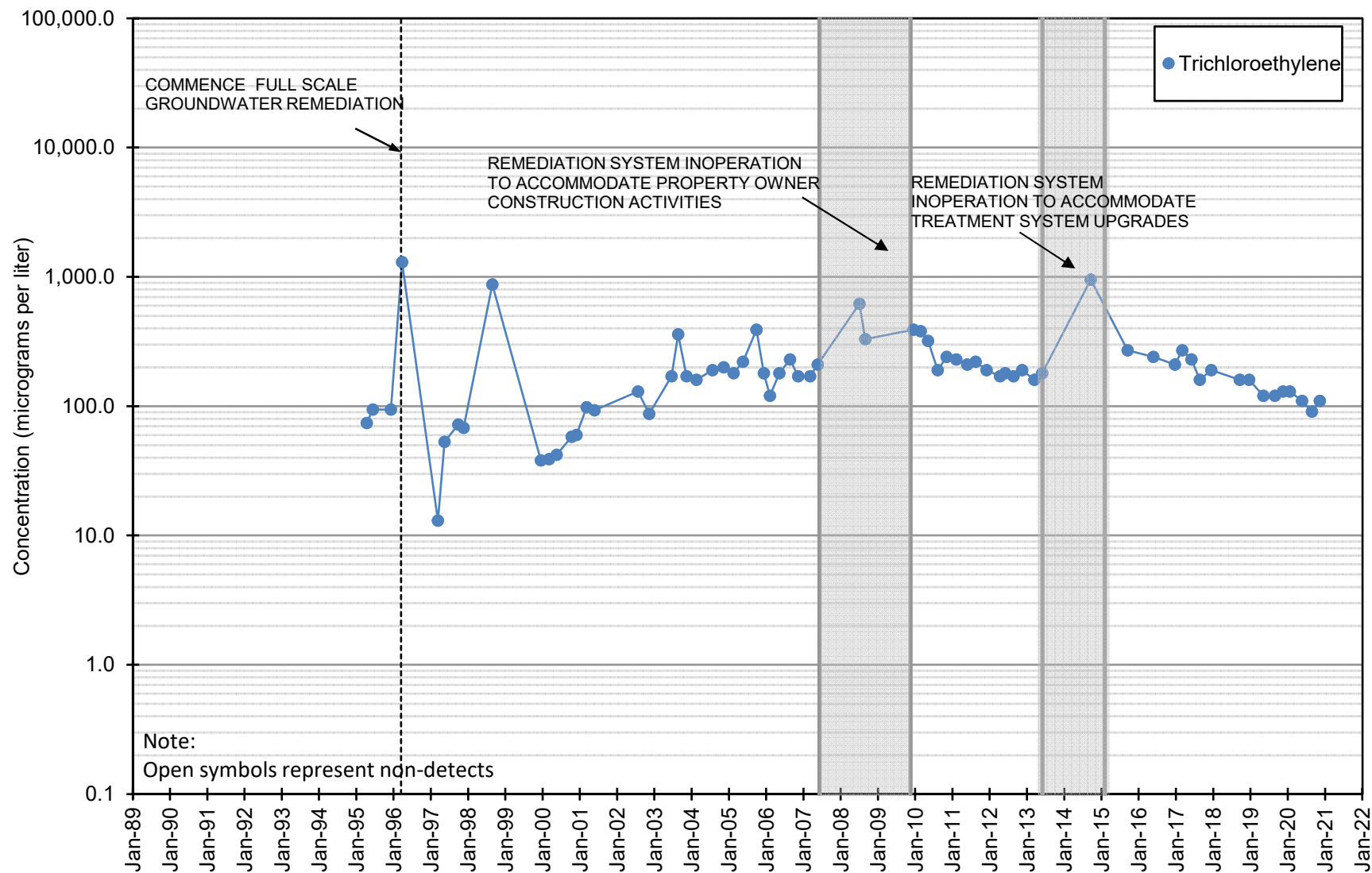


FIGURE 23. TRICHLOROETHYLENE CONCENTRATIONS IN EXTRACTION WELL HEW-04

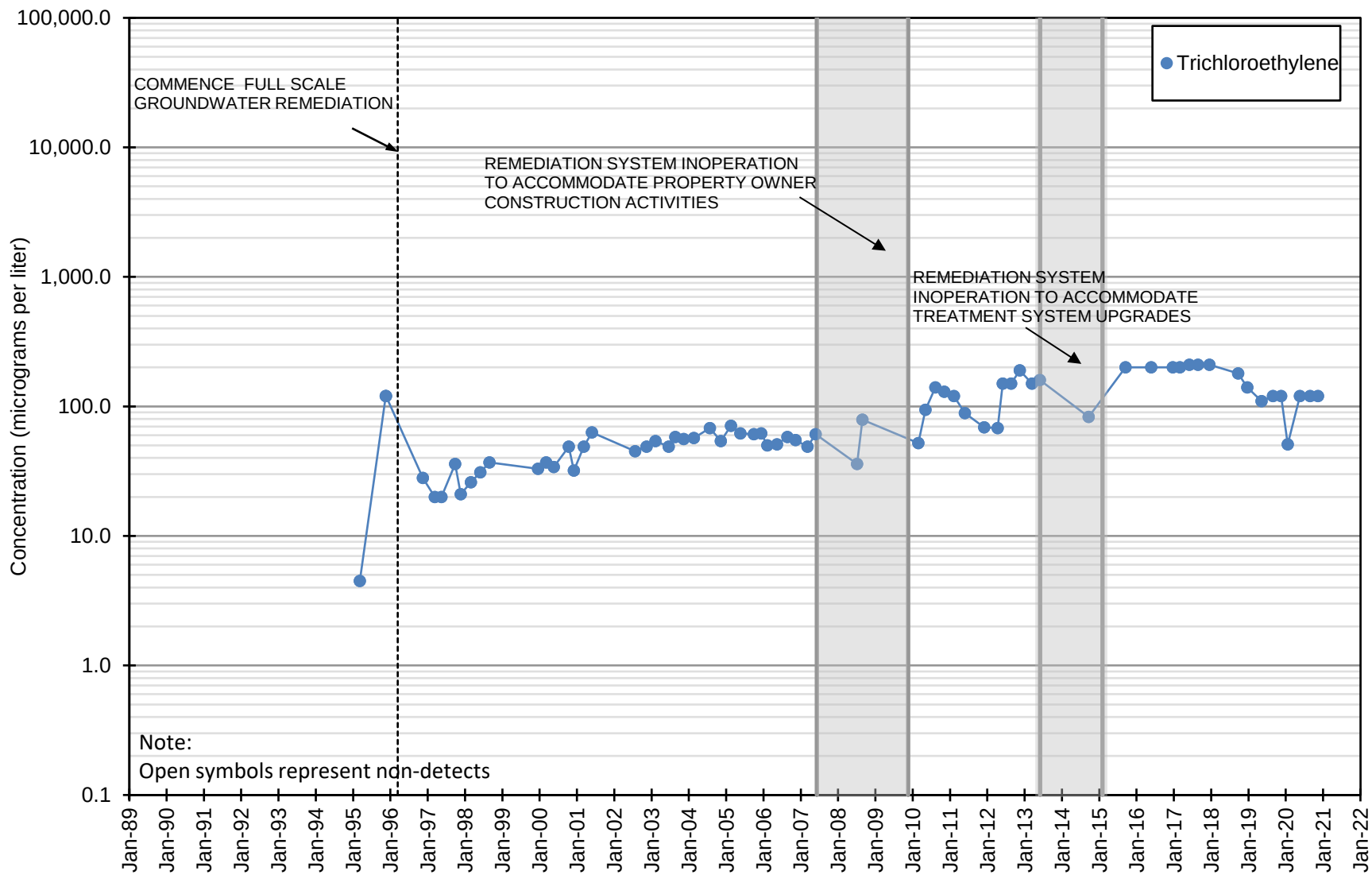


FIGURE 24. TRICHLOROETHYLENE CONCENTRATIONS IN EXTRACTION WELL HEW-05

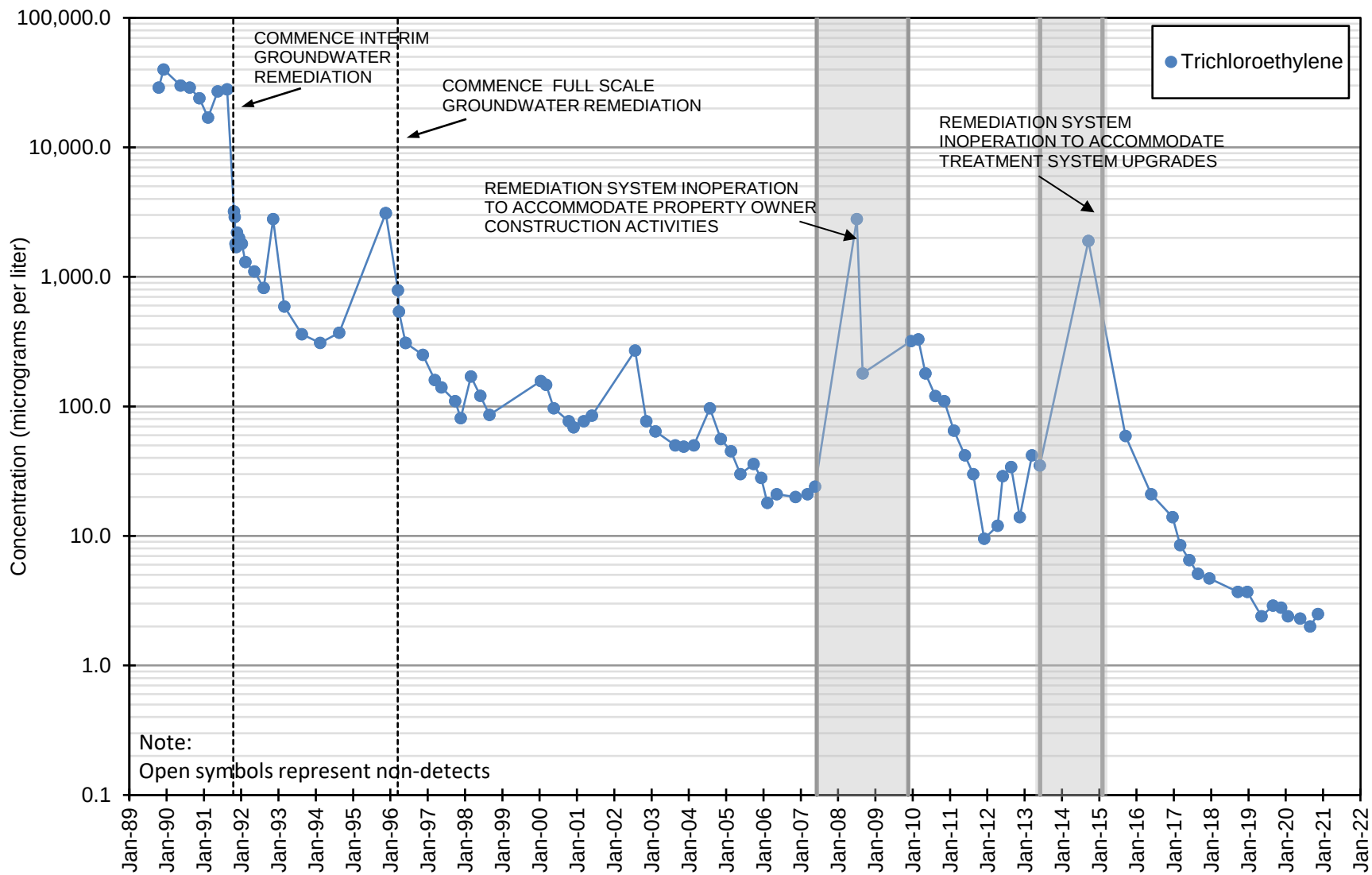


FIGURE 25. TRICHLOROETHYLENE CONCENTRATIONS IN EXTRACTION WELL UAX-01

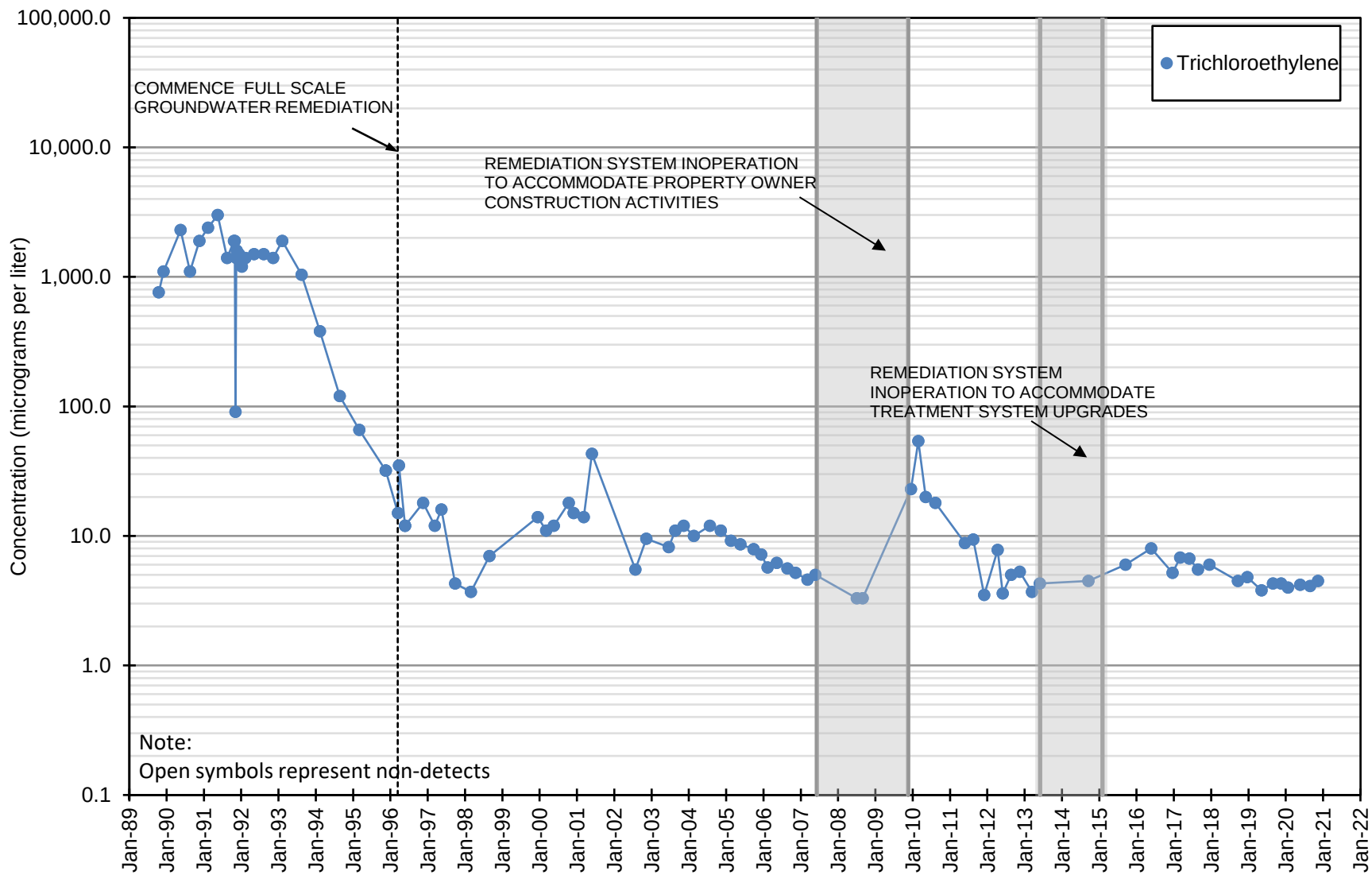


FIGURE 26. TRICHLOROETHYLENE CONCENTRATIONS IN EXTRACTION WELL UAX-02

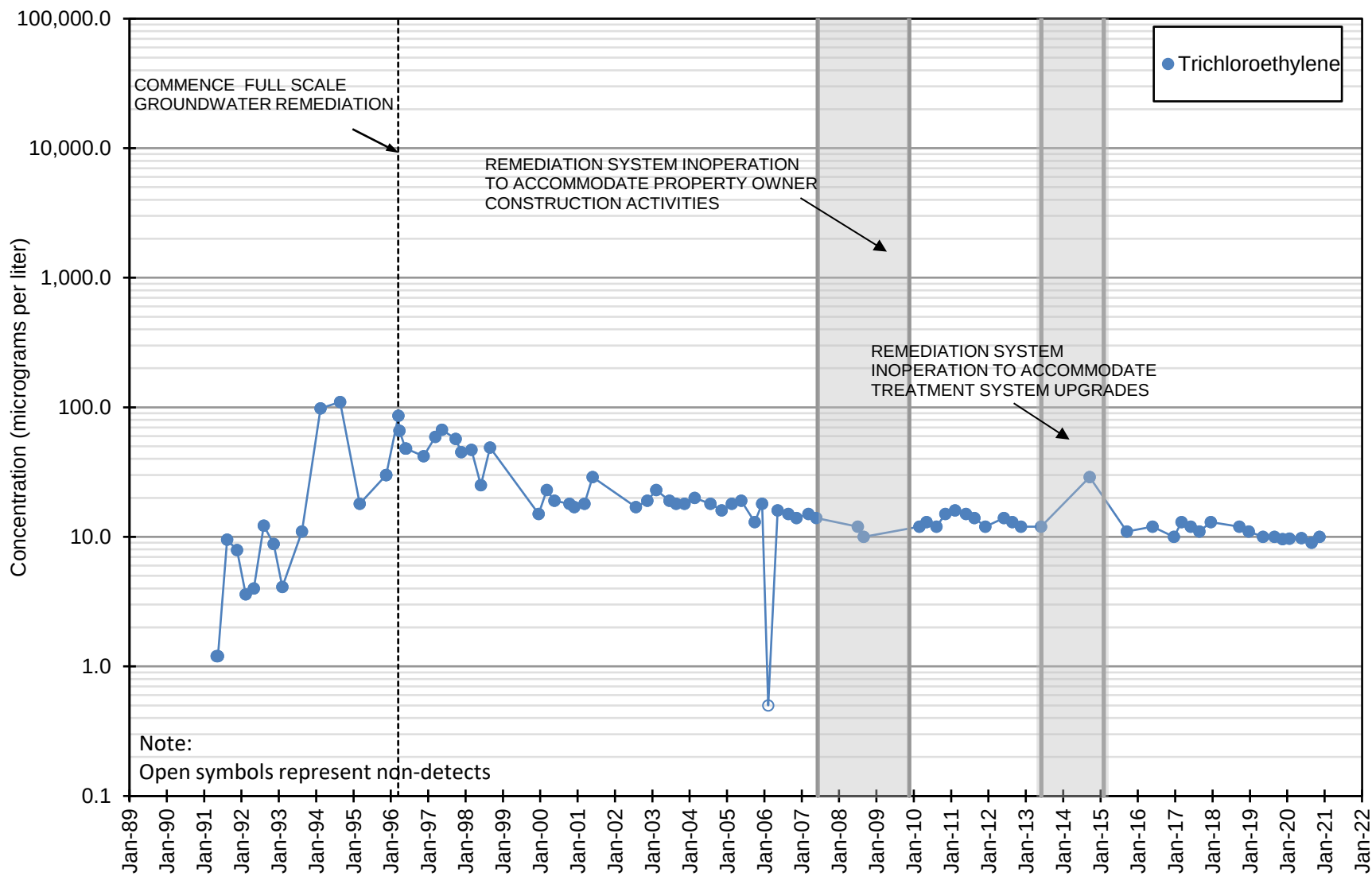


FIGURE 27. TRICHLOROETHYLENE CONCENTRATIONS IN EXTRACTION WELL UAX-03

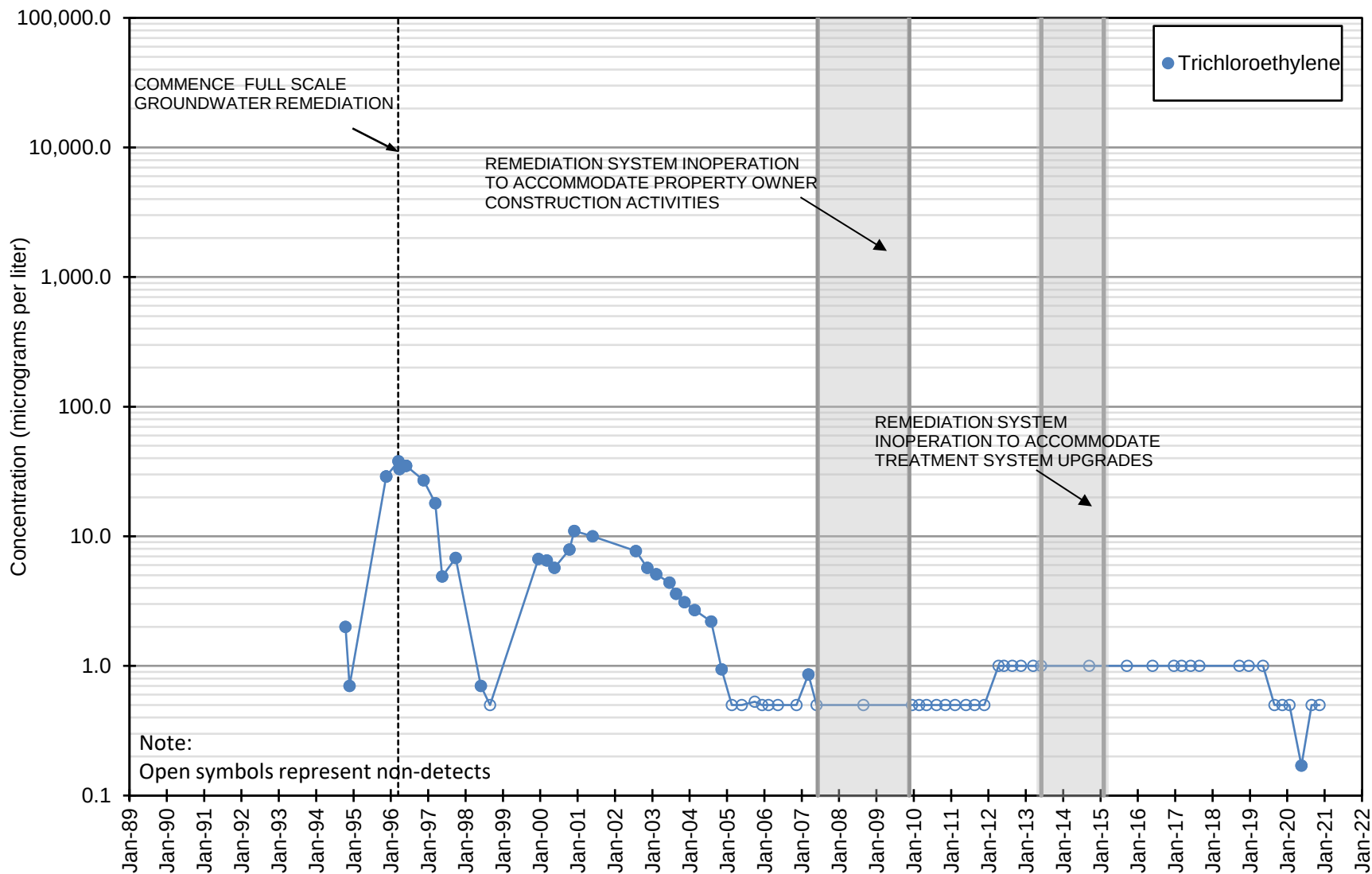


FIGURE 28. TRICHLOROETHYLENE CONCENTRATIONS IN EXTRACTION WELL LAX-01

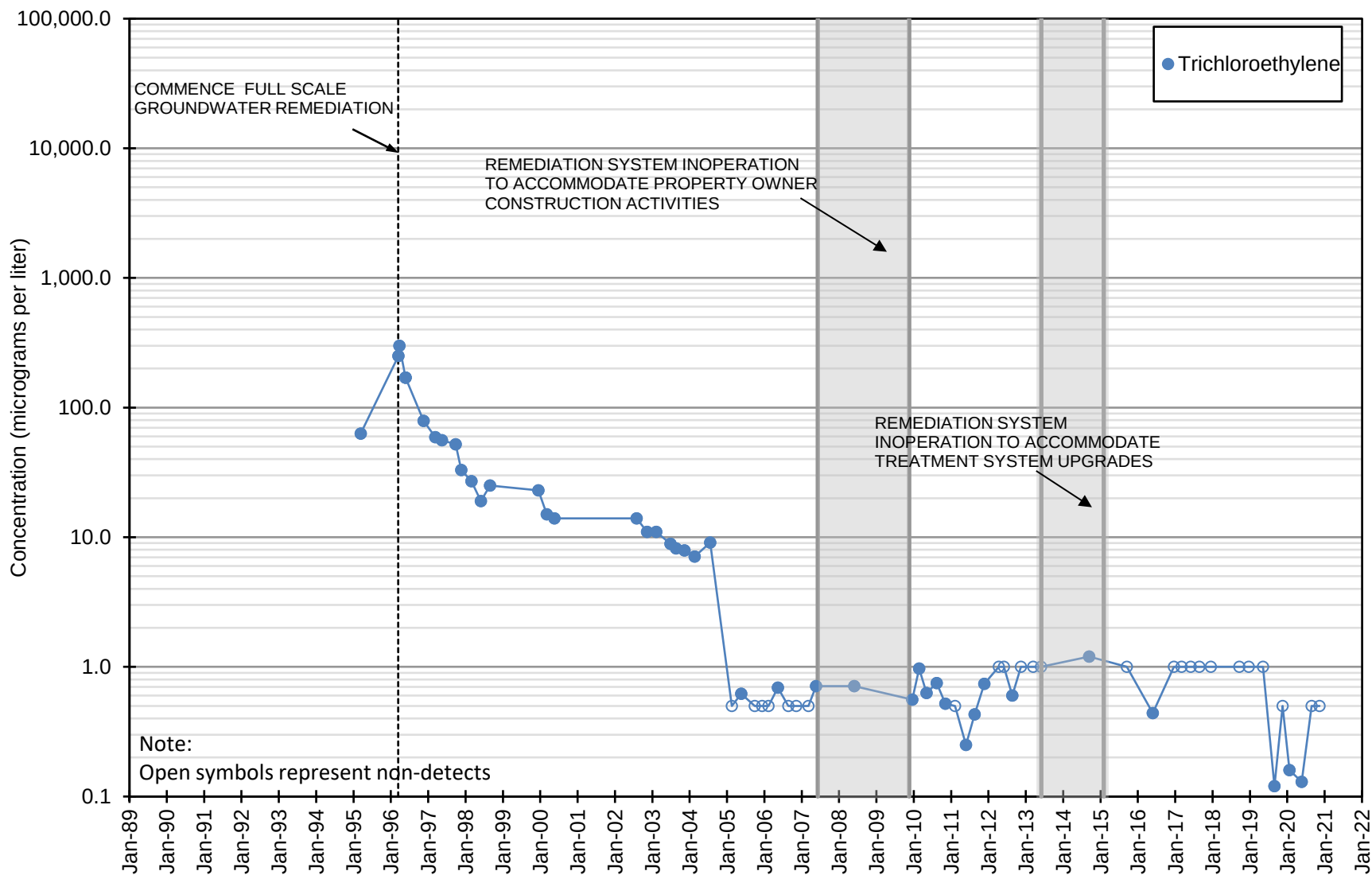


FIGURE 29. TRICHLOROETHYLENE CONCENTRATIONS IN EXTRACTION WELL LAX-02

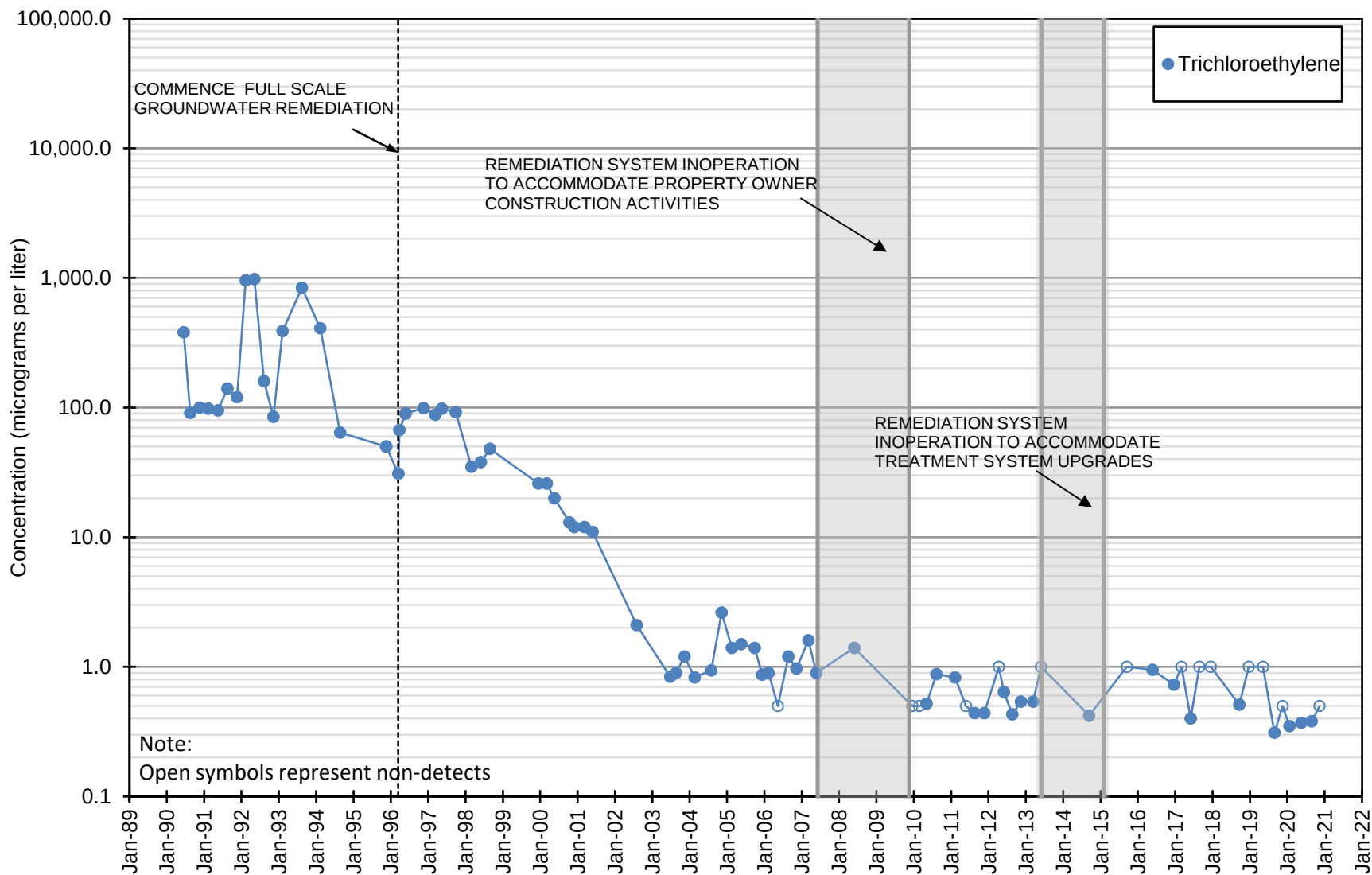
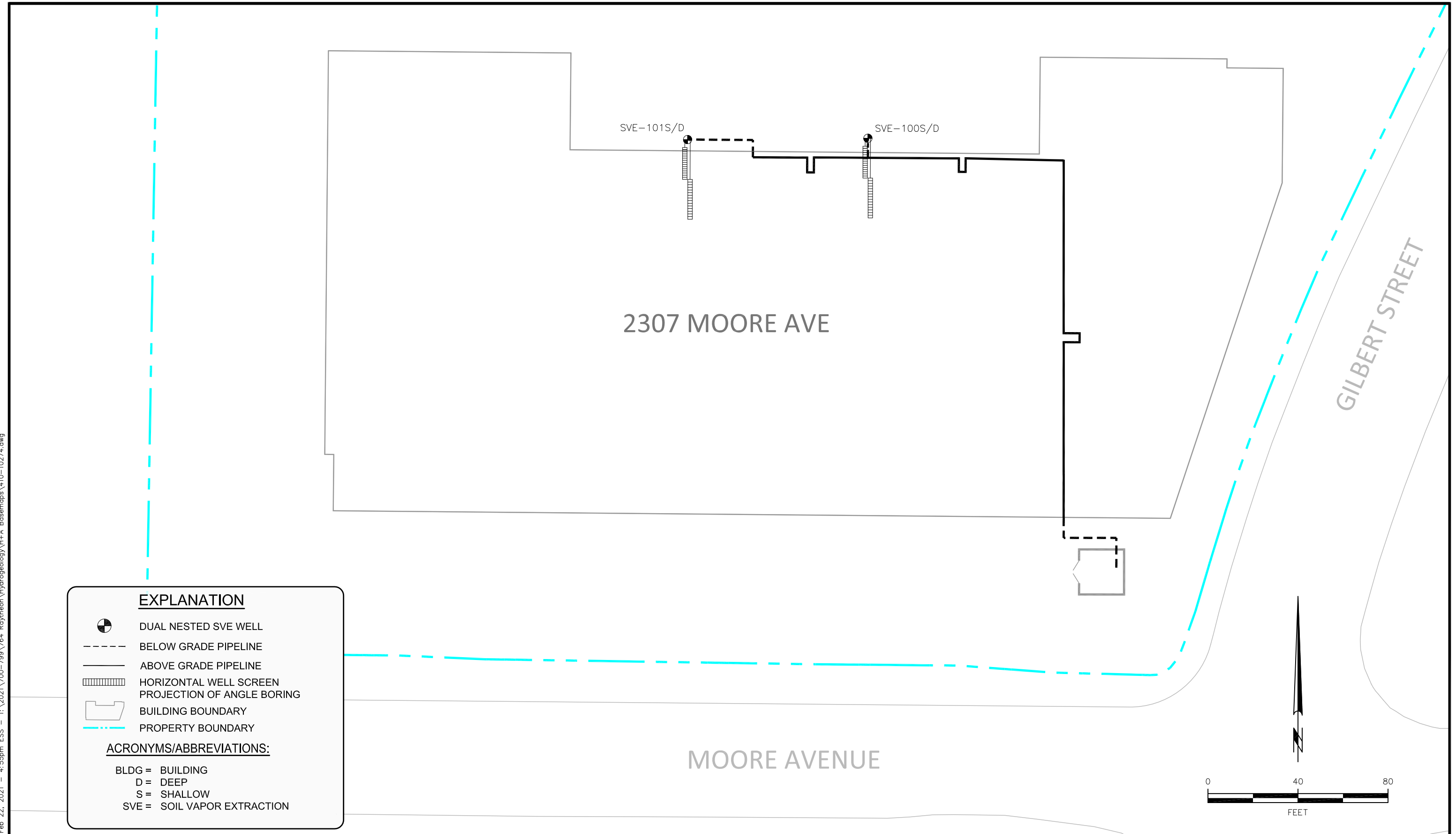


FIGURE 30. TRICHLOROETHYLENE CONCENTRATIONS IN EXTRACTION WELL LAX-03

Feb 22, 2021 - 4:55pm ESS - T: \\2021\\700-799\\764 Raytheon\\Hydrogeology\\H+A Basemaps\\410-10274.dwg



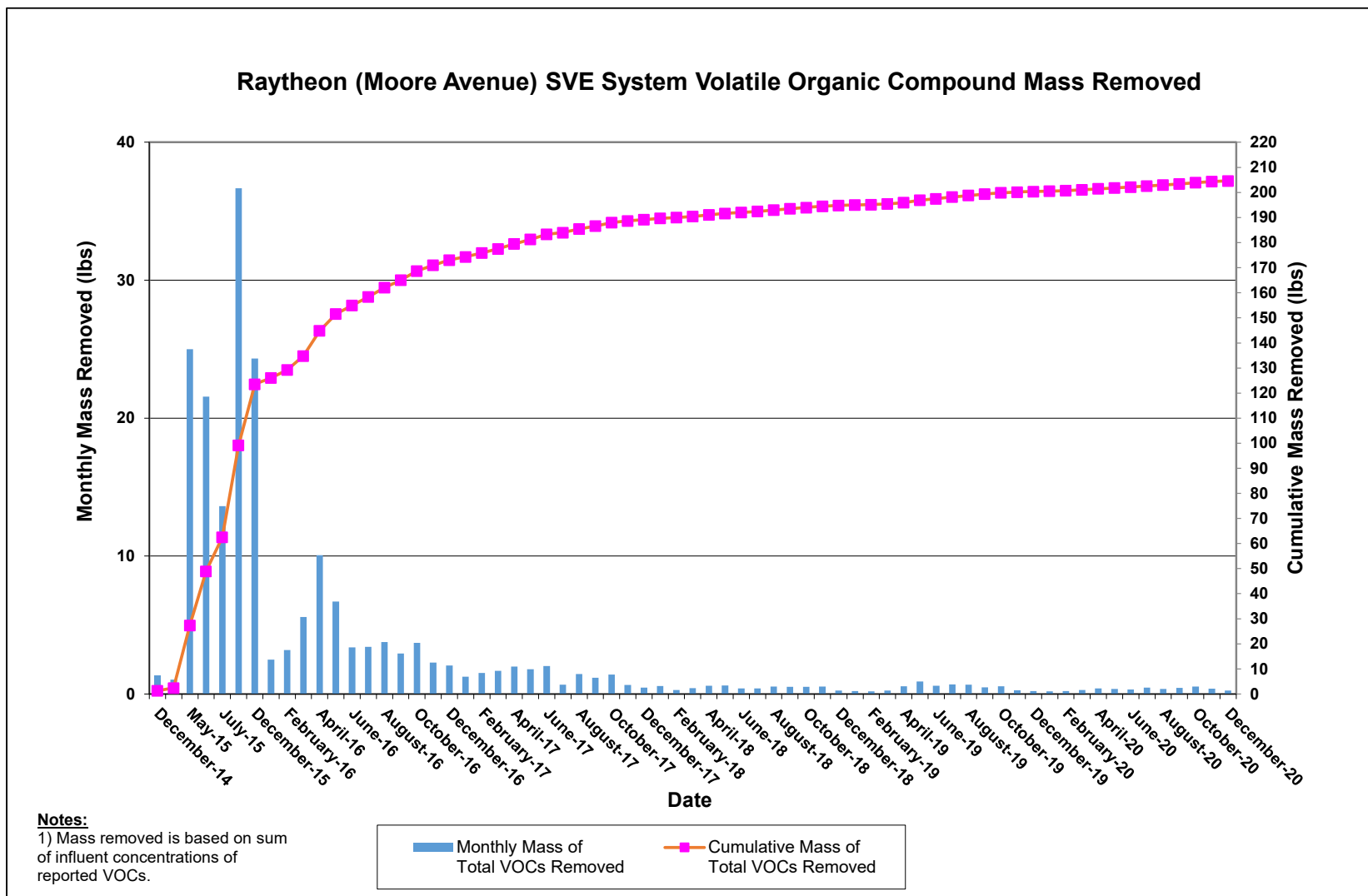


FIGURE 32. SVE SYSTEM CUMULATIVE VOC MASS REMOVED

APPENDIX A
LABORATORY ANALYTICAL DATA

ANALYTICAL REPORT

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

Laboratory Job ID: 570-18811-1

Client Project/Site: Building 684 - Raytheon / 764.10
Revision: 1

For:

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

Attn: Julie Kelly

Virendra R Patel

Authorized for release by:
2/5/2020 3:20:32 PM

Virendra Patel, Project Manager I
(714)895-5494
virendrapatel@eurofinsus.com

The test results in this report meet all 2003 NELAC and 2009 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: 570-18811-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD 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.

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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Case Narrative

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

Job ID: 570-18811-1

Job ID: 570-18811-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative 570-18811-1

Comments

No additional comments.

Receipt

The samples were received on 1/23/2020 6:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.5° C and 1.6° 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 570-46453.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-46961.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 570-46291 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-47276.

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: Building 684 - Raytheon / 764.10

Job ID: 570-18811-1

Client Sample ID: TB-012020

Lab Sample ID: 570-18811-1

No Detections.

Client Sample ID: HEW-02

Lab Sample ID: 570-18811-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.62	J	2.0	0.25	ug/L	4		8260B	Total/NA
Trichloroethene	140		2.0	0.41	ug/L	4		8260B	Total/NA
1,4-Dioxane	0.79		0.50	0.18	ug/L	1		8270C SIM ID	Total/NA

Client Sample ID: HEW-05

Lab Sample ID: 570-18811-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.6	J	2.0	0.41	ug/L	4		8260B	Total/NA
Chloroform	0.30	J	2.0	0.25	ug/L	4		8260B	Total/NA
Trichloroethene	51		2.0	0.41	ug/L	4		8260B	Total/NA
1,4-Dioxane	1.1		0.50	0.18	ug/L	1		8270C SIM ID	Total/NA

Client Sample ID: TB-012120

Lab Sample ID: 570-18811-4

No Detections.

Client Sample ID: UAX-03

Lab Sample ID: 570-18811-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.54	F2	0.50	0.10	ug/L	1		8260B	Total/NA
Acetone	5.5	J	10	4.0	ug/L	1		8260B	Total/NA
Chloroform	0.22	J F1 F2	0.50	0.062	ug/L	1		8260B	Total/NA
Methylene Chloride	0.056	J F2	1.0	0.043	ug/L	1		8260B	Total/NA
Trichloroethene	9.7	F1	0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: HEW-04

Lab Sample ID: 570-18811-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.1	J	2.0	0.41	ug/L	4		8260B	Total/NA
Chloroform	0.27	J	2.0	0.25	ug/L	4		8260B	Total/NA
Tetrachloroethene	1.6	J	2.0	0.97	ug/L	4		8260B	Total/NA
Trichloroethene	130		2.0	0.41	ug/L	4		8260B	Total/NA
1,4-Dioxane	8.2		0.50	0.18	ug/L	1		8270C SIM ID	Total/NA

Client Sample ID: LAX-02

Lab Sample ID: 570-18811-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.6	J	10	4.0	ug/L	1		8260B	Total/NA
Chloroform	0.16	J	0.50	0.062	ug/L	1		8260B	Total/NA
Methylene Chloride	0.059	J	1.0	0.043	ug/L	1		8260B	Total/NA
Trichloroethene	0.16	J	0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: RB-012120

Lab Sample ID: 570-18811-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.8	J	10	4.0	ug/L	1		8260B	Total/NA
Chloroform	0.098	J	0.50	0.062	ug/L	1		8260B	Total/NA
Methylene Chloride	0.15	J	1.0	0.043	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: 570-18811-1

Client Sample ID: LAX-01

Lab Sample ID: 570-18811-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.6	J	10	4.0	ug/L	1		8260B	Total/NA

Client Sample ID: LAX-03

Lab Sample ID: 570-18811-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	23		10	4.0	ug/L	1		8260B	Total/NA
Methylene Chloride	0.050	J	1.0	0.043	ug/L	1		8260B	Total/NA
Trichloroethene	0.35	J	0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: UAX-02

Lab Sample ID: 570-18811-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.13	J	0.50	0.060	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	2.2		0.50	0.10	ug/L	1		8260B	Total/NA
Acetone	4.5	J	10	4.0	ug/L	1		8260B	Total/NA
Trichloroethene	4.0		0.50	0.10	ug/L	1		8260B	Total/NA
1,4-Dioxane	2.2		0.50	0.18	ug/L	1		8270C SIM ID	Total/NA

Client Sample ID: UAX-01

Lab Sample ID: 570-18811-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.9		0.50	0.10	ug/L	1		8260B	Total/NA
Acetone	6.8	J	10	4.0	ug/L	1		8260B	Total/NA
Chloroform	0.088	J	0.50	0.062	ug/L	1		8260B	Total/NA
Trichloroethene	2.4		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: HEW-01

Lab Sample ID: 570-18811-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	3.0	J	10	2.1	ug/L	20		8260B	Total/NA
Chloroform	1.5	J	10	1.2	ug/L	20		8260B	Total/NA
Tetrachloroethene	8.3	J	10	4.8	ug/L	20		8260B	Total/NA
Trichloroethene	620		10	2.0	ug/L	20		8260B	Total/NA
1,4-Dioxane	2.2		0.50	0.18	ug/L	1		8270C SIM ID	Total/NA

Client Sample ID: HEW-0100

Lab Sample ID: 570-18811-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	3.5	J	10	2.1	ug/L	20		8260B	Total/NA
Chloroform	1.6	J	10	1.2	ug/L	20		8260B	Total/NA
Tetrachloroethene	9.1	J	10	4.8	ug/L	20		8260B	Total/NA
Trichloroethene	710		10	2.0	ug/L	20		8260B	Total/NA
1,4-Dioxane	2.4		0.50	0.18	ug/L	1		8270C SIM ID	Total/NA

Client Sample ID: HEW-03

Lab Sample ID: 570-18811-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.1	J	2.0	0.41	ug/L	4		8260B	Total/NA
Chloroform	0.27	J	2.0	0.25	ug/L	4		8260B	Total/NA
Tetrachloroethene	1.7	J	2.0	0.97	ug/L	4		8260B	Total/NA
Trichloroethene	99		2.0	0.41	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: Building 684 - Raytheon / 764.10

Job ID: 570-18811-1

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

Client Sample ID: TB-012020
Date Collected: 01/20/20 08:00
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			01/24/20 15:19	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			01/24/20 15:19	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			01/24/20 15:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			01/24/20 15:19	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			01/24/20 15:19	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			01/24/20 15:19	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			01/24/20 15:19	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			01/24/20 15:19	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			01/24/20 15:19	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			01/24/20 15:19	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			01/24/20 15:19	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			01/24/20 15:19	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			01/24/20 15:19	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			01/24/20 15:19	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			01/24/20 15:19	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			01/24/20 15:19	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			01/24/20 15:19	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			01/24/20 15:19	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			01/24/20 15:19	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			01/24/20 15:19	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			01/24/20 15:19	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			01/24/20 15:19	1
2-Butanone	ND		5.0	0.46	ug/L			01/24/20 15:19	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			01/24/20 15:19	1
2-Hexanone	ND		10	0.50	ug/L			01/24/20 15:19	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			01/24/20 15:19	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			01/24/20 15:19	1
Acetone	ND		10	4.0	ug/L			01/24/20 15:19	1
Benzene	ND		0.50	0.072	ug/L			01/24/20 15:19	1
Bromobenzene	ND		0.50	0.061	ug/L			01/24/20 15:19	1
Bromochloromethane	ND		1.0	0.082	ug/L			01/24/20 15:19	1
Bromodichloromethane	ND		0.50	0.053	ug/L			01/24/20 15:19	1
Bromoform	ND		0.50	0.096	ug/L			01/24/20 15:19	1
Bromomethane	ND		2.0	0.99	ug/L			01/24/20 15:19	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			01/24/20 15:19	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			01/24/20 15:19	1
Carbon disulfide	ND		10	0.39	ug/L			01/24/20 15:19	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			01/24/20 15:19	1
Chlorobenzene	ND		0.50	0.088	ug/L			01/24/20 15:19	1
Chloroethane	ND		0.50	0.12	ug/L			01/24/20 15:19	1
Chloroform	ND		0.50	0.062	ug/L			01/24/20 15:19	1
Chloromethane	ND		5.0	2.0	ug/L			01/24/20 15:19	1
Dibromochloromethane	ND		0.50	0.064	ug/L			01/24/20 15:19	1
Dibromomethane	ND		0.50	0.13	ug/L			01/24/20 15:19	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			01/24/20 15:19	1
Ethylbenzene	ND		0.50	0.087	ug/L			01/24/20 15:19	1
Isopropylbenzene	ND		0.50	0.077	ug/L			01/24/20 15:19	1
Methylene Chloride	ND		1.0	0.043	ug/L			01/24/20 15:19	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			01/24/20 15:19	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: TB-012020
Date Collected: 01/20/20 08:00
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			01/24/20 15:19	1
n-Butylbenzene	ND		0.50	0.11	ug/L			01/24/20 15:19	1
N-Propylbenzene	ND		0.50	0.076	ug/L			01/24/20 15:19	1
o-Xylene	ND		0.50	0.086	ug/L			01/24/20 15:19	1
m,p-Xylene	ND		1.0	0.15	ug/L			01/24/20 15:19	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			01/24/20 15:19	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			01/24/20 15:19	1
Styrene	ND		0.50	0.059	ug/L			01/24/20 15:19	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			01/24/20 15:19	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			01/24/20 15:19	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			01/24/20 15:19	1
Tetrachloroethene	ND		0.50	0.24	ug/L			01/24/20 15:19	1
Toluene	ND		0.50	0.093	ug/L			01/24/20 15:19	1
Trichloroethene	ND		0.50	0.10	ug/L			01/24/20 15:19	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			01/24/20 15:19	1
Vinyl acetate	ND		5.0	0.70	ug/L			01/24/20 15:19	1
Vinyl chloride	ND		0.50	0.078	ug/L			01/24/20 15:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		80 - 128		01/24/20 15:19	1
4-Bromofluorobenzene (Surr)	96		68 - 120		01/24/20 15:19	1
Dibromofluoromethane	110		80 - 127		01/24/20 15:19	1
Toluene-d8 (Surr)	103		80 - 120		01/24/20 15:19	1

Client Sample ID: HEW-02
Date Collected: 01/20/20 12:24
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.28	ug/L			01/24/20 16:13	4
1,1,1-Trichloroethane	ND		2.0	0.34	ug/L			01/24/20 16:13	4
1,1,2,2-Tetrachloroethane	ND		2.0	0.35	ug/L			01/24/20 16:13	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.50	ug/L			01/24/20 16:13	4
1,1,2-Trichloroethane	ND		2.0	0.28	ug/L			01/24/20 16:13	4
1,1-Dichloroethane	ND		2.0	0.24	ug/L			01/24/20 16:13	4
1,1-Dichloroethene	ND		2.0	0.41	ug/L			01/24/20 16:13	4
1,1-Dichloropropene	ND		2.0	0.28	ug/L			01/24/20 16:13	4
1,2,3-Trichlorobenzene	ND		2.0	0.47	ug/L			01/24/20 16:13	4
1,2,3-Trichloropropane	ND		4.0	0.31	ug/L			01/24/20 16:13	4
1,2,4-Trichlorobenzene	ND		2.0	0.36	ug/L			01/24/20 16:13	4
1,2,4-Trimethylbenzene	ND		2.0	0.27	ug/L			01/24/20 16:13	4
1,2-Dibromo-3-Chloropropane	ND		20	2.1	ug/L			01/24/20 16:13	4
1,2-Dibromoethane	ND		2.0	0.24	ug/L			01/24/20 16:13	4
1,2-Dichlorobenzene	ND		2.0	0.33	ug/L			01/24/20 16:13	4
1,2-Dichloroethane	ND		2.0	0.30	ug/L			01/24/20 16:13	4
1,2-Dichloropropane	ND		2.0	0.39	ug/L			01/24/20 16:13	4
1,3,5-Trimethylbenzene	ND		2.0	0.31	ug/L			01/24/20 16:13	4
1,3-Dichlorobenzene	ND		2.0	0.39	ug/L			01/24/20 16:13	4
1,3-Dichloropropane	ND		4.0	0.33	ug/L			01/24/20 16:13	4
1,4-Dichlorobenzene	ND		2.0	0.29	ug/L			01/24/20 16:13	4
2,2-Dichloropropane	ND		4.0	1.5	ug/L			01/24/20 16:13	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: HEW-02
Date Collected: 01/20/20 12:24
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		20	1.8	ug/L			01/24/20 16:13	4
2-Chlorotoluene	ND		2.0	0.23	ug/L			01/24/20 16:13	4
2-Hexanone	ND		40	2.0	ug/L			01/24/20 16:13	4
4-Chlorotoluene	ND		2.0	0.36	ug/L			01/24/20 16:13	4
4-Methyl-2-pentanone	ND		20	1.7	ug/L			01/24/20 16:13	4
Acetone	ND		40	16	ug/L			01/24/20 16:13	4
Benzene	ND		2.0	0.29	ug/L			01/24/20 16:13	4
Bromobenzene	ND		2.0	0.24	ug/L			01/24/20 16:13	4
Bromochloromethane	ND		4.0	0.33	ug/L			01/24/20 16:13	4
Bromodichloromethane	ND		2.0	0.21	ug/L			01/24/20 16:13	4
Bromoform	ND		2.0	0.39	ug/L			01/24/20 16:13	4
Bromomethane	ND		8.0	4.0	ug/L			01/24/20 16:13	4
cis-1,2-Dichloroethene	ND		2.0	0.43	ug/L			01/24/20 16:13	4
cis-1,3-Dichloropropene	ND		2.0	0.38	ug/L			01/24/20 16:13	4
Carbon disulfide	ND		40	1.5	ug/L			01/24/20 16:13	4
Carbon tetrachloride	ND		2.0	0.23	ug/L			01/24/20 16:13	4
Chlorobenzene	ND		2.0	0.35	ug/L			01/24/20 16:13	4
Chloroethane	ND		2.0	0.47	ug/L			01/24/20 16:13	4
Chloroform	0.62	J	2.0	0.25	ug/L			01/24/20 16:13	4
Chloromethane	ND		20	7.8	ug/L			01/24/20 16:13	4
Dibromochloromethane	ND		2.0	0.25	ug/L			01/24/20 16:13	4
Dibromomethane	ND		2.0	0.50	ug/L			01/24/20 16:13	4
Dichlorodifluoromethane	ND		4.0	0.40	ug/L			01/24/20 16:13	4
Ethylbenzene	ND		2.0	0.35	ug/L			01/24/20 16:13	4
Isopropylbenzene	ND		2.0	0.31	ug/L			01/24/20 16:13	4
Methylene Chloride	ND		4.0	0.17	ug/L			01/24/20 16:13	4
Methyl-t-Butyl Ether (MTBE)	ND		2.0	0.27	ug/L			01/24/20 16:13	4
Naphthalene	ND		4.0	0.39	ug/L			01/24/20 16:13	4
n-Butylbenzene	ND		2.0	0.43	ug/L			01/24/20 16:13	4
N-Propylbenzene	ND		2.0	0.31	ug/L			01/24/20 16:13	4
o-Xylene	ND		2.0	0.34	ug/L			01/24/20 16:13	4
m,p-Xylene	ND		4.0	0.59	ug/L			01/24/20 16:13	4
p-Isopropyltoluene	ND		2.0	0.29	ug/L			01/24/20 16:13	4
sec-Butylbenzene	ND		2.0	0.38	ug/L			01/24/20 16:13	4
Styrene	ND		2.0	0.23	ug/L			01/24/20 16:13	4
trans-1,2-Dichloroethene	ND		2.0	0.33	ug/L			01/24/20 16:13	4
trans-1,3-Dichloropropene	ND		2.0	0.21	ug/L			01/24/20 16:13	4
tert-Butylbenzene	ND		2.0	0.33	ug/L			01/24/20 16:13	4
Tetrachloroethene	ND		2.0	0.97	ug/L			01/24/20 16:13	4
Toluene	ND		2.0	0.37	ug/L			01/24/20 16:13	4
Trichloroethene	140		2.0	0.41	ug/L			01/24/20 16:13	4
Trichlorofluoromethane	ND		2.0	0.41	ug/L			01/24/20 16:13	4
Vinyl acetate	ND		20	2.8	ug/L			01/24/20 16:13	4
Vinyl chloride	ND		2.0	0.31	ug/L			01/24/20 16:13	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		80 - 128		01/24/20 16:13	4
4-Bromofluorobenzene (Surr)	97		68 - 120		01/24/20 16:13	4
Dibromofluoromethane	111		80 - 127		01/24/20 16:13	4
Toluene-d8 (Surr)	104		80 - 120		01/24/20 16:13	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: HEW-05
Date Collected: 01/20/20 12:49
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.28	ug/L			01/24/20 16:40	4
1,1,1-Trichloroethane	ND		2.0	0.34	ug/L			01/24/20 16:40	4
1,1,2,2-Tetrachloroethane	ND		2.0	0.35	ug/L			01/24/20 16:40	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.50	ug/L			01/24/20 16:40	4
1,1,2-Trichloroethane	ND		2.0	0.28	ug/L			01/24/20 16:40	4
1,1-Dichloroethane	ND		2.0	0.24	ug/L			01/24/20 16:40	4
1,1-Dichloroethene	1.6	J	2.0	0.41	ug/L			01/24/20 16:40	4
1,1-Dichloropropene	ND		2.0	0.28	ug/L			01/24/20 16:40	4
1,2,3-Trichlorobenzene	ND		2.0	0.47	ug/L			01/24/20 16:40	4
1,2,3-Trichloropropane	ND		4.0	0.31	ug/L			01/24/20 16:40	4
1,2,4-Trichlorobenzene	ND		2.0	0.36	ug/L			01/24/20 16:40	4
1,2,4-Trimethylbenzene	ND		2.0	0.27	ug/L			01/24/20 16:40	4
1,2-Dibromo-3-Chloropropane	ND		20	2.1	ug/L			01/24/20 16:40	4
1,2-Dibromoethane	ND		2.0	0.24	ug/L			01/24/20 16:40	4
1,2-Dichlorobenzene	ND		2.0	0.33	ug/L			01/24/20 16:40	4
1,2-Dichloroethane	ND		2.0	0.30	ug/L			01/24/20 16:40	4
1,2-Dichloropropane	ND		2.0	0.39	ug/L			01/24/20 16:40	4
1,3,5-Trimethylbenzene	ND		2.0	0.31	ug/L			01/24/20 16:40	4
1,3-Dichlorobenzene	ND		2.0	0.39	ug/L			01/24/20 16:40	4
1,3-Dichloropropane	ND		4.0	0.33	ug/L			01/24/20 16:40	4
1,4-Dichlorobenzene	ND		2.0	0.29	ug/L			01/24/20 16:40	4
2,2-Dichloropropane	ND		4.0	1.5	ug/L			01/24/20 16:40	4
2-Butanone	ND		20	1.8	ug/L			01/24/20 16:40	4
2-Chlorotoluene	ND		2.0	0.23	ug/L			01/24/20 16:40	4
2-Hexanone	ND		40	2.0	ug/L			01/24/20 16:40	4
4-Chlorotoluene	ND		2.0	0.36	ug/L			01/24/20 16:40	4
4-Methyl-2-pentanone	ND		20	1.7	ug/L			01/24/20 16:40	4
Acetone	ND		40	16	ug/L			01/24/20 16:40	4
Benzene	ND		2.0	0.29	ug/L			01/24/20 16:40	4
Bromobenzene	ND		2.0	0.24	ug/L			01/24/20 16:40	4
Bromochloromethane	ND		4.0	0.33	ug/L			01/24/20 16:40	4
Bromodichloromethane	ND		2.0	0.21	ug/L			01/24/20 16:40	4
Bromoform	ND		2.0	0.39	ug/L			01/24/20 16:40	4
Bromomethane	ND		8.0	4.0	ug/L			01/24/20 16:40	4
cis-1,2-Dichloroethene	ND		2.0	0.43	ug/L			01/24/20 16:40	4
cis-1,3-Dichloropropene	ND		2.0	0.38	ug/L			01/24/20 16:40	4
Carbon disulfide	ND		40	1.5	ug/L			01/24/20 16:40	4
Carbon tetrachloride	ND		2.0	0.23	ug/L			01/24/20 16:40	4
Chlorobenzene	ND		2.0	0.35	ug/L			01/24/20 16:40	4
Chloroethane	ND		2.0	0.47	ug/L			01/24/20 16:40	4
Chloroform	0.30	J	2.0	0.25	ug/L			01/24/20 16:40	4
Chloromethane	ND		20	7.8	ug/L			01/24/20 16:40	4
Dibromochloromethane	ND		2.0	0.25	ug/L			01/24/20 16:40	4
Dibromomethane	ND		2.0	0.50	ug/L			01/24/20 16:40	4
Dichlorodifluoromethane	ND		4.0	0.40	ug/L			01/24/20 16:40	4
Ethylbenzene	ND		2.0	0.35	ug/L			01/24/20 16:40	4
Isopropylbenzene	ND		2.0	0.31	ug/L			01/24/20 16:40	4
Methylene Chloride	ND		4.0	0.17	ug/L			01/24/20 16:40	4
Methyl-t-Butyl Ether (MTBE)	ND		2.0	0.27	ug/L			01/24/20 16:40	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: HEW-05
Date Collected: 01/20/20 12:49
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.0	0.39	ug/L			01/24/20 16:40	4
n-Butylbenzene	ND		2.0	0.43	ug/L			01/24/20 16:40	4
N-Propylbenzene	ND		2.0	0.31	ug/L			01/24/20 16:40	4
o-Xylene	ND		2.0	0.34	ug/L			01/24/20 16:40	4
m,p-Xylene	ND		4.0	0.59	ug/L			01/24/20 16:40	4
p-Isopropyltoluene	ND		2.0	0.29	ug/L			01/24/20 16:40	4
sec-Butylbenzene	ND		2.0	0.38	ug/L			01/24/20 16:40	4
Styrene	ND		2.0	0.23	ug/L			01/24/20 16:40	4
trans-1,2-Dichloroethene	ND		2.0	0.33	ug/L			01/24/20 16:40	4
trans-1,3-Dichloropropene	ND		2.0	0.21	ug/L			01/24/20 16:40	4
tert-Butylbenzene	ND		2.0	0.33	ug/L			01/24/20 16:40	4
Tetrachloroethene	ND		2.0	0.97	ug/L			01/24/20 16:40	4
Toluene	ND		2.0	0.37	ug/L			01/24/20 16:40	4
Trichloroethene	51		2.0	0.41	ug/L			01/24/20 16:40	4
Trichlorofluoromethane	ND		2.0	0.41	ug/L			01/24/20 16:40	4
Vinyl acetate	ND		20	2.8	ug/L			01/24/20 16:40	4
Vinyl chloride	ND		2.0	0.31	ug/L			01/24/20 16:40	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		80 - 128		01/24/20 16:40	4
4-Bromofluorobenzene (Surr)	96		68 - 120		01/24/20 16:40	4
Dibromofluoromethane	112		80 - 127		01/24/20 16:40	4
Toluene-d8 (Surr)	104		80 - 120		01/24/20 16:40	4

Client Sample ID: TB-012120
Date Collected: 01/21/20 08:00
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			01/24/20 15:46	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			01/24/20 15:46	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			01/24/20 15:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			01/24/20 15:46	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			01/24/20 15:46	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			01/24/20 15:46	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			01/24/20 15:46	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			01/24/20 15:46	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			01/24/20 15:46	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			01/24/20 15:46	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			01/24/20 15:46	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			01/24/20 15:46	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			01/24/20 15:46	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			01/24/20 15:46	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			01/24/20 15:46	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			01/24/20 15:46	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			01/24/20 15:46	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			01/24/20 15:46	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			01/24/20 15:46	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			01/24/20 15:46	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			01/24/20 15:46	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			01/24/20 15:46	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: TB-012120
Date Collected: 01/21/20 08:00
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			01/24/20 15:46	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			01/24/20 15:46	1
2-Hexanone	ND		10	0.50	ug/L			01/24/20 15:46	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			01/24/20 15:46	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			01/24/20 15:46	1
Acetone	ND		10	4.0	ug/L			01/24/20 15:46	1
Benzene	ND		0.50	0.072	ug/L			01/24/20 15:46	1
Bromobenzene	ND		0.50	0.061	ug/L			01/24/20 15:46	1
Bromochloromethane	ND		1.0	0.082	ug/L			01/24/20 15:46	1
Bromodichloromethane	ND		0.50	0.053	ug/L			01/24/20 15:46	1
Bromoform	ND		0.50	0.096	ug/L			01/24/20 15:46	1
Bromomethane	ND		2.0	0.99	ug/L			01/24/20 15:46	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			01/24/20 15:46	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			01/24/20 15:46	1
Carbon disulfide	ND		10	0.39	ug/L			01/24/20 15:46	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			01/24/20 15:46	1
Chlorobenzene	ND		0.50	0.088	ug/L			01/24/20 15:46	1
Chloroethane	ND		0.50	0.12	ug/L			01/24/20 15:46	1
Chloroform	ND		0.50	0.062	ug/L			01/24/20 15:46	1
Chloromethane	ND		5.0	2.0	ug/L			01/24/20 15:46	1
Dibromochloromethane	ND		0.50	0.064	ug/L			01/24/20 15:46	1
Dibromomethane	ND		0.50	0.13	ug/L			01/24/20 15:46	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			01/24/20 15:46	1
Ethylbenzene	ND		0.50	0.087	ug/L			01/24/20 15:46	1
Isopropylbenzene	ND		0.50	0.077	ug/L			01/24/20 15:46	1
Methylene Chloride	ND		1.0	0.043	ug/L			01/24/20 15:46	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			01/24/20 15:46	1
Naphthalene	ND		1.0	0.097	ug/L			01/24/20 15:46	1
n-Butylbenzene	ND		0.50	0.11	ug/L			01/24/20 15:46	1
N-Propylbenzene	ND		0.50	0.076	ug/L			01/24/20 15:46	1
o-Xylene	ND		0.50	0.086	ug/L			01/24/20 15:46	1
m,p-Xylene	ND		1.0	0.15	ug/L			01/24/20 15:46	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			01/24/20 15:46	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			01/24/20 15:46	1
Styrene	ND		0.50	0.059	ug/L			01/24/20 15:46	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			01/24/20 15:46	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			01/24/20 15:46	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			01/24/20 15:46	1
Tetrachloroethene	ND		0.50	0.24	ug/L			01/24/20 15:46	1
Toluene	ND		0.50	0.093	ug/L			01/24/20 15:46	1
Trichloroethene	ND		0.50	0.10	ug/L			01/24/20 15:46	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			01/24/20 15:46	1
Vinyl acetate	ND		5.0	0.70	ug/L			01/24/20 15:46	1
Vinyl chloride	ND		0.50	0.078	ug/L			01/24/20 15:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 128		01/24/20 15:46	1
4-Bromofluorobenzene (Surr)	97		68 - 120		01/24/20 15:46	1
Dibromofluoromethane	109		80 - 127		01/24/20 15:46	1
Toluene-d8 (Surr)	102		80 - 120		01/24/20 15:46	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: UAX-03

Date Collected: 01/21/20 08:44

Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	F1 F2	0.50	0.070	ug/L			01/24/20 13:32	1
1,1,1-Trichloroethane	ND	F1 F2	0.50	0.084	ug/L			01/24/20 13:32	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			01/24/20 13:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F2	0.50	0.13	ug/L			01/24/20 13:32	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			01/24/20 13:32	1
1,1-Dichloroethane	ND	F2	0.50	0.060	ug/L			01/24/20 13:32	1
1,1-Dichloroethene	0.54	F2	0.50	0.10	ug/L			01/24/20 13:32	1
1,1-Dichloropropene	ND	F1 F2	0.50	0.070	ug/L			01/24/20 13:32	1
1,2,3-Trichlorobenzene	ND	F1 F2	0.50	0.12	ug/L			01/24/20 13:32	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			01/24/20 13:32	1
1,2,4-Trichlorobenzene	ND	F1 F2	0.50	0.089	ug/L			01/24/20 13:32	1
1,2,4-Trimethylbenzene	ND	F1 F2	0.50	0.068	ug/L			01/24/20 13:32	1
1,2-Dibromo-3-Chloropropane	ND	F1	5.0	0.51	ug/L			01/24/20 13:32	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			01/24/20 13:32	1
1,2-Dichlorobenzene	ND	F1 F2	0.50	0.082	ug/L			01/24/20 13:32	1
1,2-Dichloroethane	ND	F2	0.50	0.075	ug/L			01/24/20 13:32	1
1,2-Dichloropropane	ND	F1 F2	0.50	0.099	ug/L			01/24/20 13:32	1
1,3,5-Trimethylbenzene	ND	F1 F2	0.50	0.079	ug/L			01/24/20 13:32	1
1,3-Dichlorobenzene	ND	F1 F2	0.50	0.098	ug/L			01/24/20 13:32	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			01/24/20 13:32	1
1,4-Dichlorobenzene	ND	F1 F2	0.50	0.073	ug/L			01/24/20 13:32	1
2,2-Dichloropropane	ND	F2	1.0	0.38	ug/L			01/24/20 13:32	1
2-Butanone	ND		5.0	0.46	ug/L			01/24/20 13:32	1
2-Chlorotoluene	ND	F1 F2	0.50	0.058	ug/L			01/24/20 13:32	1
2-Hexanone	ND		10	0.50	ug/L			01/24/20 13:32	1
4-Chlorotoluene	ND	F1 F2	0.50	0.091	ug/L			01/24/20 13:32	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			01/24/20 13:32	1
Acetone	5.5	J	10	4.0	ug/L			01/24/20 13:32	1
Benzene	ND	F1 F2	0.50	0.072	ug/L			01/24/20 13:32	1
Bromobenzene	ND	F1 F2	0.50	0.061	ug/L			01/24/20 13:32	1
Bromochloromethane	ND		1.0	0.082	ug/L			01/24/20 13:32	1
Bromodichloromethane	ND	F1 F2	0.50	0.053	ug/L			01/24/20 13:32	1
Bromoform	ND		0.50	0.096	ug/L			01/24/20 13:32	1
Bromomethane	ND		2.0	0.99	ug/L			01/24/20 13:32	1
cis-1,2-Dichloroethene	ND	F1 F2	0.50	0.11	ug/L			01/24/20 13:32	1
cis-1,3-Dichloropropene	ND	F1 F2	0.50	0.096	ug/L			01/24/20 13:32	1
Carbon disulfide	ND	F2	10	0.39	ug/L			01/24/20 13:32	1
Carbon tetrachloride	ND	F1 F2	0.50	0.057	ug/L			01/24/20 13:32	1
Chlorobenzene	ND	F1 F2	0.50	0.088	ug/L			01/24/20 13:32	1
Chloroethane	ND	F2	0.50	0.12	ug/L			01/24/20 13:32	1
Chloroform	0.22	J F1 F2	0.50	0.062	ug/L			01/24/20 13:32	1
Chloromethane	ND	F2	5.0	2.0	ug/L			01/24/20 13:32	1
Dibromochloromethane	ND	F1 F2	0.50	0.064	ug/L			01/24/20 13:32	1
Dibromomethane	ND		0.50	0.13	ug/L			01/24/20 13:32	1
Dichlorodifluoromethane	ND	F2	1.0	0.099	ug/L			01/24/20 13:32	1
Ethylbenzene	ND	F1 F2	0.50	0.087	ug/L			01/24/20 13:32	1
Isopropylbenzene	ND	F1 F2	0.50	0.077	ug/L			01/24/20 13:32	1
Methylene Chloride	0.056	J F2	1.0	0.043	ug/L			01/24/20 13:32	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			01/24/20 13:32	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: UAX-03
Date Collected: 01/21/20 08:44
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	F2	1.0	0.097	ug/L			01/24/20 13:32	1
n-Butylbenzene	ND	F1 F2	0.50	0.11	ug/L			01/24/20 13:32	1
N-Propylbenzene	ND	F1 F2	0.50	0.076	ug/L			01/24/20 13:32	1
o-Xylene	ND	F1 F2	0.50	0.086	ug/L			01/24/20 13:32	1
m,p-Xylene	ND	F1 F2	1.0	0.15	ug/L			01/24/20 13:32	1
p-Isopropyltoluene	ND	F1 F2	0.50	0.074	ug/L			01/24/20 13:32	1
sec-Butylbenzene	ND	F1 F2	0.50	0.095	ug/L			01/24/20 13:32	1
Styrene	ND	F2	0.50	0.059	ug/L			01/24/20 13:32	1
trans-1,2-Dichloroethene	ND	F1 F2	0.50	0.082	ug/L			01/24/20 13:32	1
trans-1,3-Dichloropropene	ND	F1	0.50	0.053	ug/L			01/24/20 13:32	1
tert-Butylbenzene	ND	F1 F2	0.50	0.082	ug/L			01/24/20 13:32	1
Tetrachloroethene	ND	F2	0.50	0.24	ug/L			01/24/20 13:32	1
Toluene	ND	F1 F2	0.50	0.093	ug/L			01/24/20 13:32	1
Trichloroethene	9.7	F1	0.50	0.10	ug/L			01/24/20 13:32	1
Trichlorofluoromethane	ND	F2	0.50	0.10	ug/L			01/24/20 13:32	1
Vinyl acetate	ND		5.0	0.70	ug/L			01/24/20 13:32	1
Vinyl chloride	ND	F2	0.50	0.078	ug/L			01/24/20 13:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		80 - 128		01/24/20 13:32	1
4-Bromofluorobenzene (Surr)	99		68 - 120		01/24/20 13:32	1
Dibromofluoromethane	111		80 - 127		01/24/20 13:32	1
Toluene-d8 (Surr)	103		80 - 120		01/24/20 13:32	1

Client Sample ID: HEW-04
Date Collected: 01/21/20 09:11
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.28	ug/L			01/24/20 17:07	4
1,1,1-Trichloroethane	ND		2.0	0.34	ug/L			01/24/20 17:07	4
1,1,2,2-Tetrachloroethane	ND		2.0	0.35	ug/L			01/24/20 17:07	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.50	ug/L			01/24/20 17:07	4
1,1,2-Trichloroethane	ND		2.0	0.28	ug/L			01/24/20 17:07	4
1,1-Dichloroethane	ND		2.0	0.24	ug/L			01/24/20 17:07	4
1,1-Dichloroethene	1.1	J	2.0	0.41	ug/L			01/24/20 17:07	4
1,1-Dichloropropene	ND		2.0	0.28	ug/L			01/24/20 17:07	4
1,2,3-Trichlorobenzene	ND		2.0	0.47	ug/L			01/24/20 17:07	4
1,2,3-Trichloropropane	ND		4.0	0.31	ug/L			01/24/20 17:07	4
1,2,4-Trichlorobenzene	ND		2.0	0.36	ug/L			01/24/20 17:07	4
1,2,4-Trimethylbenzene	ND		2.0	0.27	ug/L			01/24/20 17:07	4
1,2-Dibromo-3-Chloropropane	ND		20	2.1	ug/L			01/24/20 17:07	4
1,2-Dibromoethane	ND		2.0	0.24	ug/L			01/24/20 17:07	4
1,2-Dichlorobenzene	ND		2.0	0.33	ug/L			01/24/20 17:07	4
1,2-Dichloroethane	ND		2.0	0.30	ug/L			01/24/20 17:07	4
1,2-Dichloropropane	ND		2.0	0.39	ug/L			01/24/20 17:07	4
1,3,5-Trimethylbenzene	ND		2.0	0.31	ug/L			01/24/20 17:07	4
1,3-Dichlorobenzene	ND		2.0	0.39	ug/L			01/24/20 17:07	4
1,3-Dichloropropane	ND		4.0	0.33	ug/L			01/24/20 17:07	4
1,4-Dichlorobenzene	ND		2.0	0.29	ug/L			01/24/20 17:07	4
2,2-Dichloropropane	ND		4.0	1.5	ug/L			01/24/20 17:07	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: HEW-04
Date Collected: 01/21/20 09:11
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		20	1.8	ug/L			01/24/20 17:07	4
2-Chlorotoluene	ND		2.0	0.23	ug/L			01/24/20 17:07	4
2-Hexanone	ND		40	2.0	ug/L			01/24/20 17:07	4
4-Chlorotoluene	ND		2.0	0.36	ug/L			01/24/20 17:07	4
4-Methyl-2-pentanone	ND		20	1.7	ug/L			01/24/20 17:07	4
Acetone	ND		40	16	ug/L			01/24/20 17:07	4
Benzene	ND		2.0	0.29	ug/L			01/24/20 17:07	4
Bromobenzene	ND		2.0	0.24	ug/L			01/24/20 17:07	4
Bromochloromethane	ND		4.0	0.33	ug/L			01/24/20 17:07	4
Bromodichloromethane	ND		2.0	0.21	ug/L			01/24/20 17:07	4
Bromoform	ND		2.0	0.39	ug/L			01/24/20 17:07	4
Bromomethane	ND		8.0	4.0	ug/L			01/24/20 17:07	4
cis-1,2-Dichloroethene	ND		2.0	0.43	ug/L			01/24/20 17:07	4
cis-1,3-Dichloropropene	ND		2.0	0.38	ug/L			01/24/20 17:07	4
Carbon disulfide	ND		40	1.5	ug/L			01/24/20 17:07	4
Carbon tetrachloride	ND		2.0	0.23	ug/L			01/24/20 17:07	4
Chlorobenzene	ND		2.0	0.35	ug/L			01/24/20 17:07	4
Chloroethane	ND		2.0	0.47	ug/L			01/24/20 17:07	4
Chloroform	0.27	J	2.0	0.25	ug/L			01/24/20 17:07	4
Chloromethane	ND		20	7.8	ug/L			01/24/20 17:07	4
Dibromochloromethane	ND		2.0	0.25	ug/L			01/24/20 17:07	4
Dibromomethane	ND		2.0	0.50	ug/L			01/24/20 17:07	4
Dichlorodifluoromethane	ND		4.0	0.40	ug/L			01/24/20 17:07	4
Ethylbenzene	ND		2.0	0.35	ug/L			01/24/20 17:07	4
Isopropylbenzene	ND		2.0	0.31	ug/L			01/24/20 17:07	4
Methylene Chloride	ND		4.0	0.17	ug/L			01/24/20 17:07	4
Methyl-t-Butyl Ether (MTBE)	ND		2.0	0.27	ug/L			01/24/20 17:07	4
Naphthalene	ND		4.0	0.39	ug/L			01/24/20 17:07	4
n-Butylbenzene	ND		2.0	0.43	ug/L			01/24/20 17:07	4
N-Propylbenzene	ND		2.0	0.31	ug/L			01/24/20 17:07	4
o-Xylene	ND		2.0	0.34	ug/L			01/24/20 17:07	4
m,p-Xylene	ND		4.0	0.59	ug/L			01/24/20 17:07	4
p-Isopropyltoluene	ND		2.0	0.29	ug/L			01/24/20 17:07	4
sec-Butylbenzene	ND		2.0	0.38	ug/L			01/24/20 17:07	4
Styrene	ND		2.0	0.23	ug/L			01/24/20 17:07	4
trans-1,2-Dichloroethene	ND		2.0	0.33	ug/L			01/24/20 17:07	4
trans-1,3-Dichloropropene	ND		2.0	0.21	ug/L			01/24/20 17:07	4
tert-Butylbenzene	ND		2.0	0.33	ug/L			01/24/20 17:07	4
Tetrachloroethene	1.6	J	2.0	0.97	ug/L			01/24/20 17:07	4
Toluene	ND		2.0	0.37	ug/L			01/24/20 17:07	4
Trichloroethene	130		2.0	0.41	ug/L			01/24/20 17:07	4
Trichlorofluoromethane	ND		2.0	0.41	ug/L			01/24/20 17:07	4
Vinyl acetate	ND		20	2.8	ug/L			01/24/20 17:07	4
Vinyl chloride	ND		2.0	0.31	ug/L			01/24/20 17:07	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		80 - 128		01/24/20 17:07	4
4-Bromofluorobenzene (Surr)	100		68 - 120		01/24/20 17:07	4
Dibromofluoromethane	109		80 - 127		01/24/20 17:07	4
Toluene-d8 (Surr)	100		80 - 120		01/24/20 17:07	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: LAX-02
Date Collected: 01/21/20 09:48
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			01/24/20 18:27	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			01/24/20 18:27	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			01/24/20 18:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			01/24/20 18:27	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			01/24/20 18:27	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			01/24/20 18:27	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			01/24/20 18:27	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			01/24/20 18:27	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			01/24/20 18:27	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			01/24/20 18:27	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			01/24/20 18:27	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			01/24/20 18:27	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			01/24/20 18:27	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			01/24/20 18:27	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			01/24/20 18:27	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			01/24/20 18:27	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			01/24/20 18:27	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			01/24/20 18:27	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			01/24/20 18:27	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			01/24/20 18:27	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			01/24/20 18:27	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			01/24/20 18:27	1
2-Butanone	ND		5.0	0.46	ug/L			01/24/20 18:27	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			01/24/20 18:27	1
2-Hexanone	ND		10	0.50	ug/L			01/24/20 18:27	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			01/24/20 18:27	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			01/24/20 18:27	1
Acetone	6.6 J		10	4.0	ug/L			01/24/20 18:27	1
Benzene	ND		0.50	0.072	ug/L			01/24/20 18:27	1
Bromobenzene	ND		0.50	0.061	ug/L			01/24/20 18:27	1
Bromochloromethane	ND		1.0	0.082	ug/L			01/24/20 18:27	1
Bromodichloromethane	ND		0.50	0.053	ug/L			01/24/20 18:27	1
Bromoform	ND		0.50	0.096	ug/L			01/24/20 18:27	1
Bromomethane	ND		2.0	0.99	ug/L			01/24/20 18:27	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			01/24/20 18:27	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			01/24/20 18:27	1
Carbon disulfide	ND		10	0.39	ug/L			01/24/20 18:27	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			01/24/20 18:27	1
Chlorobenzene	ND		0.50	0.088	ug/L			01/24/20 18:27	1
Chloroethane	ND		0.50	0.12	ug/L			01/24/20 18:27	1
Chloroform	0.16 J		0.50	0.062	ug/L			01/24/20 18:27	1
Chloromethane	ND		5.0	2.0	ug/L			01/24/20 18:27	1
Dibromochloromethane	ND		0.50	0.064	ug/L			01/24/20 18:27	1
Dibromomethane	ND		0.50	0.13	ug/L			01/24/20 18:27	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			01/24/20 18:27	1
Ethylbenzene	ND		0.50	0.087	ug/L			01/24/20 18:27	1
Isopropylbenzene	ND		0.50	0.077	ug/L			01/24/20 18:27	1
Methylene Chloride	0.059 J		1.0	0.043	ug/L			01/24/20 18:27	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			01/24/20 18:27	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: LAX-02
Date Collected: 01/21/20 09:48
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			01/24/20 18:27	1
n-Butylbenzene	ND		0.50	0.11	ug/L			01/24/20 18:27	1
N-Propylbenzene	ND		0.50	0.076	ug/L			01/24/20 18:27	1
o-Xylene	ND		0.50	0.086	ug/L			01/24/20 18:27	1
m,p-Xylene	ND		1.0	0.15	ug/L			01/24/20 18:27	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			01/24/20 18:27	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			01/24/20 18:27	1
Styrene	ND		0.50	0.059	ug/L			01/24/20 18:27	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			01/24/20 18:27	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			01/24/20 18:27	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			01/24/20 18:27	1
Tetrachloroethene	ND		0.50	0.24	ug/L			01/24/20 18:27	1
Toluene	ND		0.50	0.093	ug/L			01/24/20 18:27	1
Trichloroethene	0.16	J	0.50	0.10	ug/L			01/24/20 18:27	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			01/24/20 18:27	1
Vinyl acetate	ND		5.0	0.70	ug/L			01/24/20 18:27	1
Vinyl chloride	ND		0.50	0.078	ug/L			01/24/20 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 128		01/24/20 18:27	1
4-Bromofluorobenzene (Surr)	97		68 - 120		01/24/20 18:27	1
Dibromofluoromethane	111		80 - 127		01/24/20 18:27	1
Toluene-d8 (Surr)	102		80 - 120		01/24/20 18:27	1

Client Sample ID: RB-012120
Date Collected: 01/21/20 09:54
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			01/24/20 18:54	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			01/24/20 18:54	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			01/24/20 18:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			01/24/20 18:54	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			01/24/20 18:54	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			01/24/20 18:54	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			01/24/20 18:54	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			01/24/20 18:54	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			01/24/20 18:54	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			01/24/20 18:54	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			01/24/20 18:54	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			01/24/20 18:54	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			01/24/20 18:54	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			01/24/20 18:54	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			01/24/20 18:54	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			01/24/20 18:54	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			01/24/20 18:54	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			01/24/20 18:54	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			01/24/20 18:54	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			01/24/20 18:54	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			01/24/20 18:54	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			01/24/20 18:54	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: RB-012120
Date Collected: 01/21/20 09:54
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			01/24/20 18:54	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			01/24/20 18:54	1
2-Hexanone	ND		10	0.50	ug/L			01/24/20 18:54	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			01/24/20 18:54	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			01/24/20 18:54	1
Acetone	6.8	J	10	4.0	ug/L			01/24/20 18:54	1
Benzene	ND		0.50	0.072	ug/L			01/24/20 18:54	1
Bromobenzene	ND		0.50	0.061	ug/L			01/24/20 18:54	1
Bromochloromethane	ND		1.0	0.082	ug/L			01/24/20 18:54	1
Bromodichloromethane	ND		0.50	0.053	ug/L			01/24/20 18:54	1
Bromoform	ND		0.50	0.096	ug/L			01/24/20 18:54	1
Bromomethane	ND		2.0	0.99	ug/L			01/24/20 18:54	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			01/24/20 18:54	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			01/24/20 18:54	1
Carbon disulfide	ND		10	0.39	ug/L			01/24/20 18:54	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			01/24/20 18:54	1
Chlorobenzene	ND		0.50	0.088	ug/L			01/24/20 18:54	1
Chloroethane	ND		0.50	0.12	ug/L			01/24/20 18:54	1
Chloroform	0.098	J	0.50	0.062	ug/L			01/24/20 18:54	1
Chloromethane	ND		5.0	2.0	ug/L			01/24/20 18:54	1
Dibromochloromethane	ND		0.50	0.064	ug/L			01/24/20 18:54	1
Dibromomethane	ND		0.50	0.13	ug/L			01/24/20 18:54	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			01/24/20 18:54	1
Ethylbenzene	ND		0.50	0.087	ug/L			01/24/20 18:54	1
Isopropylbenzene	ND		0.50	0.077	ug/L			01/24/20 18:54	1
Methylene Chloride	0.15	J	1.0	0.043	ug/L			01/24/20 18:54	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			01/24/20 18:54	1
Naphthalene	ND		1.0	0.097	ug/L			01/24/20 18:54	1
n-Butylbenzene	ND		0.50	0.11	ug/L			01/24/20 18:54	1
N-Propylbenzene	ND		0.50	0.076	ug/L			01/24/20 18:54	1
o-Xylene	ND		0.50	0.086	ug/L			01/24/20 18:54	1
m,p-Xylene	ND		1.0	0.15	ug/L			01/24/20 18:54	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			01/24/20 18:54	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			01/24/20 18:54	1
Styrene	ND		0.50	0.059	ug/L			01/24/20 18:54	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			01/24/20 18:54	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			01/24/20 18:54	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			01/24/20 18:54	1
Tetrachloroethene	ND		0.50	0.24	ug/L			01/24/20 18:54	1
Toluene	ND		0.50	0.093	ug/L			01/24/20 18:54	1
Trichloroethene	ND		0.50	0.10	ug/L			01/24/20 18:54	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			01/24/20 18:54	1
Vinyl acetate	ND		5.0	0.70	ug/L			01/24/20 18:54	1
Vinyl chloride	ND		0.50	0.078	ug/L			01/24/20 18:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 128		01/24/20 18:54	1
4-Bromofluorobenzene (Surr)	98		68 - 120		01/24/20 18:54	1
Dibromofluoromethane	112		80 - 127		01/24/20 18:54	1
Toluene-d8 (Surr)	102		80 - 120		01/24/20 18:54	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: LAX-01
Date Collected: 01/21/20 10:22
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			01/24/20 19:21	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			01/24/20 19:21	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			01/24/20 19:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			01/24/20 19:21	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			01/24/20 19:21	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			01/24/20 19:21	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			01/24/20 19:21	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			01/24/20 19:21	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			01/24/20 19:21	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			01/24/20 19:21	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			01/24/20 19:21	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			01/24/20 19:21	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			01/24/20 19:21	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			01/24/20 19:21	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			01/24/20 19:21	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			01/24/20 19:21	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			01/24/20 19:21	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			01/24/20 19:21	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			01/24/20 19:21	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			01/24/20 19:21	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			01/24/20 19:21	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			01/24/20 19:21	1
2-Butanone	ND		5.0	0.46	ug/L			01/24/20 19:21	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			01/24/20 19:21	1
2-Hexanone	ND		10	0.50	ug/L			01/24/20 19:21	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			01/24/20 19:21	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			01/24/20 19:21	1
Acetone	9.6	J	10	4.0	ug/L			01/24/20 19:21	1
Benzene	ND		0.50	0.072	ug/L			01/24/20 19:21	1
Bromobenzene	ND		0.50	0.061	ug/L			01/24/20 19:21	1
Bromochloromethane	ND		1.0	0.082	ug/L			01/24/20 19:21	1
Bromodichloromethane	ND		0.50	0.053	ug/L			01/24/20 19:21	1
Bromoform	ND		0.50	0.096	ug/L			01/24/20 19:21	1
Bromomethane	ND		2.0	0.99	ug/L			01/24/20 19:21	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			01/24/20 19:21	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			01/24/20 19:21	1
Carbon disulfide	ND		10	0.39	ug/L			01/24/20 19:21	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			01/24/20 19:21	1
Chlorobenzene	ND		0.50	0.088	ug/L			01/24/20 19:21	1
Chloroethane	ND		0.50	0.12	ug/L			01/24/20 19:21	1
Chloroform	ND		0.50	0.062	ug/L			01/24/20 19:21	1
Chloromethane	ND		5.0	2.0	ug/L			01/24/20 19:21	1
Dibromochloromethane	ND		0.50	0.064	ug/L			01/24/20 19:21	1
Dibromomethane	ND		0.50	0.13	ug/L			01/24/20 19:21	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			01/24/20 19:21	1
Ethylbenzene	ND		0.50	0.087	ug/L			01/24/20 19:21	1
Isopropylbenzene	ND		0.50	0.077	ug/L			01/24/20 19:21	1
Methylene Chloride	ND		1.0	0.043	ug/L			01/24/20 19:21	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			01/24/20 19:21	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: LAX-01
Date Collected: 01/21/20 10:22
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			01/24/20 19:21	1
n-Butylbenzene	ND		0.50	0.11	ug/L			01/24/20 19:21	1
N-Propylbenzene	ND		0.50	0.076	ug/L			01/24/20 19:21	1
o-Xylene	ND		0.50	0.086	ug/L			01/24/20 19:21	1
m,p-Xylene	ND		1.0	0.15	ug/L			01/24/20 19:21	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			01/24/20 19:21	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			01/24/20 19:21	1
Styrene	ND		0.50	0.059	ug/L			01/24/20 19:21	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			01/24/20 19:21	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			01/24/20 19:21	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			01/24/20 19:21	1
Tetrachloroethene	ND		0.50	0.24	ug/L			01/24/20 19:21	1
Toluene	ND		0.50	0.093	ug/L			01/24/20 19:21	1
Trichloroethene	ND		0.50	0.10	ug/L			01/24/20 19:21	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			01/24/20 19:21	1
Vinyl acetate	ND		5.0	0.70	ug/L			01/24/20 19:21	1
Vinyl chloride	ND		0.50	0.078	ug/L			01/24/20 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 128		01/24/20 19:21	1
4-Bromofluorobenzene (Surr)	97		68 - 120		01/24/20 19:21	1
Dibromofluoromethane	111		80 - 127		01/24/20 19:21	1
Toluene-d8 (Surr)	103		80 - 120		01/24/20 19:21	1

Client Sample ID: LAX-03
Date Collected: 01/21/20 10:51
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			01/24/20 19:48	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			01/24/20 19:48	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			01/24/20 19:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			01/24/20 19:48	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			01/24/20 19:48	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			01/24/20 19:48	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			01/24/20 19:48	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			01/24/20 19:48	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			01/24/20 19:48	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			01/24/20 19:48	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			01/24/20 19:48	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			01/24/20 19:48	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			01/24/20 19:48	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			01/24/20 19:48	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			01/24/20 19:48	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			01/24/20 19:48	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			01/24/20 19:48	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			01/24/20 19:48	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			01/24/20 19:48	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			01/24/20 19:48	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			01/24/20 19:48	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			01/24/20 19:48	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: LAX-03

Date Collected: 01/21/20 10:51

Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-10

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			01/24/20 19:48	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			01/24/20 19:48	1
2-Hexanone	ND		10	0.50	ug/L			01/24/20 19:48	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			01/24/20 19:48	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			01/24/20 19:48	1
Acetone	23		10	4.0	ug/L			01/24/20 19:48	1
Benzene	ND		0.50	0.072	ug/L			01/24/20 19:48	1
Bromobenzene	ND		0.50	0.061	ug/L			01/24/20 19:48	1
Bromochloromethane	ND		1.0	0.082	ug/L			01/24/20 19:48	1
Bromodichloromethane	ND		0.50	0.053	ug/L			01/24/20 19:48	1
Bromoform	ND		0.50	0.096	ug/L			01/24/20 19:48	1
Bromomethane	ND		2.0	0.99	ug/L			01/24/20 19:48	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			01/24/20 19:48	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			01/24/20 19:48	1
Carbon disulfide	ND		10	0.39	ug/L			01/24/20 19:48	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			01/24/20 19:48	1
Chlorobenzene	ND		0.50	0.088	ug/L			01/24/20 19:48	1
Chloroethane	ND		0.50	0.12	ug/L			01/24/20 19:48	1
Chloroform	ND		0.50	0.062	ug/L			01/24/20 19:48	1
Chloromethane	ND		5.0	2.0	ug/L			01/24/20 19:48	1
Dibromochloromethane	ND		0.50	0.064	ug/L			01/24/20 19:48	1
Dibromomethane	ND		0.50	0.13	ug/L			01/24/20 19:48	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			01/24/20 19:48	1
Ethylbenzene	ND		0.50	0.087	ug/L			01/24/20 19:48	1
Isopropylbenzene	ND		0.50	0.077	ug/L			01/24/20 19:48	1
Methylene Chloride	0.050	J	1.0	0.043	ug/L			01/24/20 19:48	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			01/24/20 19:48	1
Naphthalene	ND		1.0	0.097	ug/L			01/24/20 19:48	1
n-Butylbenzene	ND		0.50	0.11	ug/L			01/24/20 19:48	1
N-Propylbenzene	ND		0.50	0.076	ug/L			01/24/20 19:48	1
o-Xylene	ND		0.50	0.086	ug/L			01/24/20 19:48	1
m,p-Xylene	ND		1.0	0.15	ug/L			01/24/20 19:48	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			01/24/20 19:48	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			01/24/20 19:48	1
Styrene	ND		0.50	0.059	ug/L			01/24/20 19:48	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			01/24/20 19:48	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			01/24/20 19:48	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			01/24/20 19:48	1
Tetrachloroethene	ND		0.50	0.24	ug/L			01/24/20 19:48	1
Toluene	ND		0.50	0.093	ug/L			01/24/20 19:48	1
Trichloroethene	0.35	J	0.50	0.10	ug/L			01/24/20 19:48	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			01/24/20 19:48	1
Vinyl acetate	ND		5.0	0.70	ug/L			01/24/20 19:48	1
Vinyl chloride	ND		0.50	0.078	ug/L			01/24/20 19:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		80 - 128		01/24/20 19:48	1
4-Bromofluorobenzene (Surr)	97		68 - 120		01/24/20 19:48	1
Dibromofluoromethane	111		80 - 127		01/24/20 19:48	1
Toluene-d8 (Surr)	101		80 - 120		01/24/20 19:48	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: UAX-02
Date Collected: 01/21/20 11:02
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-11
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			01/29/20 16:19	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			01/29/20 16:19	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			01/29/20 16:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			01/29/20 16:19	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			01/29/20 16:19	1
1,1-Dichloroethane	0.13	J	0.50	0.060	ug/L			01/29/20 16:19	1
1,1-Dichloroethene	2.2		0.50	0.10	ug/L			01/29/20 16:19	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			01/29/20 16:19	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			01/29/20 16:19	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			01/29/20 16:19	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			01/29/20 16:19	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			01/29/20 16:19	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			01/29/20 16:19	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			01/29/20 16:19	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			01/29/20 16:19	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			01/29/20 16:19	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			01/29/20 16:19	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			01/29/20 16:19	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			01/29/20 16:19	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			01/29/20 16:19	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			01/29/20 16:19	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			01/29/20 16:19	1
2-Butanone	ND		5.0	0.46	ug/L			01/29/20 16:19	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			01/29/20 16:19	1
2-Hexanone	ND		10	0.50	ug/L			01/29/20 16:19	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			01/29/20 16:19	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			01/29/20 16:19	1
Acetone	4.5	J	10	4.0	ug/L			01/29/20 16:19	1
Benzene	ND		0.50	0.072	ug/L			01/29/20 16:19	1
Bromobenzene	ND		0.50	0.061	ug/L			01/29/20 16:19	1
Bromochloromethane	ND		1.0	0.082	ug/L			01/29/20 16:19	1
Bromodichloromethane	ND		0.50	0.053	ug/L			01/29/20 16:19	1
Bromoform	ND		0.50	0.096	ug/L			01/29/20 16:19	1
Bromomethane	ND		2.0	0.99	ug/L			01/29/20 16:19	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			01/29/20 16:19	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			01/29/20 16:19	1
Carbon disulfide	ND		10	0.39	ug/L			01/29/20 16:19	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			01/29/20 16:19	1
Chlorobenzene	ND		0.50	0.088	ug/L			01/29/20 16:19	1
Chloroethane	ND		0.50	0.12	ug/L			01/29/20 16:19	1
Chloroform	ND		0.50	0.062	ug/L			01/29/20 16:19	1
Chloromethane	ND		5.0	2.0	ug/L			01/29/20 16:19	1
Dibromochloromethane	ND		0.50	0.064	ug/L			01/29/20 16:19	1
Dibromomethane	ND		0.50	0.13	ug/L			01/29/20 16:19	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			01/29/20 16:19	1
Ethylbenzene	ND		0.50	0.087	ug/L			01/29/20 16:19	1
Isopropylbenzene	ND		0.50	0.077	ug/L			01/29/20 16:19	1
Methylene Chloride	ND		1.0	0.043	ug/L			01/29/20 16:19	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			01/29/20 16:19	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: UAX-02
Date Collected: 01/21/20 11:02
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-11
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			01/29/20 16:19	1
n-Butylbenzene	ND		0.50	0.11	ug/L			01/29/20 16:19	1
N-Propylbenzene	ND		0.50	0.076	ug/L			01/29/20 16:19	1
o-Xylene	ND		0.50	0.086	ug/L			01/29/20 16:19	1
m,p-Xylene	ND		1.0	0.15	ug/L			01/29/20 16:19	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			01/29/20 16:19	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			01/29/20 16:19	1
Styrene	ND		0.50	0.059	ug/L			01/29/20 16:19	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			01/29/20 16:19	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			01/29/20 16:19	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			01/29/20 16:19	1
Tetrachloroethene	ND		0.50	0.24	ug/L			01/29/20 16:19	1
Toluene	ND		0.50	0.093	ug/L			01/29/20 16:19	1
Trichloroethene	4.0		0.50	0.10	ug/L			01/29/20 16:19	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			01/29/20 16:19	1
Vinyl acetate	ND		5.0	0.70	ug/L			01/29/20 16:19	1
Vinyl chloride	ND		0.50	0.078	ug/L			01/29/20 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 128		01/29/20 16:19	1
4-Bromofluorobenzene (Surr)	94		68 - 120		01/29/20 16:19	1
Dibromofluoromethane	98		80 - 127		01/29/20 16:19	1
Toluene-d8 (Surr)	99		80 - 120		01/29/20 16:19	1

Client Sample ID: UAX-01
Date Collected: 01/21/20 12:51
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			01/29/20 16:46	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			01/29/20 16:46	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			01/29/20 16:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			01/29/20 16:46	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			01/29/20 16:46	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			01/29/20 16:46	1
1,1-Dichloroethene	1.9		0.50	0.10	ug/L			01/29/20 16:46	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			01/29/20 16:46	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			01/29/20 16:46	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			01/29/20 16:46	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			01/29/20 16:46	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			01/29/20 16:46	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			01/29/20 16:46	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			01/29/20 16:46	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			01/29/20 16:46	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			01/29/20 16:46	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			01/29/20 16:46	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			01/29/20 16:46	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			01/29/20 16:46	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			01/29/20 16:46	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			01/29/20 16:46	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			01/29/20 16:46	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: UAX-01

Date Collected: 01/21/20 12:51

Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-12

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			01/29/20 16:46	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			01/29/20 16:46	1
2-Hexanone	ND		10	0.50	ug/L			01/29/20 16:46	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			01/29/20 16:46	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			01/29/20 16:46	1
Acetone	6.8	J	10	4.0	ug/L			01/29/20 16:46	1
Benzene	ND		0.50	0.072	ug/L			01/29/20 16:46	1
Bromobenzene	ND		0.50	0.061	ug/L			01/29/20 16:46	1
Bromochloromethane	ND		1.0	0.082	ug/L			01/29/20 16:46	1
Bromodichloromethane	ND		0.50	0.053	ug/L			01/29/20 16:46	1
Bromoform	ND		0.50	0.096	ug/L			01/29/20 16:46	1
Bromomethane	ND		2.0	0.99	ug/L			01/29/20 16:46	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			01/29/20 16:46	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			01/29/20 16:46	1
Carbon disulfide	ND		10	0.39	ug/L			01/29/20 16:46	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			01/29/20 16:46	1
Chlorobenzene	ND		0.50	0.088	ug/L			01/29/20 16:46	1
Chloroethane	ND		0.50	0.12	ug/L			01/29/20 16:46	1
Chloroform	0.088	J	0.50	0.062	ug/L			01/29/20 16:46	1
Chloromethane	ND		5.0	2.0	ug/L			01/29/20 16:46	1
Dibromochloromethane	ND		0.50	0.064	ug/L			01/29/20 16:46	1
Dibromomethane	ND		0.50	0.13	ug/L			01/29/20 16:46	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			01/29/20 16:46	1
Ethylbenzene	ND		0.50	0.087	ug/L			01/29/20 16:46	1
Isopropylbenzene	ND		0.50	0.077	ug/L			01/29/20 16:46	1
Methylene Chloride	ND		1.0	0.043	ug/L			01/29/20 16:46	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			01/29/20 16:46	1
Naphthalene	ND		1.0	0.097	ug/L			01/29/20 16:46	1
n-Butylbenzene	ND		0.50	0.11	ug/L			01/29/20 16:46	1
N-Propylbenzene	ND		0.50	0.076	ug/L			01/29/20 16:46	1
o-Xylene	ND		0.50	0.086	ug/L			01/29/20 16:46	1
m,p-Xylene	ND		1.0	0.15	ug/L			01/29/20 16:46	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			01/29/20 16:46	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			01/29/20 16:46	1
Styrene	ND		0.50	0.059	ug/L			01/29/20 16:46	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			01/29/20 16:46	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			01/29/20 16:46	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			01/29/20 16:46	1
Tetrachloroethene	ND		0.50	0.24	ug/L			01/29/20 16:46	1
Toluene	ND		0.50	0.093	ug/L			01/29/20 16:46	1
Trichloroethene	2.4		0.50	0.10	ug/L			01/29/20 16:46	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			01/29/20 16:46	1
Vinyl acetate	ND		5.0	0.70	ug/L			01/29/20 16:46	1
Vinyl chloride	ND		0.50	0.078	ug/L			01/29/20 16:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 128		01/29/20 16:46	1
4-Bromofluorobenzene (Surr)	96		68 - 120		01/29/20 16:46	1
Dibromofluoromethane	99		80 - 127		01/29/20 16:46	1
Toluene-d8 (Surr)	100		80 - 120		01/29/20 16:46	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: HEW-01
Date Collected: 01/21/20 13:06
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		10	1.4	ug/L			01/25/20 00:16	20
1,1,1-Trichloroethane	ND		10	1.7	ug/L			01/25/20 00:16	20
1,1,2,2-Tetrachloroethane	ND		10	1.7	ug/L			01/25/20 00:16	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	2.5	ug/L			01/25/20 00:16	20
1,1,2-Trichloroethane	ND		10	1.4	ug/L			01/25/20 00:16	20
1,1-Dichloroethane	ND		10	1.2	ug/L			01/25/20 00:16	20
1,1-Dichloroethene	3.0	J	10	2.1	ug/L			01/25/20 00:16	20
1,1-Dichloropropene	ND		10	1.4	ug/L			01/25/20 00:16	20
1,2,3-Trichlorobenzene	ND		10	2.4	ug/L			01/25/20 00:16	20
1,2,3-Trichloropropane	ND		20	1.5	ug/L			01/25/20 00:16	20
1,2,4-Trichlorobenzene	ND		10	1.8	ug/L			01/25/20 00:16	20
1,2,4-Trimethylbenzene	ND		10	1.4	ug/L			01/25/20 00:16	20
1,2-Dibromo-3-Chloropropane	ND		100	10	ug/L			01/25/20 00:16	20
1,2-Dibromoethane	ND		10	1.2	ug/L			01/25/20 00:16	20
1,2-Dichlorobenzene	ND		10	1.6	ug/L			01/25/20 00:16	20
1,2-Dichloroethane	ND		10	1.5	ug/L			01/25/20 00:16	20
1,2-Dichloropropane	ND		10	2.0	ug/L			01/25/20 00:16	20
1,3,5-Trimethylbenzene	ND		10	1.6	ug/L			01/25/20 00:16	20
1,3-Dichlorobenzene	ND		10	2.0	ug/L			01/25/20 00:16	20
1,3-Dichloropropane	ND		20	1.6	ug/L			01/25/20 00:16	20
1,4-Dichlorobenzene	ND		10	1.5	ug/L			01/25/20 00:16	20
2,2-Dichloropropane	ND		20	7.5	ug/L			01/25/20 00:16	20
2-Butanone	ND		100	9.2	ug/L			01/25/20 00:16	20
2-Chlorotoluene	ND		10	1.2	ug/L			01/25/20 00:16	20
2-Hexanone	ND		200	10	ug/L			01/25/20 00:16	20
4-Chlorotoluene	ND		10	1.8	ug/L			01/25/20 00:16	20
4-Methyl-2-pentanone	ND		100	8.3	ug/L			01/25/20 00:16	20
Acetone	ND		200	80	ug/L			01/25/20 00:16	20
Benzene	ND		10	1.4	ug/L			01/25/20 00:16	20
Bromobenzene	ND		10	1.2	ug/L			01/25/20 00:16	20
Bromochloromethane	ND		20	1.6	ug/L			01/25/20 00:16	20
Bromodichloromethane	ND		10	1.1	ug/L			01/25/20 00:16	20
Bromoform	ND		10	1.9	ug/L			01/25/20 00:16	20
Bromomethane	ND		40	20	ug/L			01/25/20 00:16	20
cis-1,2-Dichloroethene	ND		10	2.2	ug/L			01/25/20 00:16	20
cis-1,3-Dichloropropane	ND		10	1.9	ug/L			01/25/20 00:16	20
Carbon disulfide	ND		200	7.7	ug/L			01/25/20 00:16	20
Carbon tetrachloride	ND		10	1.1	ug/L			01/25/20 00:16	20
Chlorobenzene	ND		10	1.8	ug/L			01/25/20 00:16	20
Chloroethane	ND		10	2.3	ug/L			01/25/20 00:16	20
Chloroform	1.5	J	10	1.2	ug/L			01/25/20 00:16	20
Chloromethane	ND		100	39	ug/L			01/25/20 00:16	20
Dibromochloromethane	ND		10	1.3	ug/L			01/25/20 00:16	20
Dibromomethane	ND		10	2.5	ug/L			01/25/20 00:16	20
Dichlorodifluoromethane	ND		20	2.0	ug/L			01/25/20 00:16	20
Ethylbenzene	ND		10	1.7	ug/L			01/25/20 00:16	20
Isopropylbenzene	ND		10	1.5	ug/L			01/25/20 00:16	20
Methylene Chloride	ND		20	0.85	ug/L			01/25/20 00:16	20
Methyl-t-Butyl Ether (MTBE)	ND		10	1.3	ug/L			01/25/20 00:16	20

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: HEW-01
Date Collected: 01/21/20 13:06
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		20	1.9	ug/L			01/25/20 00:16	20
n-Butylbenzene	ND		10	2.2	ug/L			01/25/20 00:16	20
N-Propylbenzene	ND		10	1.5	ug/L			01/25/20 00:16	20
o-Xylene	ND		10	1.7	ug/L			01/25/20 00:16	20
m,p-Xylene	ND		20	3.0	ug/L			01/25/20 00:16	20
p-Isopropyltoluene	ND		10	1.5	ug/L			01/25/20 00:16	20
sec-Butylbenzene	ND		10	1.9	ug/L			01/25/20 00:16	20
Styrene	ND		10	1.2	ug/L			01/25/20 00:16	20
trans-1,2-Dichloroethene	ND		10	1.6	ug/L			01/25/20 00:16	20
trans-1,3-Dichloropropene	ND		10	1.1	ug/L			01/25/20 00:16	20
tert-Butylbenzene	ND		10	1.6	ug/L			01/25/20 00:16	20
Tetrachloroethene	8.3	J	10	4.8	ug/L			01/25/20 00:16	20
Toluene	ND		10	1.9	ug/L			01/25/20 00:16	20
Trichloroethene	620		10	2.0	ug/L			01/25/20 00:16	20
Trichlorofluoromethane	ND		10	2.1	ug/L			01/25/20 00:16	20
Vinyl acetate	ND		100	14	ug/L			01/25/20 00:16	20
Vinyl chloride	ND		10	1.6	ug/L			01/25/20 00:16	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		80 - 128		01/25/20 00:16	20
4-Bromofluorobenzene (Surr)	97		68 - 120		01/25/20 00:16	20
Dibromofluoromethane	112		80 - 127		01/25/20 00:16	20
Toluene-d8 (Surr)	100		80 - 120		01/25/20 00:16	20

Client Sample ID: HEW-0100
Date Collected: 01/21/20 13:12
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-14
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		10	1.4	ug/L			01/25/20 00:43	20
1,1,1-Trichloroethane	ND		10	1.7	ug/L			01/25/20 00:43	20
1,1,2,2-Tetrachloroethane	ND		10	1.7	ug/L			01/25/20 00:43	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	2.5	ug/L			01/25/20 00:43	20
1,1,2-Trichloroethane	ND		10	1.4	ug/L			01/25/20 00:43	20
1,1-Dichloroethane	ND		10	1.2	ug/L			01/25/20 00:43	20
1,1-Dichloroethene	3.5	J	10	2.1	ug/L			01/25/20 00:43	20
1,1-Dichloropropene	ND		10	1.4	ug/L			01/25/20 00:43	20
1,2,3-Trichlorobenzene	ND		10	2.4	ug/L			01/25/20 00:43	20
1,2,3-Trichloropropane	ND		20	1.5	ug/L			01/25/20 00:43	20
1,2,4-Trichlorobenzene	ND		10	1.8	ug/L			01/25/20 00:43	20
1,2,4-Trimethylbenzene	ND		10	1.4	ug/L			01/25/20 00:43	20
1,2-Dibromo-3-Chloropropane	ND		100	10	ug/L			01/25/20 00:43	20
1,2-Dibromoethane	ND		10	1.2	ug/L			01/25/20 00:43	20
1,2-Dichlorobenzene	ND		10	1.6	ug/L			01/25/20 00:43	20
1,2-Dichloroethane	ND		10	1.5	ug/L			01/25/20 00:43	20
1,2-Dichloropropane	ND		10	2.0	ug/L			01/25/20 00:43	20
1,3,5-Trimethylbenzene	ND		10	1.6	ug/L			01/25/20 00:43	20
1,3-Dichlorobenzene	ND		10	2.0	ug/L			01/25/20 00:43	20
1,3-Dichloropropane	ND		20	1.6	ug/L			01/25/20 00:43	20
1,4-Dichlorobenzene	ND		10	1.5	ug/L			01/25/20 00:43	20
2,2-Dichloropropane	ND		20	7.5	ug/L			01/25/20 00:43	20

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: HEW-0100
Date Collected: 01/21/20 13:12
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-14
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		100	9.2	ug/L			01/25/20 00:43	20
2-Chlorotoluene	ND		10	1.2	ug/L			01/25/20 00:43	20
2-Hexanone	ND		200	10	ug/L			01/25/20 00:43	20
4-Chlorotoluene	ND		10	1.8	ug/L			01/25/20 00:43	20
4-Methyl-2-pentanone	ND		100	8.3	ug/L			01/25/20 00:43	20
Acetone	ND		200	80	ug/L			01/25/20 00:43	20
Benzene	ND		10	1.4	ug/L			01/25/20 00:43	20
Bromobenzene	ND		10	1.2	ug/L			01/25/20 00:43	20
Bromochloromethane	ND		20	1.6	ug/L			01/25/20 00:43	20
Bromodichloromethane	ND		10	1.1	ug/L			01/25/20 00:43	20
Bromoform	ND		10	1.9	ug/L			01/25/20 00:43	20
Bromomethane	ND		40	20	ug/L			01/25/20 00:43	20
cis-1,2-Dichloroethene	ND		10	2.2	ug/L			01/25/20 00:43	20
cis-1,3-Dichloropropene	ND		10	1.9	ug/L			01/25/20 00:43	20
Carbon disulfide	ND		200	7.7	ug/L			01/25/20 00:43	20
Carbon tetrachloride	ND		10	1.1	ug/L			01/25/20 00:43	20
Chlorobenzene	ND		10	1.8	ug/L			01/25/20 00:43	20
Chloroethane	ND		10	2.3	ug/L			01/25/20 00:43	20
Chloroform	1.6	J	10	1.2	ug/L			01/25/20 00:43	20
Chloromethane	ND		100	39	ug/L			01/25/20 00:43	20
Dibromochloromethane	ND		10	1.3	ug/L			01/25/20 00:43	20
Dibromomethane	ND		10	2.5	ug/L			01/25/20 00:43	20
Dichlorodifluoromethane	ND		20	2.0	ug/L			01/25/20 00:43	20
Ethylbenzene	ND		10	1.7	ug/L			01/25/20 00:43	20
Isopropylbenzene	ND		10	1.5	ug/L			01/25/20 00:43	20
Methylene Chloride	ND		20	0.85	ug/L			01/25/20 00:43	20
Methyl-t-Butyl Ether (MTBE)	ND		10	1.3	ug/L			01/25/20 00:43	20
Naphthalene	ND		20	1.9	ug/L			01/25/20 00:43	20
n-Butylbenzene	ND		10	2.2	ug/L			01/25/20 00:43	20
N-Propylbenzene	ND		10	1.5	ug/L			01/25/20 00:43	20
o-Xylene	ND		10	1.7	ug/L			01/25/20 00:43	20
m,p-Xylene	ND		20	3.0	ug/L			01/25/20 00:43	20
p-Isopropyltoluene	ND		10	1.5	ug/L			01/25/20 00:43	20
sec-Butylbenzene	ND		10	1.9	ug/L			01/25/20 00:43	20
Styrene	ND		10	1.2	ug/L			01/25/20 00:43	20
trans-1,2-Dichloroethene	ND		10	1.6	ug/L			01/25/20 00:43	20
trans-1,3-Dichloropropene	ND		10	1.1	ug/L			01/25/20 00:43	20
tert-Butylbenzene	ND		10	1.6	ug/L			01/25/20 00:43	20
Tetrachloroethene	9.1	J	10	4.8	ug/L			01/25/20 00:43	20
Toluene	ND		10	1.9	ug/L			01/25/20 00:43	20
Trichloroethene	710		10	2.0	ug/L			01/25/20 00:43	20
Trichlorofluoromethane	ND		10	2.1	ug/L			01/25/20 00:43	20
Vinyl acetate	ND		100	14	ug/L			01/25/20 00:43	20
Vinyl chloride	ND		10	1.6	ug/L			01/25/20 00:43	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		80 - 128		01/25/20 00:43	20
4-Bromofluorobenzene (Surr)	97		68 - 120		01/25/20 00:43	20
Dibromofluoromethane	111		80 - 127		01/25/20 00:43	20
Toluene-d8 (Surr)	104		80 - 120		01/25/20 00:43	20

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: HEW-03
Date Collected: 01/21/20 13:29
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-15
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.28	ug/L			01/25/20 01:10	4
1,1,1-Trichloroethane	ND		2.0	0.34	ug/L			01/25/20 01:10	4
1,1,2,2-Tetrachloroethane	ND		2.0	0.35	ug/L			01/25/20 01:10	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.50	ug/L			01/25/20 01:10	4
1,1,2-Trichloroethane	ND		2.0	0.28	ug/L			01/25/20 01:10	4
1,1-Dichloroethane	ND		2.0	0.24	ug/L			01/25/20 01:10	4
1,1-Dichloroethene	1.1	J	2.0	0.41	ug/L			01/25/20 01:10	4
1,1-Dichloropropene	ND		2.0	0.28	ug/L			01/25/20 01:10	4
1,2,3-Trichlorobenzene	ND		2.0	0.47	ug/L			01/25/20 01:10	4
1,2,3-Trichloropropane	ND		4.0	0.31	ug/L			01/25/20 01:10	4
1,2,4-Trichlorobenzene	ND		2.0	0.36	ug/L			01/25/20 01:10	4
1,2,4-Trimethylbenzene	ND		2.0	0.27	ug/L			01/25/20 01:10	4
1,2-Dibromo-3-Chloropropane	ND		20	2.1	ug/L			01/25/20 01:10	4
1,2-Dibromoethane	ND		2.0	0.24	ug/L			01/25/20 01:10	4
1,2-Dichlorobenzene	ND		2.0	0.33	ug/L			01/25/20 01:10	4
1,2-Dichloroethane	ND		2.0	0.30	ug/L			01/25/20 01:10	4
1,2-Dichloropropane	ND		2.0	0.39	ug/L			01/25/20 01:10	4
1,3,5-Trimethylbenzene	ND		2.0	0.31	ug/L			01/25/20 01:10	4
1,3-Dichlorobenzene	ND		2.0	0.39	ug/L			01/25/20 01:10	4
1,3-Dichloropropane	ND		4.0	0.33	ug/L			01/25/20 01:10	4
1,4-Dichlorobenzene	ND		2.0	0.29	ug/L			01/25/20 01:10	4
2,2-Dichloropropane	ND		4.0	1.5	ug/L			01/25/20 01:10	4
2-Butanone	ND		20	1.8	ug/L			01/25/20 01:10	4
2-Chlorotoluene	ND		2.0	0.23	ug/L			01/25/20 01:10	4
2-Hexanone	ND		40	2.0	ug/L			01/25/20 01:10	4
4-Chlorotoluene	ND		2.0	0.36	ug/L			01/25/20 01:10	4
4-Methyl-2-pentanone	ND		20	1.7	ug/L			01/25/20 01:10	4
Acetone	ND		40	16	ug/L			01/25/20 01:10	4
Benzene	ND		2.0	0.29	ug/L			01/25/20 01:10	4
Bromobenzene	ND		2.0	0.24	ug/L			01/25/20 01:10	4
Bromochloromethane	ND		4.0	0.33	ug/L			01/25/20 01:10	4
Bromodichloromethane	ND		2.0	0.21	ug/L			01/25/20 01:10	4
Bromoform	ND		2.0	0.39	ug/L			01/25/20 01:10	4
Bromomethane	ND		8.0	4.0	ug/L			01/25/20 01:10	4
cis-1,2-Dichloroethene	ND		2.0	0.43	ug/L			01/25/20 01:10	4
cis-1,3-Dichloropropane	ND		2.0	0.38	ug/L			01/25/20 01:10	4
Carbon disulfide	ND		40	1.5	ug/L			01/25/20 01:10	4
Carbon tetrachloride	ND		2.0	0.23	ug/L			01/25/20 01:10	4
Chlorobenzene	ND		2.0	0.35	ug/L			01/25/20 01:10	4
Chloroethane	ND		2.0	0.47	ug/L			01/25/20 01:10	4
Chloroform	0.27	J	2.0	0.25	ug/L			01/25/20 01:10	4
Chloromethane	ND		20	7.8	ug/L			01/25/20 01:10	4
Dibromochloromethane	ND		2.0	0.25	ug/L			01/25/20 01:10	4
Dibromomethane	ND		2.0	0.50	ug/L			01/25/20 01:10	4
Dichlorodifluoromethane	ND		4.0	0.40	ug/L			01/25/20 01:10	4
Ethylbenzene	ND		2.0	0.35	ug/L			01/25/20 01:10	4
Isopropylbenzene	ND		2.0	0.31	ug/L			01/25/20 01:10	4
Methylene Chloride	ND		4.0	0.17	ug/L			01/25/20 01:10	4
Methyl-t-Butyl Ether (MTBE)	ND		2.0	0.27	ug/L			01/25/20 01:10	4

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Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: HEW-03
Date Collected: 01/21/20 13:29
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-15
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.0	0.39	ug/L			01/25/20 01:10	4
n-Butylbenzene	ND		2.0	0.43	ug/L			01/25/20 01:10	4
N-Propylbenzene	ND		2.0	0.31	ug/L			01/25/20 01:10	4
o-Xylene	ND		2.0	0.34	ug/L			01/25/20 01:10	4
m,p-Xylene	ND		4.0	0.59	ug/L			01/25/20 01:10	4
p-Isopropyltoluene	ND		2.0	0.29	ug/L			01/25/20 01:10	4
sec-Butylbenzene	ND		2.0	0.38	ug/L			01/25/20 01:10	4
Styrene	ND		2.0	0.23	ug/L			01/25/20 01:10	4
trans-1,2-Dichloroethene	ND		2.0	0.33	ug/L			01/25/20 01:10	4
trans-1,3-Dichloropropene	ND		2.0	0.21	ug/L			01/25/20 01:10	4
tert-Butylbenzene	ND		2.0	0.33	ug/L			01/25/20 01:10	4
Tetrachloroethene	1.7	J	2.0	0.97	ug/L			01/25/20 01:10	4
Toluene	ND		2.0	0.37	ug/L			01/25/20 01:10	4
Trichloroethene	99		2.0	0.41	ug/L			01/25/20 01:10	4
Trichlorofluoromethane	ND		2.0	0.41	ug/L			01/25/20 01:10	4
Vinyl acetate	ND		20	2.8	ug/L			01/25/20 01:10	4
Vinyl chloride	ND		2.0	0.31	ug/L			01/25/20 01:10	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		80 - 128		01/25/20 01:10	4
4-Bromofluorobenzene (Surr)	98		68 - 120		01/25/20 01:10	4
Dibromofluoromethane	110		80 - 127		01/25/20 01:10	4
Toluene-d8 (Surr)	101		80 - 120		01/25/20 01:10	4

Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: HEW-02
Date Collected: 01/20/20 12:24
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.79		0.50	0.18	ug/L	-	01/24/20 14:29	01/28/20 23:07	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	69		15 - 150				01/24/20 14:29	01/28/20 23:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	119		46 - 128				01/24/20 14:29	01/28/20 23:07	1

Client Sample ID: HEW-05
Date Collected: 01/20/20 12:49
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.1		0.50	0.18	ug/L	-	01/24/20 14:29	01/28/20 23:22	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	65		15 - 150				01/24/20 14:29	01/28/20 23:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	111		46 - 128				01/24/20 14:29	01/28/20 23:22	1

Client Sample ID: UAX-03
Date Collected: 01/21/20 08:44
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L	-	01/24/20 14:29	01/28/20 23:38	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	43		15 - 150				01/24/20 14:29	01/28/20 23:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	80		46 - 128				01/24/20 14:29	01/28/20 23:38	1

Client Sample ID: HEW-04
Date Collected: 01/21/20 09:11
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	8.2		0.50	0.18	ug/L	-	01/24/20 14:29	01/28/20 23:53	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	60		15 - 150				01/24/20 14:29	01/28/20 23:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	120		46 - 128				01/24/20 14:29	01/28/20 23:53	1

Client Sample ID: LAX-02
Date Collected: 01/21/20 09:48
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L	-	01/24/20 14:29	01/29/20 00:09	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	57		15 - 150				01/24/20 14:29	01/29/20 00:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	113		46 - 128				01/24/20 14:29	01/29/20 00:09	1

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Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: RB-012120
Date Collected: 01/21/20 09:54
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L	-	01/24/20 14:29	01/29/20 00:24	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	57		15 - 150				01/24/20 14:29	01/29/20 00:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	115		46 - 128				01/24/20 14:29	01/29/20 00:24	1

Client Sample ID: LAX-01
Date Collected: 01/21/20 10:22
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L	-	01/24/20 14:29	01/29/20 00:40	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	58		15 - 150				01/24/20 14:29	01/29/20 00:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	114		46 - 128				01/24/20 14:29	01/29/20 00:40	1

Client Sample ID: LAX-03
Date Collected: 01/21/20 10:51
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L	-	01/24/20 14:29	01/29/20 00:56	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	59		15 - 150				01/24/20 14:29	01/29/20 00:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	116		46 - 128				01/24/20 14:29	01/29/20 00:56	1

Client Sample ID: UAX-02
Date Collected: 01/21/20 11:02
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-11
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.2		0.50	0.18	ug/L	-	01/24/20 14:29	01/29/20 01:11	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	56		15 - 150				01/24/20 14:29	01/29/20 01:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	120		46 - 128				01/24/20 14:29	01/29/20 01:11	1

Client Sample ID: UAX-01
Date Collected: 01/21/20 12:51
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L	-	01/24/20 14:29	01/29/20 01:27	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	63		15 - 150				01/24/20 14:29	01/29/20 01:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	112		46 - 128				01/24/20 14:29	01/29/20 01:27	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-18811-1

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

Client Sample ID: HEW-01
Date Collected: 01/21/20 13:06
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.2		0.50	0.18	ug/L	-	01/24/20 14:29	01/29/20 01:42	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	56		15 - 150				01/24/20 14:29	01/29/20 01:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	120		46 - 128				01/24/20 14:29	01/29/20 01:42	1

Client Sample ID: HEW-0100
Date Collected: 01/21/20 13:12
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-14
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.4		0.50	0.18	ug/L	-	01/24/20 14:29	01/29/20 01:58	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	58		15 - 150				01/24/20 14:29	01/29/20 01:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	122		46 - 128				01/24/20 14:29	01/29/20 01:58	1

Client Sample ID: HEW-03
Date Collected: 01/21/20 13:29
Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-15
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L	-	01/24/20 14:29	01/29/20 02:13	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	59		15 - 150				01/24/20 14:29	01/29/20 02:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	111		46 - 128				01/24/20 14:29	01/29/20 02:13	1

Surrogate Summary

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

Job ID: 570-18811-1

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 (80-128)	BFB (68-120)	DBFM (80-127)	TOL (80-120)
570-18811-1	TB-012020	115	96	110	103
570-18811-2	HEW-02	115	97	111	104
570-18811-3	HEW-05	117	96	112	104
570-18811-4	TB-012120	116	97	109	102
570-18811-5	UAX-03	114	99	111	103
570-18811-5 MS	UAX-03	114	104	111	100
570-18811-5 MSD	UAX-03	115	104	112	103
570-18811-6	HEW-04	117	100	109	100
570-18811-7	LAX-02	116	97	111	102
570-18811-8	RB-012120	116	98	112	102
570-18811-9	LAX-01	116	97	111	103
570-18811-10	LAX-03	118	97	111	101
570-18811-11	UAX-02	103	94	98	99
570-18811-12	UAX-01	105	96	99	100
570-18811-13	HEW-01	122	97	112	100
570-18811-14	HEW-0100	120	97	111	104
570-18811-15	HEW-03	122	98	110	101
LCS 570-46291/4	Lab Control Sample	113	102	111	102
LCS 570-46453/3	Lab Control Sample	113	104	109	100
LCS 570-47276/4	Lab Control Sample	98	100	97	99
LCSD 570-46291/5	Lab Control Sample Dup	114	104	110	100
LCSD 570-46453/4	Lab Control Sample Dup	116	104	111	102
LCSD 570-47276/5	Lab Control Sample Dup	98	101	99	99
MB 570-46291/8	Method Blank	115	98	109	102
MB 570-46453/7	Method Blank	118	97	107	101
MB 570-47276/8	Method Blank	103	96	99	100

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 (46-128)			
570-18811-2	HEW-02	119			
570-18811-3	HEW-05	111			
570-18811-5	UAX-03	80			
570-18811-5 MS	UAX-03	88			
570-18811-5 MSD	UAX-03	91			
570-18811-6	HEW-04	120			
570-18811-7	LAX-02	113			
570-18811-8	RB-012120	115			
570-18811-9	LAX-01	114			
570-18811-10	LAX-03	116			
570-18811-11	UAX-02	120			

Eurofins Calscience LLC

Surrogate Summary

Client: Hargis + Associates, Inc.

Job ID: 570-18811-1

Project/Site: Building 684 - Raytheon / 764.10

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 (46-128)
570-18811-12	UAX-01	112
570-18811-13	HEW-01	120
570-18811-14	HEW-0100	122
570-18811-15	HEW-03	111
LCS 570-46409/2-A	Lab Control Sample	86
LCSD 570-46409/3-A	Lab Control Sample Dup	92
MB 570-46409/1-A	Method Blank	96

Surrogate Legend

NBZ = Nitrobenzene-d5

Isotope Dilution Summary

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

Job ID: 570-18811-1

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)
570-18811-2	HEW-02	69
570-18811-3	HEW-05	65
570-18811-5	UAX-03	43
570-18811-5 MS	UAX-03	49
570-18811-5 MSD	UAX-03	48
570-18811-6	HEW-04	60
570-18811-7	LAX-02	57
570-18811-8	RB-012120	57
570-18811-9	LAX-01	58
570-18811-10	LAX-03	59
570-18811-11	UAX-02	56
570-18811-12	UAX-01	63
570-18811-13	HEW-01	56
570-18811-14	HEW-0100	58
570-18811-15	HEW-03	59
LCS 570-46409/2-A	Lab Control Sample	49
LCSD 570-46409/3-A	Lab Control Sample Dup	52
MB 570-46409/1-A	Method Blank	48

Surrogate Legend

DXE = 1,4-Dioxane-d8

QC Sample Results

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

Job ID: 570-18811-1

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

Lab Sample ID: MB 570-46291/8

Matrix: Water

Analysis Batch: 46291

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	0.070	ug/L			01/24/20 12:23	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			01/24/20 12:23	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			01/24/20 12:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			01/24/20 12:23	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			01/24/20 12:23	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			01/24/20 12:23	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			01/24/20 12:23	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			01/24/20 12:23	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			01/24/20 12:23	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			01/24/20 12:23	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			01/24/20 12:23	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			01/24/20 12:23	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			01/24/20 12:23	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			01/24/20 12:23	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			01/24/20 12:23	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			01/24/20 12:23	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			01/24/20 12:23	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			01/24/20 12:23	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			01/24/20 12:23	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			01/24/20 12:23	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			01/24/20 12:23	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			01/24/20 12:23	1
2-Butanone	ND		5.0	0.46	ug/L			01/24/20 12:23	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			01/24/20 12:23	1
2-Hexanone	ND		10	0.50	ug/L			01/24/20 12:23	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			01/24/20 12:23	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			01/24/20 12:23	1
Acetone	ND		10	4.0	ug/L			01/24/20 12:23	1
Benzene	ND		0.50	0.072	ug/L			01/24/20 12:23	1
Bromobenzene	ND		0.50	0.061	ug/L			01/24/20 12:23	1
Bromochloromethane	ND		1.0	0.082	ug/L			01/24/20 12:23	1
Bromodichloromethane	ND		0.50	0.053	ug/L			01/24/20 12:23	1
Bromoform	ND		0.50	0.096	ug/L			01/24/20 12:23	1
Bromomethane	ND		2.0	0.99	ug/L			01/24/20 12:23	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			01/24/20 12:23	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			01/24/20 12:23	1
Carbon disulfide	ND		10	0.39	ug/L			01/24/20 12:23	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			01/24/20 12:23	1
Chlorobenzene	ND		0.50	0.088	ug/L			01/24/20 12:23	1
Chloroethane	ND		0.50	0.12	ug/L			01/24/20 12:23	1
Chloroform	ND		0.50	0.062	ug/L			01/24/20 12:23	1
Chloromethane	ND		5.0	2.0	ug/L			01/24/20 12:23	1
Dibromochloromethane	ND		0.50	0.064	ug/L			01/24/20 12:23	1
Dibromomethane	ND		0.50	0.13	ug/L			01/24/20 12:23	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			01/24/20 12:23	1
Ethylbenzene	ND		0.50	0.087	ug/L			01/24/20 12:23	1
Isopropylbenzene	ND		0.50	0.077	ug/L			01/24/20 12:23	1
Methylene Chloride	ND		1.0	0.043	ug/L			01/24/20 12:23	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-18811-1

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

Lab Sample ID: MB 570-46291/8

Matrix: Water

Analysis Batch: 46291

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	0.067	ug/L			01/24/20 12:23	1
Naphthalene	ND		1.0	0.097	ug/L			01/24/20 12:23	1
n-Butylbenzene	ND		0.50	0.11	ug/L			01/24/20 12:23	1
N-Propylbenzene	ND		0.50	0.076	ug/L			01/24/20 12:23	1
o-Xylene	ND		0.50	0.086	ug/L			01/24/20 12:23	1
m,p-Xylene	ND		1.0	0.15	ug/L			01/24/20 12:23	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			01/24/20 12:23	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			01/24/20 12:23	1
Styrene	ND		0.50	0.059	ug/L			01/24/20 12:23	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			01/24/20 12:23	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			01/24/20 12:23	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			01/24/20 12:23	1
Tetrachloroethene	ND		0.50	0.24	ug/L			01/24/20 12:23	1
Toluene	ND		0.50	0.093	ug/L			01/24/20 12:23	1
Trichloroethene	ND		0.50	0.10	ug/L			01/24/20 12:23	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			01/24/20 12:23	1
Vinyl acetate	ND		5.0	0.70	ug/L			01/24/20 12:23	1
Vinyl chloride	ND		0.50	0.078	ug/L			01/24/20 12:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		80 - 128		01/24/20 12:23	1
4-Bromofluorobenzene (Surr)	98		68 - 120		01/24/20 12:23	1
Dibromofluoromethane	109		80 - 127		01/24/20 12:23	1
Toluene-d8 (Surr)	102		80 - 120		01/24/20 12:23	1

Lab Sample ID: LCS 570-46291/4

Matrix: Water

Analysis Batch: 46291

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	10.0	11.09		ug/L		111	77 - 120
1,2-Dibromoethane	10.0	9.919		ug/L		99	80 - 120
1,2-Dichlorobenzene	10.0	10.19		ug/L		102	80 - 120
1,2-Dichloroethane	10.0	10.87		ug/L		109	80 - 122
Benzene	10.0	10.81		ug/L		108	80 - 120
Carbon tetrachloride	10.0	10.07		ug/L		101	80 - 129
Chlorobenzene	10.0	10.20		ug/L		102	80 - 120
Ethylbenzene	10.0	10.33		ug/L		103	80 - 120
Methyl-t-Butyl Ether (MTBE)	10.0	9.929		ug/L		99	75 - 123
o-Xylene	10.0	10.53		ug/L		105	80 - 120
m,p-Xylene	20.0	21.09		ug/L		105	80 - 120
Toluene	10.0	10.46		ug/L		105	80 - 120
Trichloroethene	10.0	10.96		ug/L		110	80 - 120
Vinyl chloride	10.0	11.58		ug/L		116	63 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	113		80 - 128
4-Bromofluorobenzene (Surr)	102		68 - 120

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-18811-1

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

Lab Sample ID: LCS 570-46291/4

Matrix: Water

Analysis Batch: 46291

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane	111		80 - 127
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: LCSD 570-46291/5

Matrix: Water

Analysis Batch: 46291

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-Dichloroethene	10.0	10.50		ug/L		105	77 - 120	5	26
1,2-Dibromoethane	10.0	9.988		ug/L		100	80 - 120	1	32
1,2-Dichlorobenzene	10.0	9.831		ug/L		98	80 - 120	4	30
1,2-Dichloroethane	10.0	10.51		ug/L		105	80 - 122	3	23
Benzene	10.0	10.10		ug/L		101	80 - 120	7	22
Carbon tetrachloride	10.0	9.292		ug/L		93	80 - 129	8	36
Chlorobenzene	10.0	9.757		ug/L		98	80 - 120	4	29
Ethylbenzene	10.0	9.836		ug/L		98	80 - 120	5	25
Methyl-t-Butyl Ether (MTBE)	10.0	9.881		ug/L		99	75 - 123	0	27
o-Xylene	10.0	10.13		ug/L		101	80 - 120	4	30
m,p-Xylene	20.0	20.22		ug/L		101	80 - 120	4	30
Toluene	10.0	9.790		ug/L		98	80 - 120	7	28
Trichloroethene	10.0	9.956		ug/L		100	80 - 120	10	25
Vinyl chloride	10.0	10.58		ug/L		106	63 - 135	9	30

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	114		80 - 128
4-Bromofluorobenzene (Surr)	104		68 - 120
Dibromofluoromethane	110		80 - 127
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: 570-18811-5 MS

Matrix: Water

Analysis Batch: 46291

Client Sample ID: UAX-03

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.54	F2	10.0	7.542		ug/L		70	66 - 126
1,2-Dibromoethane	ND		10.0	8.004		ug/L		80	75 - 126
1,2-Dichlorobenzene	ND	F1 F2	10.0	6.893	F1	ug/L		69	75 - 125
1,2-Dichloroethane	ND	F2	10.0	8.023		ug/L		80	75 - 127
Benzene	ND	F1 F2	10.0	6.768	F1	ug/L		68	75 - 125
Carbon tetrachloride	ND	F1 F2	10.0	5.876	F1	ug/L		59	69 - 135
Chlorobenzene	ND	F1 F2	10.0	6.576	F1	ug/L		66	75 - 125
Ethylbenzene	ND	F1 F2	10.0	6.223	F1	ug/L		62	75 - 125
Methyl-t-Butyl Ether (MTBE)	ND		10.0	7.437		ug/L		74	71 - 131
o-Xylene	ND	F1 F2	10.0	6.598	F1	ug/L		66	75 - 127
m,p-Xylene	ND	F1 F2	20.0	13.11	F1	ug/L		66	75 - 125
Toluene	ND	F1 F2	10.0	6.377	F1	ug/L		64	75 - 125
Trichloroethene	9.7	F1	10.0	16.38	F1	ug/L		67	75 - 125
Vinyl chloride	ND	F2	10.0	6.175		ug/L		62	52 - 142

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-18811-1

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

Lab Sample ID: 570-18811-5 MS

Matrix: Water

Analysis Batch: 46291

Client Sample ID: UAX-03

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	114		80 - 128
4-Bromofluorobenzene (Surr)	104		68 - 120
Dibromofluoromethane	111		80 - 127
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: 570-18811-5 MSD

Matrix: Water

Analysis Batch: 46291

Client Sample ID: UAX-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-Dichloroethene	0.54	F2	10.0	10.71	F2	ug/L		102	66 - 126	35	20
1,2-Dibromoethane	ND		10.0	9.181		ug/L		92	75 - 126	14	20
1,2-Dichlorobenzene	ND	F1 F2	10.0	8.959	F2	ug/L		90	75 - 125	26	20
1,2-Dichloroethane	ND	F2	10.0	9.926	F2	ug/L		99	75 - 127	21	20
Benzene	ND	F1 F2	10.0	9.352	F2	ug/L		94	75 - 125	32	20
Carbon tetrachloride	ND	F1 F2	10.0	9.012	F2	ug/L		90	69 - 135	42	20
Chlorobenzene	ND	F1 F2	10.0	8.807	F2	ug/L		88	75 - 125	29	20
Ethylbenzene	ND	F1 F2	10.0	8.949	F2	ug/L		89	75 - 125	36	20
Methyl-t-Butyl Ether (MTBE)	ND		10.0	8.967		ug/L		90	71 - 131	19	20
o-Xylene	ND	F1 F2	10.0	9.159	F2	ug/L		92	75 - 127	33	20
m,p-Xylene	ND	F1 F2	20.0	18.29	F2	ug/L		91	75 - 125	33	20
Toluene	ND	F1 F2	10.0	9.134	F2	ug/L		91	75 - 125	36	20
Trichloroethene	9.7	F1	10.0	19.59		ug/L		99	75 - 125	18	20
Vinyl chloride	ND	F2	10.0	8.411	F2	ug/L		84	52 - 142	31	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	115		80 - 128
4-Bromofluorobenzene (Surr)	104		68 - 120
Dibromofluoromethane	112		80 - 127
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: MB 570-46453/7

Matrix: Water

Analysis Batch: 46453

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	0.070	ug/L			01/24/20 23:49	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			01/24/20 23:49	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			01/24/20 23:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			01/24/20 23:49	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			01/24/20 23:49	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			01/24/20 23:49	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			01/24/20 23:49	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			01/24/20 23:49	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			01/24/20 23:49	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			01/24/20 23:49	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			01/24/20 23:49	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			01/24/20 23:49	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-18811-1

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

Lab Sample ID: MB 570-46453/7

Matrix: Water

Analysis Batch: 46453

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			01/24/20 23:49	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			01/24/20 23:49	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			01/24/20 23:49	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			01/24/20 23:49	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			01/24/20 23:49	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			01/24/20 23:49	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			01/24/20 23:49	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			01/24/20 23:49	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			01/24/20 23:49	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			01/24/20 23:49	1
2-Butanone	ND		5.0	0.46	ug/L			01/24/20 23:49	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			01/24/20 23:49	1
2-Hexanone	ND		10	0.50	ug/L			01/24/20 23:49	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			01/24/20 23:49	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			01/24/20 23:49	1
Acetone	ND		10	4.0	ug/L			01/24/20 23:49	1
Benzene	ND		0.50	0.072	ug/L			01/24/20 23:49	1
Bromobenzene	ND		0.50	0.061	ug/L			01/24/20 23:49	1
Bromochloromethane	ND		1.0	0.082	ug/L			01/24/20 23:49	1
Bromodichloromethane	ND		0.50	0.053	ug/L			01/24/20 23:49	1
Bromoform	ND		0.50	0.096	ug/L			01/24/20 23:49	1
Bromomethane	ND		2.0	0.99	ug/L			01/24/20 23:49	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			01/24/20 23:49	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			01/24/20 23:49	1
Carbon disulfide	ND		10	0.39	ug/L			01/24/20 23:49	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			01/24/20 23:49	1
Chlorobenzene	ND		0.50	0.088	ug/L			01/24/20 23:49	1
Chloroethane	ND		0.50	0.12	ug/L			01/24/20 23:49	1
Chloroform	ND		0.50	0.062	ug/L			01/24/20 23:49	1
Chloromethane	ND		5.0	2.0	ug/L			01/24/20 23:49	1
Dibromochloromethane	ND		0.50	0.064	ug/L			01/24/20 23:49	1
Dibromomethane	ND		0.50	0.13	ug/L			01/24/20 23:49	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			01/24/20 23:49	1
Ethylbenzene	ND		0.50	0.087	ug/L			01/24/20 23:49	1
Isopropylbenzene	ND		0.50	0.077	ug/L			01/24/20 23:49	1
Methylene Chloride	ND		1.0	0.043	ug/L			01/24/20 23:49	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			01/24/20 23:49	1
Naphthalene	ND		1.0	0.097	ug/L			01/24/20 23:49	1
n-Butylbenzene	ND		0.50	0.11	ug/L			01/24/20 23:49	1
N-Propylbenzene	ND		0.50	0.076	ug/L			01/24/20 23:49	1
o-Xylene	ND		0.50	0.086	ug/L			01/24/20 23:49	1
m,p-Xylene	ND		1.0	0.15	ug/L			01/24/20 23:49	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			01/24/20 23:49	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			01/24/20 23:49	1
Styrene	ND		0.50	0.059	ug/L			01/24/20 23:49	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			01/24/20 23:49	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			01/24/20 23:49	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			01/24/20 23:49	1
Tetrachloroethene	ND		0.50	0.24	ug/L			01/24/20 23:49	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-18811-1

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

Lab Sample ID: MB 570-46453/7

Matrix: Water

Analysis Batch: 46453

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50	0.093	ug/L			01/24/20 23:49	1
Trichloroethene	ND		0.50	0.10	ug/L			01/24/20 23:49	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			01/24/20 23:49	1
Vinyl acetate	ND		5.0	0.70	ug/L			01/24/20 23:49	1
Vinyl chloride	ND		0.50	0.078	ug/L			01/24/20 23:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		80 - 128		01/24/20 23:49	1
4-Bromofluorobenzene (Surr)	97		68 - 120		01/24/20 23:49	1
Dibromofluoromethane	107		80 - 127		01/24/20 23:49	1
Toluene-d8 (Surr)	101		80 - 120		01/24/20 23:49	1

Lab Sample ID: LCS 570-46453/3

Matrix: Water

Analysis Batch: 46453

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	10.0	11.20		ug/L		112	77 - 120
1,2-Dibromoethane	10.0	9.895		ug/L		99	80 - 120
1,2-Dichlorobenzene	10.0	9.762		ug/L		98	80 - 120
1,2-Dichloroethane	10.0	10.09		ug/L		101	80 - 122
Benzene	10.0	10.29		ug/L		103	80 - 120
Carbon tetrachloride	10.0	9.283		ug/L		93	80 - 129
Chlorobenzene	10.0	9.817		ug/L		98	80 - 120
Ethylbenzene	10.0	10.06		ug/L		101	80 - 120
Methyl-t-Butyl Ether (MTBE)	10.0	9.478		ug/L		95	75 - 123
o-Xylene	10.0	10.18		ug/L		102	80 - 120
m,p-Xylene	20.0	20.74		ug/L		104	80 - 120
Toluene	10.0	9.966		ug/L		100	80 - 120
Trichloroethene	10.0	10.28		ug/L		103	80 - 120
Vinyl chloride	10.0	10.87		ug/L		109	63 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	113		80 - 128
4-Bromofluorobenzene (Surr)	104		68 - 120
Dibromofluoromethane	109		80 - 127
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 570-46453/4

Matrix: Water

Analysis Batch: 46453

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-Dichloroethene	10.0	11.03		ug/L		110	77 - 120	2	26
1,2-Dibromoethane	10.0	9.977		ug/L		100	80 - 120	1	32
1,2-Dichlorobenzene	10.0	9.810		ug/L		98	80 - 120	0	30
1,2-Dichloroethane	10.0	10.62		ug/L		106	80 - 122	5	23
Benzene	10.0	10.19		ug/L		102	80 - 120	1	22

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QC Sample Results

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

Job ID: 570-18811-1

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

Lab Sample ID: LCSD 570-46453/4

Matrix: Water

Analysis Batch: 46453

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
Carbon tetrachloride	10.0	9.308		ug/L		93	80 - 129	0	36
Chlorobenzene	10.0	9.664		ug/L		97	80 - 120	2	29
Ethylbenzene	10.0	10.00		ug/L		100	80 - 120	1	25
Methyl-t-Butyl Ether (MTBE)	10.0	9.936		ug/L		99	75 - 123	5	27
o-Xylene	10.0	10.16		ug/L		102	80 - 120	0	30
m,p-Xylene	20.0	20.45		ug/L		102	80 - 120	1	30
Toluene	10.0	9.922		ug/L		99	80 - 120	0	28
Trichloroethene	10.0	10.30		ug/L		103	80 - 120	0	25
Vinyl chloride	10.0	10.54		ug/L		105	63 - 135	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	116		80 - 128
4-Bromofluorobenzene (Surr)	104		68 - 120
Dibromofluoromethane	111		80 - 127
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: MB 570-47276/8

Matrix: Water

Analysis Batch: 47276

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	0.070	ug/L			01/29/20 13:35	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			01/29/20 13:35	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			01/29/20 13:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			01/29/20 13:35	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			01/29/20 13:35	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			01/29/20 13:35	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			01/29/20 13:35	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			01/29/20 13:35	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			01/29/20 13:35	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			01/29/20 13:35	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			01/29/20 13:35	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			01/29/20 13:35	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			01/29/20 13:35	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			01/29/20 13:35	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			01/29/20 13:35	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			01/29/20 13:35	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			01/29/20 13:35	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			01/29/20 13:35	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			01/29/20 13:35	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			01/29/20 13:35	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			01/29/20 13:35	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			01/29/20 13:35	1
2-Butanone	ND		5.0	0.46	ug/L			01/29/20 13:35	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			01/29/20 13:35	1
2-Hexanone	ND		10	0.50	ug/L			01/29/20 13:35	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			01/29/20 13:35	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			01/29/20 13:35	1

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QC Sample Results

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

Job ID: 570-18811-1

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

Lab Sample ID: MB 570-47276/8

Matrix: Water

Analysis Batch: 47276

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	4.0	ug/L			01/29/20 13:35	1
Benzene	ND		0.50	0.072	ug/L			01/29/20 13:35	1
Bromobenzene	ND		0.50	0.061	ug/L			01/29/20 13:35	1
Bromochloromethane	ND		1.0	0.082	ug/L			01/29/20 13:35	1
Bromodichloromethane	ND		0.50	0.053	ug/L			01/29/20 13:35	1
Bromoform	ND		0.50	0.096	ug/L			01/29/20 13:35	1
Bromomethane	ND		2.0	0.99	ug/L			01/29/20 13:35	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			01/29/20 13:35	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			01/29/20 13:35	1
Carbon disulfide	ND		10	0.39	ug/L			01/29/20 13:35	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			01/29/20 13:35	1
Chlorobenzene	ND		0.50	0.088	ug/L			01/29/20 13:35	1
Chloroethane	ND		0.50	0.12	ug/L			01/29/20 13:35	1
Chloroform	ND		0.50	0.062	ug/L			01/29/20 13:35	1
Chloromethane	ND		5.0	2.0	ug/L			01/29/20 13:35	1
Dibromochloromethane	ND		0.50	0.064	ug/L			01/29/20 13:35	1
Dibromomethane	ND		0.50	0.13	ug/L			01/29/20 13:35	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			01/29/20 13:35	1
Ethylbenzene	ND		0.50	0.087	ug/L			01/29/20 13:35	1
Isopropylbenzene	ND		0.50	0.077	ug/L			01/29/20 13:35	1
Methylene Chloride	ND		1.0	0.043	ug/L			01/29/20 13:35	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			01/29/20 13:35	1
Naphthalene	ND		1.0	0.097	ug/L			01/29/20 13:35	1
n-Butylbenzene	ND		0.50	0.11	ug/L			01/29/20 13:35	1
N-Propylbenzene	ND		0.50	0.076	ug/L			01/29/20 13:35	1
o-Xylene	ND		0.50	0.086	ug/L			01/29/20 13:35	1
m,p-Xylene	ND		1.0	0.15	ug/L			01/29/20 13:35	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			01/29/20 13:35	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			01/29/20 13:35	1
Styrene	ND		0.50	0.059	ug/L			01/29/20 13:35	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			01/29/20 13:35	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			01/29/20 13:35	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			01/29/20 13:35	1
Tetrachloroethene	ND		0.50	0.24	ug/L			01/29/20 13:35	1
Toluene	ND		0.50	0.093	ug/L			01/29/20 13:35	1
Trichloroethene	ND		0.50	0.10	ug/L			01/29/20 13:35	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			01/29/20 13:35	1
Vinyl acetate	ND		5.0	0.70	ug/L			01/29/20 13:35	1
Vinyl chloride	ND		0.50	0.078	ug/L			01/29/20 13:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 128		01/29/20 13:35	1
4-Bromofluorobenzene (Surr)	96		68 - 120		01/29/20 13:35	1
Dibromofluoromethane	99		80 - 127		01/29/20 13:35	1
Toluene-d8 (Surr)	100		80 - 120		01/29/20 13:35	1

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QC Sample Results

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

Job ID: 570-18811-1

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

Lab Sample ID: LCS 570-47276/4

Matrix: Water

Analysis Batch: 47276

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	10.0	10.02		ug/L		100	77 - 120
1,2-Dibromoethane	10.0	10.74		ug/L		107	80 - 120
1,2-Dichlorobenzene	10.0	10.81		ug/L		108	80 - 120
1,2-Dichloroethane	10.0	10.54		ug/L		105	80 - 122
Benzene	10.0	10.78		ug/L		108	80 - 120
Carbon tetrachloride	10.0	10.40		ug/L		104	80 - 129
Chlorobenzene	10.0	10.80		ug/L		108	80 - 120
Ethylbenzene	10.0	10.84		ug/L		108	80 - 120
Methyl-t-Butyl Ether (MTBE)	10.0	10.43		ug/L		104	75 - 123
o-Xylene	10.0	11.03		ug/L		110	80 - 120
m,p-Xylene	20.0	22.27		ug/L		111	80 - 120
Toluene	10.0	10.75		ug/L		108	80 - 120
Trichloroethene	10.0	10.74		ug/L		107	80 - 120
Vinyl chloride	10.0	10.49		ug/L		105	63 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		80 - 128
4-Bromofluorobenzene (Surr)	100		68 - 120
Dibromofluoromethane	97		80 - 127
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCSD 570-47276/5

Matrix: Water

Analysis Batch: 47276

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-Dichloroethene	10.0	9.392		ug/L		94	77 - 120	6	26
1,2-Dibromoethane	10.0	10.29		ug/L		103	80 - 120	4	32
1,2-Dichlorobenzene	10.0	10.46		ug/L		105	80 - 120	3	30
1,2-Dichloroethane	10.0	10.20		ug/L		102	80 - 122	3	23
Benzene	10.0	10.39		ug/L		104	80 - 120	4	22
Carbon tetrachloride	10.0	10.15		ug/L		101	80 - 129	3	36
Chlorobenzene	10.0	10.35		ug/L		103	80 - 120	4	29
Ethylbenzene	10.0	10.34		ug/L		103	80 - 120	5	25
Methyl-t-Butyl Ether (MTBE)	10.0	10.16		ug/L		102	75 - 123	3	27
o-Xylene	10.0	10.55		ug/L		105	80 - 120	4	30
m,p-Xylene	20.0	21.14		ug/L		106	80 - 120	5	30
Toluene	10.0	10.17		ug/L		102	80 - 120	6	28
Trichloroethene	10.0	9.907		ug/L		99	80 - 120	8	25
Vinyl chloride	10.0	9.968		ug/L		100	63 - 135	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		80 - 128
4-Bromofluorobenzene (Surr)	101		68 - 120
Dibromofluoromethane	99		80 - 127
Toluene-d8 (Surr)	99		80 - 120

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-18811-1

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

Lab Sample ID: MB 570-46409/1-A

Matrix: Water

Analysis Batch: 47140

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 46409

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L		01/24/20 14:29	01/28/20 18:42	1
Isotope Dilution	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	48		15 - 150				01/24/20 14:29	01/28/20 18:42	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	96		46 - 128				01/24/20 14:29	01/28/20 18:42	1

Lab Sample ID: LCS 570-46409/2-A

Matrix: Water

Analysis Batch: 47140

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 46409

Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
1,4-Dioxane		20.0	23.59		ug/L		118	57 - 136	
Isotope Dilution	%Recovery	LCS Qualifier	Limits						
1,4-Dioxane-d8	49		15 - 150						
Surrogate	%Recovery	LCS Qualifier	Limits						
Nitrobenzene-d5	86		46 - 128						

Lab Sample ID: LCSD 570-46409/3-A

Matrix: Water

Analysis Batch: 47140

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 46409

Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,4-Dioxane		20.0	24.60		ug/L		123	57 - 136	4	20
Isotope Dilution	%Recovery	LCSD Qualifier	Limits							
1,4-Dioxane-d8	52		15 - 150							
Surrogate	%Recovery	LCSD Qualifier	Limits							
Nitrobenzene-d5	92		46 - 128							

Lab Sample ID: 570-18811-5 MS

Matrix: Water

Analysis Batch: 47140

Client Sample ID: UAX-03

Prep Type: Total/NA

Prep Batch: 46409

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
1,4-Dioxane	ND		20.0	25.95		ug/L		130	45 - 139	
Isotope Dilution	%Recovery	MS Qualifier	Limits							
1,4-Dioxane-d8	49		15 - 150							
Surrogate	%Recovery	MS Qualifier	Limits							
Nitrobenzene-d5	88		46 - 128							

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-18811-1

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

Lab Sample ID: 570-18811-5 MSD

Matrix: Water

Analysis Batch: 47140

Client Sample ID: UAX-03

Prep Type: Total/NA

Prep Batch: 46409

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	24.86		ug/L	-	124	45 - 139	4	17
Isotope Dilution											
	MSD	MSD									
	%Recovery	Qualifier	Limits								
1,4-Dioxane-d8	48		15 - 150								
Surrogate											
	MSD	MSD									
	%Recovery	Qualifier	Limits								
Nitrobenzene-d5	91		46 - 128								

QC Association Summary

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

Job ID: 570-18811-1

GC/MS VOA

Analysis Batch: 46291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-18811-1	TB-012020	Total/NA	Water	8260B	
570-18811-2	HEW-02	Total/NA	Water	8260B	
570-18811-3	HEW-05	Total/NA	Water	8260B	
570-18811-4	TB-012120	Total/NA	Water	8260B	
570-18811-5	UAX-03	Total/NA	Water	8260B	
570-18811-6	HEW-04	Total/NA	Water	8260B	
570-18811-7	LAX-02	Total/NA	Water	8260B	
570-18811-8	RB-012120	Total/NA	Water	8260B	
570-18811-9	LAX-01	Total/NA	Water	8260B	
570-18811-10	LAX-03	Total/NA	Water	8260B	
MB 570-46291/8	Method Blank	Total/NA	Water	8260B	
LCS 570-46291/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-46291/5	Lab Control Sample Dup	Total/NA	Water	8260B	
570-18811-5 MS	UAX-03	Total/NA	Water	8260B	
570-18811-5 MSD	UAX-03	Total/NA	Water	8260B	

Analysis Batch: 46453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-18811-13	HEW-01	Total/NA	Water	8260B	
570-18811-14	HEW-0100	Total/NA	Water	8260B	
570-18811-15	HEW-03	Total/NA	Water	8260B	
MB 570-46453/7	Method Blank	Total/NA	Water	8260B	
LCS 570-46453/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-46453/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 47276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-18811-11	UAX-02	Total/NA	Water	8260B	
570-18811-12	UAX-01	Total/NA	Water	8260B	
MB 570-47276/8	Method Blank	Total/NA	Water	8260B	
LCS 570-47276/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-47276/5	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 46409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-18811-2	HEW-02	Total/NA	Water	3510C	
570-18811-3	HEW-05	Total/NA	Water	3510C	
570-18811-5	UAX-03	Total/NA	Water	3510C	
570-18811-6	HEW-04	Total/NA	Water	3510C	
570-18811-7	LAX-02	Total/NA	Water	3510C	
570-18811-8	RB-012120	Total/NA	Water	3510C	
570-18811-9	LAX-01	Total/NA	Water	3510C	
570-18811-10	LAX-03	Total/NA	Water	3510C	
570-18811-11	UAX-02	Total/NA	Water	3510C	
570-18811-12	UAX-01	Total/NA	Water	3510C	
570-18811-13	HEW-01	Total/NA	Water	3510C	
570-18811-14	HEW-0100	Total/NA	Water	3510C	
570-18811-15	HEW-03	Total/NA	Water	3510C	
MB 570-46409/1-A	Method Blank	Total/NA	Water	3510C	

Eurofins Calscience LLC

QC Association Summary

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

Job ID: 570-18811-1

GC/MS Semi VOA (Continued)

Prep Batch: 46409 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-46409/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-46409/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
570-18811-5 MS	UAX-03	Total/NA	Water	3510C	
570-18811-5 MSD	UAX-03	Total/NA	Water	3510C	

Analysis Batch: 47140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-18811-2	HEW-02	Total/NA	Water	8270C SIM ID	46409
570-18811-3	HEW-05	Total/NA	Water	8270C SIM ID	46409
570-18811-5	UAX-03	Total/NA	Water	8270C SIM ID	46409
570-18811-6	HEW-04	Total/NA	Water	8270C SIM ID	46409
570-18811-7	LAX-02	Total/NA	Water	8270C SIM ID	46409
570-18811-8	RB-012120	Total/NA	Water	8270C SIM ID	46409
570-18811-9	LAX-01	Total/NA	Water	8270C SIM ID	46409
570-18811-10	LAX-03	Total/NA	Water	8270C SIM ID	46409
570-18811-11	UAX-02	Total/NA	Water	8270C SIM ID	46409
570-18811-12	UAX-01	Total/NA	Water	8270C SIM ID	46409
570-18811-13	HEW-01	Total/NA	Water	8270C SIM ID	46409
570-18811-14	HEW-0100	Total/NA	Water	8270C SIM ID	46409
570-18811-15	HEW-03	Total/NA	Water	8270C SIM ID	46409
MB 570-46409/1-A	Method Blank	Total/NA	Water	8270C SIM ID	46409
LCS 570-46409/2-A	Lab Control Sample	Total/NA	Water	8270C SIM ID	46409
LCSD 570-46409/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM ID	46409
570-18811-5 MS	UAX-03	Total/NA	Water	8270C SIM ID	46409
570-18811-5 MSD	UAX-03	Total/NA	Water	8270C SIM ID	46409

Lab Chronicle

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

Job ID: 570-18811-1

Client Sample ID: TB-012020

Lab Sample ID: 570-18811-1

Date Collected: 01/20/20 08:00

Matrix: Water

Date Received: 01/23/20 18:50

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	46291	01/24/20 15:19	UJHB	ECL 2
Instrument ID: GCMSL										

Client Sample ID: HEW-02

Lab Sample ID: 570-18811-2

Date Collected: 01/20/20 12:24

Matrix: Water

Date Received: 01/23/20 18:50

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	46291	01/24/20 16:13	UJHB	ECL 2
Instrument ID: GCMSL										
Total/NA	Prep	3510C			100 mL	10 mL	46409	01/24/20 14:29	UCH7	ECL 1
Total/NA	Analysis	8270C SIM ID		1			47140	01/28/20 23:07	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: HEW-05

Lab Sample ID: 570-18811-3

Date Collected: 01/20/20 12:49

Matrix: Water

Date Received: 01/23/20 18:50

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	46291	01/24/20 16:40	UJHB	ECL 2
Instrument ID: GCMSL										
Total/NA	Prep	3510C			100 mL	10 mL	46409	01/24/20 14:29	UCH7	ECL 1
Total/NA	Analysis	8270C SIM ID		1			47140	01/28/20 23:22	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: TB-012120

Lab Sample ID: 570-18811-4

Date Collected: 01/21/20 08:00

Matrix: Water

Date Received: 01/23/20 18:50

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	46291	01/24/20 15:46	UJHB	ECL 2
Instrument ID: GCMSL										

Client Sample ID: UAX-03

Lab Sample ID: 570-18811-5

Date Collected: 01/21/20 08:44

Matrix: Water

Date Received: 01/23/20 18:50

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	46291	01/24/20 13:32	UJHB	ECL 2
Instrument ID: GCMSL										
Total/NA	Prep	3510C			100 mL	10 mL	46409	01/24/20 14:29	UCH7	ECL 1
Total/NA	Analysis	8270C SIM ID		1			47140	01/28/20 23:38	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Eurofins Calscience LLC

Lab Chronicle

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

Job ID: 570-18811-1

Client Sample ID: HEW-04

Date Collected: 01/21/20 09:11

Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-6

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		4	20 mL	20 mL	46291	01/24/20 17:07	UJHB	ECL 2
		Instrument ID: GCMSL								
Total/NA	Prep	3510C			100 mL	10 mL	46409	01/24/20 14:29	UCH7	ECL 1
Total/NA	Analysis	8270C SIM ID		1			47140	01/28/20 23:53	AJ2Q	ECL 1
		Instrument ID: GCMSDDD								

Client Sample ID: LAX-02

Date Collected: 01/21/20 09:48

Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-7

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	46291	01/24/20 18:27	UJHB	ECL 2
		Instrument ID: GCMSL								
Total/NA	Prep	3510C			100 mL	10 mL	46409	01/24/20 14:29	UCH7	ECL 1
Total/NA	Analysis	8270C SIM ID		1			47140	01/29/20 00:09	AJ2Q	ECL 1
		Instrument ID: GCMSDDD								

Client Sample ID: RB-012120

Date Collected: 01/21/20 09:54

Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-8

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	46291	01/24/20 18:54	UJHB	ECL 2
		Instrument ID: GCMSL								
Total/NA	Prep	3510C			100 mL	10 mL	46409	01/24/20 14:29	UCH7	ECL 1
Total/NA	Analysis	8270C SIM ID		1			47140	01/29/20 00:24	AJ2Q	ECL 1
		Instrument ID: GCMSDDD								

Client Sample ID: LAX-01

Date Collected: 01/21/20 10:22

Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-9

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	46291	01/24/20 19:21	UJHB	ECL 2
		Instrument ID: GCMSL								
Total/NA	Prep	3510C			100 mL	10 mL	46409	01/24/20 14:29	UCH7	ECL 1
Total/NA	Analysis	8270C SIM ID		1			47140	01/29/20 00:40	AJ2Q	ECL 1
		Instrument ID: GCMSDDD								

Client Sample ID: LAX-03

Date Collected: 01/21/20 10:51

Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-10

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	46291	01/24/20 19:48	UJHB	ECL 2
		Instrument ID: GCMSL								

Eurofins Calscience LLC

Lab Chronicle

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

Job ID: 570-18811-1

Client Sample ID: LAX-03

Date Collected: 01/21/20 10:51

Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-10

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 mL	10 mL	46409	01/24/20 14:29	UCH7	ECL 1
Total/NA	Analysis	8270C SIM ID		1			47140	01/29/20 00:56	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: UAX-02

Date Collected: 01/21/20 11:02

Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-11

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	47276	01/29/20 16:19	UJHB	ECL 2
Instrument ID: GCMSL										
Total/NA	Prep	3510C			100 mL	10 mL	46409	01/24/20 14:29	UCH7	ECL 1
Total/NA	Analysis	8270C SIM ID		1			47140	01/29/20 01:11	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: UAX-01

Date Collected: 01/21/20 12:51

Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-12

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	47276	01/29/20 16:46	UJHB	ECL 2
Instrument ID: GCMSL										
Total/NA	Prep	3510C			100 mL	10 mL	46409	01/24/20 14:29	UCH7	ECL 1
Total/NA	Analysis	8270C SIM ID		1			47140	01/29/20 01:27	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: HEW-01

Date Collected: 01/21/20 13:06

Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-13

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		20	20 mL	20 mL	46453	01/25/20 00:16	UJHB	ECL 2
Instrument ID: GCMSL										
Total/NA	Prep	3510C			100 mL	10 mL	46409	01/24/20 14:29	UCH7	ECL 1
Total/NA	Analysis	8270C SIM ID		1			47140	01/29/20 01:42	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: HEW-0100

Date Collected: 01/21/20 13:12

Date Received: 01/23/20 18:50

Lab Sample ID: 570-18811-14

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		20	20 mL	20 mL	46453	01/25/20 00:43	UJHB	ECL 2
Instrument ID: GCMSL										

Eurofins Calscience LLC

Lab Chronicle

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

Job ID: 570-18811-1

Client Sample ID: HEW-0100

Lab Sample ID: 570-18811-14

Date Collected: 01/21/20 13:12

Matrix: Water

Date Received: 01/23/20 18:50

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	46409	01/24/20 14:29	UCH7	ECL 1
Total/NA	Analysis	8270C SIM ID		1			47140	01/29/20 01:58	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: HEW-03

Lab Sample ID: 570-18811-15

Date Collected: 01/21/20 13:29

Matrix: Water

Date Received: 01/23/20 18:50

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	46453	01/25/20 01:10	UJHB	ECL 2
Instrument ID: GCMSL										
Total/NA	Prep	3510C			100 mL	10 mL	46409	01/24/20 14:29	UCH7	ECL 1
Total/NA	Analysis	8270C SIM ID		1			47140	01/29/20 02:13	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: Building 684 - Raytheon / 764.10

Job ID: 570-18811-1

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
Arizona	State	AZ0781	03-13-20
California	Los Angeles County Sanitation Districts	10109	09-29-20
California	SCAQMD LAP	17LA0919	11-30-20
California	State	2944	09-29-20
Guam	State	20-003R	10-31-20
Hawaii	State	<cert No.>	07-02-20
Nevada	State	CA00111	07-31-20
Washington	State	C916-18	10-11-20

Method Summary

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

Job ID: 570-18811-1

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

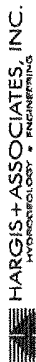
Client: Hargis + Associates, Inc.
Project/Site: Building 684 - Raytheon / 764.10

Job ID: 570-18811-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-18811-1	TB-012020	Water	01/20/20 08:00	01/23/20 18:50	
570-18811-2	HEW-02	Water	01/20/20 12:24	01/23/20 18:50	
570-18811-3	HEW-05	Water	01/20/20 12:49	01/23/20 18:50	
570-18811-4	TB-012120	Water	01/21/20 08:00	01/23/20 18:50	
570-18811-5	UAX-03	Water	01/21/20 08:44	01/23/20 18:50	
570-18811-6	HEW-04	Water	01/21/20 09:11	01/23/20 18:50	
570-18811-7	LAX-02	Water	01/21/20 09:48	01/23/20 18:50	
570-18811-8	RB-012120	Water	01/21/20 09:54	01/23/20 18:50	
570-18811-9	LAX-01	Water	01/21/20 10:22	01/23/20 18:50	
570-18811-10	LAX-03	Water	01/21/20 10:51	01/23/20 18:50	
570-18811-11	UAX-02	Water	01/21/20 11:02	01/23/20 18:50	
570-18811-12	UAX-01	Water	01/21/20 12:51	01/23/20 18:50	
570-18811-13	HEW-01	Water	01/21/20 13:06	01/23/20 18:50	
570-18811-14	HEW-0100	Water	01/21/20 13:12	01/23/20 18:50	
570-18811-15	HEW-03	Water	01/21/20 13:29	01/23/20 18:50	



570-18811 Chain of Custody

HARGIS + ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERING

PROJECT: Building 684 - Raytheon

TASK NO.: 764.10

Project Manager Ken Puentes

QA Manager Tyler Evans

Phone 858-455-6500

1/20/20-
Date: 1/21/20
Page 1 of 2

Project	LAB ID	Sampled By:	SAMPLE COLLECTION		MATRIX	PRESERVATION	CONTAINERS	ANALYSIS REQUESTED	ESTIMATED CONCENTRATION	SPECIAL HANDLING	REMARKS
			Date	Time							
BCI Fullerton 764.10		A. Schell A. Jenson									
	1	TS-012020	1/20/20	0800	Groundwater		500 mL Amber	VOCs by EPA 8260B	1,4-Dioxane by 8270 MOD	Standard TAT	
	2	HEW-02	1/20/20	1224	Lab prepared water	Hydrochloric Acid (HCl)	40-mL VOA				
	3	HEW-05	1/20/20	1249							
	4	TS-012120	1/21/20	0800							
	5	LAX-03	1/21/20	0844							
	6	HEW-04	1/21/20	0911							
	7	LAX-02	1/21/20	0948							
	8	RB-012120	1/21/20	0954							
	9	LAX-01	1/21/20	1022							
	10	LAX-03	1/21/20	1051							

Total number of containers per analysis:

Relinquished By: / Company:

1/22/2000
1325

Relinquished By: / Company:

1/22/201850

Date / Time Received By: / Company

1/22/201325

Date / Time Received By: / Company

1/22/201850

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

Send Results to:

Ken Puentes

9171 Towne Centre Drive
Suite 375

San Diego, CA 92122

Ph: 858-455-6500

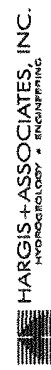
kpuentes@hargis.com

Temperature on receipt

2.411.5 2.511.6 SC6

18811

Date: 1/21/20
Page 2 of 2



PROJECT: Building 684 - Raytheon
TASK NO.: 764.10

Project Manager Ken Puentes
QA Manager Tyler Evans
Phone 858-455-6500

Project	Sampled By:	SAMPLE COLLECTION	
BCI Fullerton 764.10	N. Scholl A. Jensen	Date	Time
11	UAX-02	1/21/20	1102
12	UAX-01	1/21/20	1251
13	HEW-01	1/21/20	1306
14	HEW-0100	1/21/20	1312
15	HEW-03	1/21/20	1329

MATRIX	PRESERVATION	CONTAINERS	ANALYSIS REQUESTED	ESTIMATED CONCENTRATION	SPECIAL HANDLING	REMARKS
Groundwater		500 mL Amber	1,4-Dioxane by 8270 MOD	0-10		
Lab prepared water		40-mL VOA	VOCs by EPA 8260B	100-1,000		
Hydrochloric Acid (HCl)		Ice		>1,000		
					Standard TAT	
						MS/MSD Requested
						REPORT "J" FLAGS
						LOG CODE: HARG
						Geotracker ID:
						T0605900143

Total number of containers per analysis:

Relinquished By: / Company:	Date / Time	Received By: / Company:	Date / Time
MS - Hargis + Associates	1/22/20 1325	Ken Puentes	1/22/20 1325
Relinquished By: / Company:	Date / Time	Received By: / Company:	Date / Time
MS - Hargis + Associates	1/22/20 1350	Ken Puentes	1/22/20 1350

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

Send Results to:
Ken Puentes
9171 Towne Centre Drive
Suite 375
San Diego, CA 92122
Ph: 858-455-6500
kpuentes@hargis.com

Temperature on receipt

Login Sample Receipt Checklist

Client: Hargis + Associates, Inc.

Job Number: 570-18811-1

Login Number: 18811

List Source: Eurofins Calscience

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	
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: 570-28706-1

Client Project/Site: Raytheon Building 684 / 764.10

For:

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

Attn: Steve Netto

Authorized for release by:
6/3/2020 2:36:06 PM

Virendra Patel, Project Manager I
(714)895-5494
virendrapatel@eurofinsus.com

LINKS

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC and 2009 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 Building 684 / 764.10

Job ID: 570-28706-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
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
H	Sample was prepped or analyzed beyond the specified holding time

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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Case Narrative

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

Job ID: 570-28706-1

Job ID: 570-28706-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative 570-28706-1

Comments

No additional comments.

Receipt

The samples were received on 5/20/2020 10:35 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0° 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 570-72407.

Method 8260B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 570-72407 recovered outside control limits for the following analytes: Vinyl acetate.

Method 8260B: The lot test of the laboratory trip blank water associated with 200507A indicated a detection above the method detection limit (MDL) for the following analyte(s): Methylene Chloride. All other samples associated with the job were ND for Methylene Chloride.

Method 8260B: The method blank for analytical batch 570-72407 contained Chloroform above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8260B: The method blank for analytical batch 570-72427 contained Chloroform above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-72427.

Method 8260B: The method blank for analytical batch 570-72531 contained Chloroform above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

Method 3510C: The following sample was re-prepared outside of preparation holding time due to high surrogate HEW-0400 (570-28706-4).

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: Raytheon Building 684 / 764.10

Job ID: 570-28706-1

Client Sample ID: TB-051920

Lab Sample ID: 570-28706-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Methylene Chloride	0.72	J	1.0	0.043	ug/L	1			8260B	Total/NA

Client Sample ID: UAX-03

Lab Sample ID: 570-28706-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethene	0.55		0.50	0.10	ug/L	1			8260B	Total/NA
Chloroform	0.098	J B	0.50	0.062	ug/L	1			8260B	Total/NA
Trichloroethene	9.8		0.50	0.10	ug/L	1			8260B	Total/NA

Client Sample ID: HEW-04

Lab Sample ID: 570-28706-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethene	1.5	J	2.0	0.41	ug/L	4			8260B	Total/NA
Chloroform	0.54	J B	2.0	0.25	ug/L	4			8260B	Total/NA
Tetrachloroethene	1.8	J	2.0	0.97	ug/L	4			8260B	Total/NA
Trichloroethene	110		2.0	0.41	ug/L	4			8260B	Total/NA
1,4-Dioxane	7.8		0.50	0.18	ug/L	1			8270C SIM ID	Total/NA

Client Sample ID: HEW-0400

Lab Sample ID: 570-28706-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethane	0.19	J	0.50	0.060	ug/L	1			8260B	Total/NA
1,1-Dichloroethene	1.3		0.50	0.10	ug/L	1			8260B	Total/NA
cis-1,2-Dichloroethene	0.39	J	0.50	0.11	ug/L	1			8260B	Total/NA
Chloroform	0.066	J B	0.50	0.062	ug/L	1			8260B	Total/NA
Tetrachloroethene	1.5		0.50	0.24	ug/L	1			8260B	Total/NA
Trichloroethene - DL	110		4.0	0.81	ug/L	8			8260B	Total/NA
1,4-Dioxane	7.0	H	0.50	0.18	ug/L	1			8270C SIM ID	Total/NA

Client Sample ID: LAX-01

Lab Sample ID: 570-28706-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Trichloroethene	0.17	J	0.50	0.10	ug/L	1			8260B	Total/NA

Client Sample ID: HEW-02

Lab Sample ID: 570-28706-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chloroform	0.68	J B	2.0	0.25	ug/L	4			8260B	Total/NA
Trichloroethene	120		2.0	0.41	ug/L	4			8260B	Total/NA

Client Sample ID: HEW-05

Lab Sample ID: 570-28706-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.6		2.0	0.43	ug/L	4			8260B	Total/NA
Chloroform	0.49	J B	2.0	0.25	ug/L	4			8260B	Total/NA
Trichloroethene	120		2.0	0.41	ug/L	4			8260B	Total/NA

Client Sample ID: LAX-03

Lab Sample ID: 570-28706-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Trichloroethene	0.37	J	0.50	0.10	ug/L	1			8260B	Total/NA

Client Sample ID: RB-051920

Lab Sample ID: 570-28706-9

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Detection Summary

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

Job ID: 570-28706-1

Client Sample ID: LAX-02

Lab Sample ID: 570-28706-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.13	J	0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: UAX-02

Lab Sample ID: 570-28706-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.14	J	0.50	0.060	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	3.0		0.50	0.10	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.13	J	0.50	0.11	ug/L	1		8260B	Total/NA
Trichloroethene	4.2		0.50	0.10	ug/L	1		8260B	Total/NA
1,4-Dioxane	1.3		0.50	0.18	ug/L	1		8270C SIM ID	Total/NA

Client Sample ID: HEW-01

Lab Sample ID: 570-28706-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.4	J	10	2.1	ug/L	20		8260B	Total/NA
Chloroform	3.2	J B	10	1.2	ug/L	20		8260B	Total/NA
Tetrachloroethene	7.7	J	10	4.8	ug/L	20		8260B	Total/NA
Trichloroethene	560		10	2.0	ug/L	20		8260B	Total/NA
1,4-Dioxane	2.4		0.50	0.18	ug/L	1		8270C SIM ID	Total/NA

Client Sample ID: HEW-03

Lab Sample ID: 570-28706-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.74	J	2.0	0.41	ug/L	4		8260B	Total/NA
Chloroform	0.37	J B	2.0	0.25	ug/L	4		8260B	Total/NA
Tetrachloroethene	1.8	J	2.0	0.97	ug/L	4		8260B	Total/NA
Trichloroethene	95		2.0	0.41	ug/L	4		8260B	Total/NA

Client Sample ID: UAX-01

Lab Sample ID: 570-28706-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.8		0.50	0.10	ug/L	1		8260B	Total/NA
Trichloroethene	2.3		0.50	0.10	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: Raytheon Building 684 / 764.10

Job ID: 570-28706-1

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

Client Sample ID: TB-051920

Date Collected: 05/19/20 08:00

Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-1

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/31/20 01:33	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			05/31/20 01:33	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			05/31/20 01:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			05/31/20 01:33	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			05/31/20 01:33	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			05/31/20 01:33	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/31/20 01:33	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			05/31/20 01:33	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			05/31/20 01:33	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			05/31/20 01:33	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			05/31/20 01:33	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			05/31/20 01:33	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			05/31/20 01:33	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			05/31/20 01:33	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			05/31/20 01:33	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			05/31/20 01:33	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			05/31/20 01:33	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			05/31/20 01:33	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			05/31/20 01:33	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			05/31/20 01:33	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			05/31/20 01:33	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			05/31/20 01:33	1
2-Butanone	ND		5.0	0.46	ug/L			05/31/20 01:33	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			05/31/20 01:33	1
2-Hexanone	ND		10	0.50	ug/L			05/31/20 01:33	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			05/31/20 01:33	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			05/31/20 01:33	1
Acetone	ND		10	4.0	ug/L			05/31/20 01:33	1
Benzene	ND		0.50	0.072	ug/L			05/31/20 01:33	1
Bromobenzene	ND		0.50	0.061	ug/L			05/31/20 01:33	1
Bromochloromethane	ND		1.0	0.082	ug/L			05/31/20 01:33	1
Bromodichloromethane	ND		0.50	0.053	ug/L			05/31/20 01:33	1
Bromoform	ND		0.50	0.096	ug/L			05/31/20 01:33	1
Bromomethane	ND		2.0	0.99	ug/L			05/31/20 01:33	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			05/31/20 01:33	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			05/31/20 01:33	1
Carbon disulfide	ND		10	0.39	ug/L			05/31/20 01:33	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			05/31/20 01:33	1
Chlorobenzene	ND		0.50	0.088	ug/L			05/31/20 01:33	1
Chloroethane	ND		0.50	0.12	ug/L			05/31/20 01:33	1
Chloroform	ND		0.50	0.062	ug/L			05/31/20 01:33	1
Chloromethane	ND		5.0	2.0	ug/L			05/31/20 01:33	1
Dibromochloromethane	ND		0.50	0.064	ug/L			05/31/20 01:33	1
Dibromomethane	ND		0.50	0.13	ug/L			05/31/20 01:33	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			05/31/20 01:33	1
Ethylbenzene	ND		0.50	0.087	ug/L			05/31/20 01:33	1
Isopropylbenzene	ND		0.50	0.077	ug/L			05/31/20 01:33	1
Methylene Chloride	0.72	J	1.0	0.043	ug/L			05/31/20 01:33	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			05/31/20 01:33	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-28706-1

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

Client Sample ID: TB-051920
Date Collected: 05/19/20 08:00
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			05/31/20 01:33	1
n-Butylbenzene	ND		0.50	0.11	ug/L			05/31/20 01:33	1
N-Propylbenzene	ND		0.50	0.076	ug/L			05/31/20 01:33	1
o-Xylene	ND		0.50	0.086	ug/L			05/31/20 01:33	1
m,p-Xylene	ND		1.0	0.15	ug/L			05/31/20 01:33	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			05/31/20 01:33	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			05/31/20 01:33	1
Styrene	ND		0.50	0.059	ug/L			05/31/20 01:33	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			05/31/20 01:33	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			05/31/20 01:33	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			05/31/20 01:33	1
Tetrachloroethene	ND		0.50	0.24	ug/L			05/31/20 01:33	1
Toluene	ND		0.50	0.093	ug/L			05/31/20 01:33	1
Trichloroethene	ND		0.50	0.10	ug/L			05/31/20 01:33	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/31/20 01:33	1
Vinyl acetate	ND	* *1	5.0	0.70	ug/L			05/31/20 01:33	1
Vinyl chloride	ND		0.50	0.078	ug/L			05/31/20 01:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 128		05/31/20 01:33	1
4-Bromofluorobenzene (Surr)	99		68 - 120		05/31/20 01:33	1
Dibromofluoromethane	98		80 - 127		05/31/20 01:33	1
Toluene-d8 (Surr)	100		80 - 120		05/31/20 01:33	1

Client Sample ID: UAX-03
Date Collected: 05/19/20 09:07
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			06/01/20 12:59	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			06/01/20 12:59	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			06/01/20 12:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			06/01/20 12:59	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			06/01/20 12:59	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			06/01/20 12:59	1
1,1-Dichloroethene	0.55		0.50	0.10	ug/L			06/01/20 12:59	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			06/01/20 12:59	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			06/01/20 12:59	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			06/01/20 12:59	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			06/01/20 12:59	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			06/01/20 12:59	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			06/01/20 12:59	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			06/01/20 12:59	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			06/01/20 12:59	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			06/01/20 12:59	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			06/01/20 12:59	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			06/01/20 12:59	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			06/01/20 12:59	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			06/01/20 12:59	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			06/01/20 12:59	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			06/01/20 12:59	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-28706-1

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

Client Sample ID: UAX-03
Date Collected: 05/19/20 09:07
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			06/01/20 12:59	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			06/01/20 12:59	1
2-Hexanone	ND		10	0.50	ug/L			06/01/20 12:59	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			06/01/20 12:59	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			06/01/20 12:59	1
Acetone	ND		10	4.0	ug/L			06/01/20 12:59	1
Benzene	ND		0.50	0.072	ug/L			06/01/20 12:59	1
Bromobenzene	ND		0.50	0.061	ug/L			06/01/20 12:59	1
Bromochloromethane	ND		1.0	0.082	ug/L			06/01/20 12:59	1
Bromodichloromethane	ND		0.50	0.053	ug/L			06/01/20 12:59	1
Bromoform	ND		0.50	0.096	ug/L			06/01/20 12:59	1
Bromomethane	ND		2.0	0.99	ug/L			06/01/20 12:59	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			06/01/20 12:59	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			06/01/20 12:59	1
Carbon disulfide	ND		10	0.39	ug/L			06/01/20 12:59	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			06/01/20 12:59	1
Chlorobenzene	ND		0.50	0.088	ug/L			06/01/20 12:59	1
Chloroethane	ND		0.50	0.12	ug/L			06/01/20 12:59	1
Chloroform	0.098	J B	0.50	0.062	ug/L			06/01/20 12:59	1
Chloromethane	ND		5.0	2.0	ug/L			06/01/20 12:59	1
Dibromochloromethane	ND		0.50	0.064	ug/L			06/01/20 12:59	1
Dibromomethane	ND		0.50	0.13	ug/L			06/01/20 12:59	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			06/01/20 12:59	1
Ethylbenzene	ND		0.50	0.087	ug/L			06/01/20 12:59	1
Isopropylbenzene	ND		0.50	0.077	ug/L			06/01/20 12:59	1
Methylene Chloride	ND		1.0	0.043	ug/L			06/01/20 12:59	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			06/01/20 12:59	1
Naphthalene	ND		1.0	0.097	ug/L			06/01/20 12:59	1
n-Butylbenzene	ND		0.50	0.11	ug/L			06/01/20 12:59	1
N-Propylbenzene	ND		0.50	0.076	ug/L			06/01/20 12:59	1
o-Xylene	ND		0.50	0.086	ug/L			06/01/20 12:59	1
m,p-Xylene	ND		1.0	0.15	ug/L			06/01/20 12:59	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			06/01/20 12:59	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			06/01/20 12:59	1
Styrene	ND		0.50	0.059	ug/L			06/01/20 12:59	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			06/01/20 12:59	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			06/01/20 12:59	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			06/01/20 12:59	1
Tetrachloroethene	ND		0.50	0.24	ug/L			06/01/20 12:59	1
Toluene	ND		0.50	0.093	ug/L			06/01/20 12:59	1
Trichloroethene	9.8		0.50	0.10	ug/L			06/01/20 12:59	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			06/01/20 12:59	1
Vinyl acetate	ND		5.0	0.70	ug/L			06/01/20 12:59	1
Vinyl chloride	ND		0.50	0.078	ug/L			06/01/20 12:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 128		06/01/20 12:59	1
4-Bromofluorobenzene (Surr)	90		68 - 120		06/01/20 12:59	1
Dibromofluoromethane	96		80 - 127		06/01/20 12:59	1
Toluene-d8 (Surr)	99		80 - 120		06/01/20 12:59	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-28706-1

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

Client Sample ID: HEW-04
Date Collected: 05/19/20 09:25
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.28	ug/L			05/31/20 03:28	4
1,1,1-Trichloroethane	ND		2.0	0.34	ug/L			05/31/20 03:28	4
1,1,2,2-Tetrachloroethane	ND		2.0	0.35	ug/L			05/31/20 03:28	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.50	ug/L			05/31/20 03:28	4
1,1,2-Trichloroethane	ND		2.0	0.28	ug/L			05/31/20 03:28	4
1,1-Dichloroethane	ND		2.0	0.24	ug/L			05/31/20 03:28	4
1,1-Dichloroethene	1.5	J	2.0	0.41	ug/L			05/31/20 03:28	4
1,1-Dichloropropene	ND		2.0	0.28	ug/L			05/31/20 03:28	4
1,2,3-Trichlorobenzene	ND		2.0	0.47	ug/L			05/31/20 03:28	4
1,2,3-Trichloropropane	ND		4.0	0.31	ug/L			05/31/20 03:28	4
1,2,4-Trichlorobenzene	ND		2.0	0.36	ug/L			05/31/20 03:28	4
1,2,4-Trimethylbenzene	ND		2.0	0.27	ug/L			05/31/20 03:28	4
1,2-Dibromo-3-Chloropropane	ND		20	2.1	ug/L			05/31/20 03:28	4
1,2-Dibromoethane	ND		2.0	0.24	ug/L			05/31/20 03:28	4
1,2-Dichlorobenzene	ND		2.0	0.33	ug/L			05/31/20 03:28	4
1,2-Dichloroethane	ND		2.0	0.30	ug/L			05/31/20 03:28	4
1,2-Dichloropropane	ND		2.0	0.39	ug/L			05/31/20 03:28	4
1,3,5-Trimethylbenzene	ND		2.0	0.31	ug/L			05/31/20 03:28	4
1,3-Dichlorobenzene	ND		2.0	0.39	ug/L			05/31/20 03:28	4
1,3-Dichloropropane	ND		4.0	0.33	ug/L			05/31/20 03:28	4
1,4-Dichlorobenzene	ND		2.0	0.29	ug/L			05/31/20 03:28	4
2,2-Dichloropropane	ND		4.0	1.5	ug/L			05/31/20 03:28	4
2-Butanone	ND		20	1.8	ug/L			05/31/20 03:28	4
2-Chlorotoluene	ND		2.0	0.23	ug/L			05/31/20 03:28	4
2-Hexanone	ND		40	2.0	ug/L			05/31/20 03:28	4
4-Chlorotoluene	ND		2.0	0.36	ug/L			05/31/20 03:28	4
4-Methyl-2-pentanone	ND		20	1.7	ug/L			05/31/20 03:28	4
Acetone	ND		40	16	ug/L			05/31/20 03:28	4
Benzene	ND		2.0	0.29	ug/L			05/31/20 03:28	4
Bromobenzene	ND		2.0	0.24	ug/L			05/31/20 03:28	4
Bromochloromethane	ND		4.0	0.33	ug/L			05/31/20 03:28	4
Bromodichloromethane	ND		2.0	0.21	ug/L			05/31/20 03:28	4
Bromoform	ND		2.0	0.39	ug/L			05/31/20 03:28	4
Bromomethane	ND		8.0	4.0	ug/L			05/31/20 03:28	4
cis-1,2-Dichloroethene	ND		2.0	0.43	ug/L			05/31/20 03:28	4
cis-1,3-Dichloropropene	ND		2.0	0.38	ug/L			05/31/20 03:28	4
Carbon disulfide	ND		40	1.5	ug/L			05/31/20 03:28	4
Carbon tetrachloride	ND		2.0	0.23	ug/L			05/31/20 03:28	4
Chlorobenzene	ND		2.0	0.35	ug/L			05/31/20 03:28	4
Chloroethane	ND		2.0	0.47	ug/L			05/31/20 03:28	4
Chloroform	0.54	J B	2.0	0.25	ug/L			05/31/20 03:28	4
Chloromethane	ND		20	7.8	ug/L			05/31/20 03:28	4
Dibromochloromethane	ND		2.0	0.25	ug/L			05/31/20 03:28	4
Dibromomethane	ND		2.0	0.50	ug/L			05/31/20 03:28	4
Dichlorodifluoromethane	ND		4.0	0.40	ug/L			05/31/20 03:28	4
Ethylbenzene	ND		2.0	0.35	ug/L			05/31/20 03:28	4
Isopropylbenzene	ND		2.0	0.31	ug/L			05/31/20 03:28	4
Methylene Chloride	ND		4.0	0.17	ug/L			05/31/20 03:28	4
Methyl-t-Butyl Ether (MTBE)	ND		2.0	0.27	ug/L			05/31/20 03:28	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-28706-1

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

Client Sample ID: HEW-04

Date Collected: 05/19/20 09:25

Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.0	0.39	ug/L			05/31/20 03:28	4
n-Butylbenzene	ND		2.0	0.43	ug/L			05/31/20 03:28	4
N-Propylbenzene	ND		2.0	0.31	ug/L			05/31/20 03:28	4
o-Xylene	ND		2.0	0.34	ug/L			05/31/20 03:28	4
m,p-Xylene	ND		4.0	0.59	ug/L			05/31/20 03:28	4
p-Isopropyltoluene	ND		2.0	0.29	ug/L			05/31/20 03:28	4
sec-Butylbenzene	ND		2.0	0.38	ug/L			05/31/20 03:28	4
Styrene	ND		2.0	0.23	ug/L			05/31/20 03:28	4
trans-1,2-Dichloroethene	ND		2.0	0.33	ug/L			05/31/20 03:28	4
trans-1,3-Dichloropropene	ND		2.0	0.21	ug/L			05/31/20 03:28	4
tert-Butylbenzene	ND		2.0	0.33	ug/L			05/31/20 03:28	4
Tetrachloroethene	1.8	J	2.0	0.97	ug/L			05/31/20 03:28	4
Toluene	ND		2.0	0.37	ug/L			05/31/20 03:28	4
Trichloroethene	110		2.0	0.41	ug/L			05/31/20 03:28	4
Trichlorofluoromethane	ND		2.0	0.41	ug/L			05/31/20 03:28	4
Vinyl acetate	ND	* *1	20	2.8	ug/L			05/31/20 03:28	4
Vinyl chloride	ND		2.0	0.31	ug/L			05/31/20 03:28	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 128		05/31/20 03:28	4
4-Bromofluorobenzene (Surr)	101		68 - 120		05/31/20 03:28	4
Dibromofluoromethane	98		80 - 127		05/31/20 03:28	4
Toluene-d8 (Surr)	98		80 - 120		05/31/20 03:28	4

Client Sample ID: HEW-0400

Date Collected: 05/19/20 09:30

Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-4

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/31/20 12:06	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			05/31/20 12:06	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			05/31/20 12:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			05/31/20 12:06	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			05/31/20 12:06	1
1,1-Dichloroethane	0.19	J	0.50	0.060	ug/L			05/31/20 12:06	1
1,1-Dichloroethene	1.3		0.50	0.10	ug/L			05/31/20 12:06	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			05/31/20 12:06	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			05/31/20 12:06	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			05/31/20 12:06	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			05/31/20 12:06	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			05/31/20 12:06	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			05/31/20 12:06	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			05/31/20 12:06	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			05/31/20 12:06	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			05/31/20 12:06	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			05/31/20 12:06	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			05/31/20 12:06	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			05/31/20 12:06	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			05/31/20 12:06	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			05/31/20 12:06	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			05/31/20 12:06	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-28706-1

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

Client Sample ID: HEW-0400
Date Collected: 05/19/20 09:30
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			05/31/20 12:06	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			05/31/20 12:06	1
2-Hexanone	ND		10	0.50	ug/L			05/31/20 12:06	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			05/31/20 12:06	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			05/31/20 12:06	1
Acetone	ND		10	4.0	ug/L			05/31/20 12:06	1
Benzene	ND		0.50	0.072	ug/L			05/31/20 12:06	1
Bromobenzene	ND		0.50	0.061	ug/L			05/31/20 12:06	1
Bromochloromethane	ND		1.0	0.082	ug/L			05/31/20 12:06	1
Bromodichloromethane	ND		0.50	0.053	ug/L			05/31/20 12:06	1
Bromoform	ND		0.50	0.096	ug/L			05/31/20 12:06	1
Bromomethane	ND		2.0	0.99	ug/L			05/31/20 12:06	1
cis-1,2-Dichloroethene	0.39	J	0.50	0.11	ug/L			05/31/20 12:06	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			05/31/20 12:06	1
Carbon disulfide	ND		10	0.39	ug/L			05/31/20 12:06	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			05/31/20 12:06	1
Chlorobenzene	ND		0.50	0.088	ug/L			05/31/20 12:06	1
Chloroethane	ND		0.50	0.12	ug/L			05/31/20 12:06	1
Chloroform	0.066	J B	0.50	0.062	ug/L			05/31/20 12:06	1
Chloromethane	ND		5.0	2.0	ug/L			05/31/20 12:06	1
Dibromochloromethane	ND		0.50	0.064	ug/L			05/31/20 12:06	1
Dibromomethane	ND		0.50	0.13	ug/L			05/31/20 12:06	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			05/31/20 12:06	1
Ethylbenzene	ND		0.50	0.087	ug/L			05/31/20 12:06	1
Isopropylbenzene	ND		0.50	0.077	ug/L			05/31/20 12:06	1
Methylene Chloride	ND		1.0	0.043	ug/L			05/31/20 12:06	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			05/31/20 12:06	1
Naphthalene	ND		1.0	0.097	ug/L			05/31/20 12:06	1
n-Butylbenzene	ND		0.50	0.11	ug/L			05/31/20 12:06	1
N-Propylbenzene	ND		0.50	0.076	ug/L			05/31/20 12:06	1
o-Xylene	ND		0.50	0.086	ug/L			05/31/20 12:06	1
m,p-Xylene	ND		1.0	0.15	ug/L			05/31/20 12:06	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			05/31/20 12:06	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			05/31/20 12:06	1
Styrene	ND		0.50	0.059	ug/L			05/31/20 12:06	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			05/31/20 12:06	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			05/31/20 12:06	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			05/31/20 12:06	1
Tetrachloroethene	1.5		0.50	0.24	ug/L			05/31/20 12:06	1
Toluene	ND		0.50	0.093	ug/L			05/31/20 12:06	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/31/20 12:06	1
Vinyl acetate	ND		5.0	0.70	ug/L			05/31/20 12:06	1
Vinyl chloride	ND		0.50	0.078	ug/L			05/31/20 12:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 128		05/31/20 12:06	1
4-Bromofluorobenzene (Surr)	92		68 - 120		05/31/20 12:06	1
Dibromofluoromethane	99		80 - 127		05/31/20 12:06	1
Toluene-d8 (Surr)	100		80 - 120		05/31/20 12:06	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-28706-1

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

Client Sample ID: LAX-01

Date Collected: 05/19/20 10:20

Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/31/20 07:19	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			05/31/20 07:19	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			05/31/20 07:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			05/31/20 07:19	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			05/31/20 07:19	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			05/31/20 07:19	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/31/20 07:19	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			05/31/20 07:19	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			05/31/20 07:19	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			05/31/20 07:19	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			05/31/20 07:19	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			05/31/20 07:19	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			05/31/20 07:19	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			05/31/20 07:19	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			05/31/20 07:19	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			05/31/20 07:19	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			05/31/20 07:19	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			05/31/20 07:19	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			05/31/20 07:19	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			05/31/20 07:19	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			05/31/20 07:19	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			05/31/20 07:19	1
2-Butanone	ND		5.0	0.46	ug/L			05/31/20 07:19	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			05/31/20 07:19	1
2-Hexanone	ND		10	0.50	ug/L			05/31/20 07:19	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			05/31/20 07:19	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			05/31/20 07:19	1
Acetone	ND		10	4.0	ug/L			05/31/20 07:19	1
Benzene	ND		0.50	0.072	ug/L			05/31/20 07:19	1
Bromobenzene	ND		0.50	0.061	ug/L			05/31/20 07:19	1
Bromochloromethane	ND		1.0	0.082	ug/L			05/31/20 07:19	1
Bromodichloromethane	ND		0.50	0.053	ug/L			05/31/20 07:19	1
Bromoform	ND		0.50	0.096	ug/L			05/31/20 07:19	1
Bromomethane	ND		2.0	0.99	ug/L			05/31/20 07:19	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			05/31/20 07:19	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			05/31/20 07:19	1
Carbon disulfide	ND		10	0.39	ug/L			05/31/20 07:19	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			05/31/20 07:19	1
Chlorobenzene	ND		0.50	0.088	ug/L			05/31/20 07:19	1
Chloroethane	ND		0.50	0.12	ug/L			05/31/20 07:19	1
Chloroform	ND		0.50	0.062	ug/L			05/31/20 07:19	1
Chloromethane	ND		5.0	2.0	ug/L			05/31/20 07:19	1
Dibromochloromethane	ND		0.50	0.064	ug/L			05/31/20 07:19	1
Dibromomethane	ND		0.50	0.13	ug/L			05/31/20 07:19	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			05/31/20 07:19	1
Ethylbenzene	ND		0.50	0.087	ug/L			05/31/20 07:19	1
Isopropylbenzene	ND		0.50	0.077	ug/L			05/31/20 07:19	1
Methylene Chloride	ND		1.0	0.043	ug/L			05/31/20 07:19	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			05/31/20 07:19	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-28706-1

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

Client Sample ID: LAX-01

Date Collected: 05/19/20 10:20

Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			05/31/20 07:19	1
n-Butylbenzene	ND		0.50	0.11	ug/L			05/31/20 07:19	1
N-Propylbenzene	ND		0.50	0.076	ug/L			05/31/20 07:19	1
o-Xylene	ND		0.50	0.086	ug/L			05/31/20 07:19	1
m,p-Xylene	ND		1.0	0.15	ug/L			05/31/20 07:19	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			05/31/20 07:19	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			05/31/20 07:19	1
Styrene	ND		0.50	0.059	ug/L			05/31/20 07:19	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			05/31/20 07:19	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			05/31/20 07:19	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			05/31/20 07:19	1
Tetrachloroethene	ND		0.50	0.24	ug/L			05/31/20 07:19	1
Toluene	ND		0.50	0.093	ug/L			05/31/20 07:19	1
Trichloroethene	0.17	J	0.50	0.10	ug/L			05/31/20 07:19	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/31/20 07:19	1
Vinyl acetate	ND		5.0	0.70	ug/L			05/31/20 07:19	1
Vinyl chloride	ND		0.50	0.078	ug/L			05/31/20 07:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 128		05/31/20 07:19	1
4-Bromofluorobenzene (Surr)	98		68 - 120		05/31/20 07:19	1
Dibromofluoromethane	101		80 - 127		05/31/20 07:19	1
Toluene-d8 (Surr)	99		80 - 120		05/31/20 07:19	1

Client Sample ID: HEW-02

Date Collected: 05/19/20 10:58

Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.28	ug/L			05/31/20 07:47	4
1,1,1-Trichloroethane	ND		2.0	0.34	ug/L			05/31/20 07:47	4
1,1,2,2-Tetrachloroethane	ND		2.0	0.35	ug/L			05/31/20 07:47	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.50	ug/L			05/31/20 07:47	4
1,1,2-Trichloroethane	ND		2.0	0.28	ug/L			05/31/20 07:47	4
1,1-Dichloroethane	ND		2.0	0.24	ug/L			05/31/20 07:47	4
1,1-Dichloroethene	ND		2.0	0.41	ug/L			05/31/20 07:47	4
1,1-Dichloropropene	ND		2.0	0.28	ug/L			05/31/20 07:47	4
1,2,3-Trichlorobenzene	ND		2.0	0.47	ug/L			05/31/20 07:47	4
1,2,3-Trichloropropane	ND		4.0	0.31	ug/L			05/31/20 07:47	4
1,2,4-Trichlorobenzene	ND		2.0	0.36	ug/L			05/31/20 07:47	4
1,2,4-Trimethylbenzene	ND		2.0	0.27	ug/L			05/31/20 07:47	4
1,2-Dibromo-3-Chloropropane	ND		20	2.1	ug/L			05/31/20 07:47	4
1,2-Dibromoethane	ND		2.0	0.24	ug/L			05/31/20 07:47	4
1,2-Dichlorobenzene	ND		2.0	0.33	ug/L			05/31/20 07:47	4
1,2-Dichloroethane	ND		2.0	0.30	ug/L			05/31/20 07:47	4
1,2-Dichloropropane	ND		2.0	0.39	ug/L			05/31/20 07:47	4
1,3,5-Trimethylbenzene	ND		2.0	0.31	ug/L			05/31/20 07:47	4
1,3-Dichlorobenzene	ND		2.0	0.39	ug/L			05/31/20 07:47	4
1,3-Dichloropropane	ND		4.0	0.33	ug/L			05/31/20 07:47	4
1,4-Dichlorobenzene	ND		2.0	0.29	ug/L			05/31/20 07:47	4
2,2-Dichloropropane	ND		4.0	1.5	ug/L			05/31/20 07:47	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-28706-1

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

Client Sample ID: HEW-02
Date Collected: 05/19/20 10:58
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		20	1.8	ug/L			05/31/20 07:47	4
2-Chlorotoluene	ND		2.0	0.23	ug/L			05/31/20 07:47	4
2-Hexanone	ND		40	2.0	ug/L			05/31/20 07:47	4
4-Chlorotoluene	ND		2.0	0.36	ug/L			05/31/20 07:47	4
4-Methyl-2-pentanone	ND		20	1.7	ug/L			05/31/20 07:47	4
Acetone	ND		40	16	ug/L			05/31/20 07:47	4
Benzene	ND		2.0	0.29	ug/L			05/31/20 07:47	4
Bromobenzene	ND		2.0	0.24	ug/L			05/31/20 07:47	4
Bromochloromethane	ND		4.0	0.33	ug/L			05/31/20 07:47	4
Bromodichloromethane	ND		2.0	0.21	ug/L			05/31/20 07:47	4
Bromoform	ND		2.0	0.39	ug/L			05/31/20 07:47	4
Bromomethane	ND		8.0	4.0	ug/L			05/31/20 07:47	4
cis-1,2-Dichloroethene	ND		2.0	0.43	ug/L			05/31/20 07:47	4
cis-1,3-Dichloropropene	ND		2.0	0.38	ug/L			05/31/20 07:47	4
Carbon disulfide	ND		40	1.5	ug/L			05/31/20 07:47	4
Carbon tetrachloride	ND		2.0	0.23	ug/L			05/31/20 07:47	4
Chlorobenzene	ND		2.0	0.35	ug/L			05/31/20 07:47	4
Chloroethane	ND		2.0	0.47	ug/L			05/31/20 07:47	4
Chloroform	0.68	J B	2.0	0.25	ug/L			05/31/20 07:47	4
Chloromethane	ND		20	7.8	ug/L			05/31/20 07:47	4
Dibromochloromethane	ND		2.0	0.25	ug/L			05/31/20 07:47	4
Dibromomethane	ND		2.0	0.50	ug/L			05/31/20 07:47	4
Dichlorodifluoromethane	ND		4.0	0.40	ug/L			05/31/20 07:47	4
Ethylbenzene	ND		2.0	0.35	ug/L			05/31/20 07:47	4
Isopropylbenzene	ND		2.0	0.31	ug/L			05/31/20 07:47	4
Methylene Chloride	ND		4.0	0.17	ug/L			05/31/20 07:47	4
Methyl-t-Butyl Ether (MTBE)	ND		2.0	0.27	ug/L			05/31/20 07:47	4
Naphthalene	ND		4.0	0.39	ug/L			05/31/20 07:47	4
n-Butylbenzene	ND		2.0	0.43	ug/L			05/31/20 07:47	4
N-Propylbenzene	ND		2.0	0.31	ug/L			05/31/20 07:47	4
o-Xylene	ND		2.0	0.34	ug/L			05/31/20 07:47	4
m,p-Xylene	ND		4.0	0.59	ug/L			05/31/20 07:47	4
p-Isopropyltoluene	ND		2.0	0.29	ug/L			05/31/20 07:47	4
sec-Butylbenzene	ND		2.0	0.38	ug/L			05/31/20 07:47	4
Styrene	ND		2.0	0.23	ug/L			05/31/20 07:47	4
trans-1,2-Dichloroethene	ND		2.0	0.33	ug/L			05/31/20 07:47	4
trans-1,3-Dichloropropene	ND		2.0	0.21	ug/L			05/31/20 07:47	4
tert-Butylbenzene	ND		2.0	0.33	ug/L			05/31/20 07:47	4
Tetrachloroethene	ND		2.0	0.97	ug/L			05/31/20 07:47	4
Toluene	ND		2.0	0.37	ug/L			05/31/20 07:47	4
Trichloroethene	120		2.0	0.41	ug/L			05/31/20 07:47	4
Trichlorofluoromethane	ND		2.0	0.41	ug/L			05/31/20 07:47	4
Vinyl acetate	ND		20	2.8	ug/L			05/31/20 07:47	4
Vinyl chloride	ND		2.0	0.31	ug/L			05/31/20 07:47	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 128		05/31/20 07:47	4
4-Bromofluorobenzene (Surr)	95		68 - 120		05/31/20 07:47	4
Dibromofluoromethane	97		80 - 127		05/31/20 07:47	4
Toluene-d8 (Surr)	98		80 - 120		05/31/20 07:47	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-28706-1

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

Client Sample ID: HEW-05
Date Collected: 05/19/20 11:20
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.28	ug/L			05/31/20 08:16	4
1,1,1-Trichloroethane	ND		2.0	0.34	ug/L			05/31/20 08:16	4
1,1,2,2-Tetrachloroethane	ND		2.0	0.35	ug/L			05/31/20 08:16	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.50	ug/L			05/31/20 08:16	4
1,1,2-Trichloroethane	ND		2.0	0.28	ug/L			05/31/20 08:16	4
1,1-Dichloroethane	ND		2.0	0.24	ug/L			05/31/20 08:16	4
1,1-Dichloroethene	ND		2.0	0.41	ug/L			05/31/20 08:16	4
1,1-Dichloropropene	ND		2.0	0.28	ug/L			05/31/20 08:16	4
1,2,3-Trichlorobenzene	ND		2.0	0.47	ug/L			05/31/20 08:16	4
1,2,3-Trichloropropane	ND		4.0	0.31	ug/L			05/31/20 08:16	4
1,2,4-Trichlorobenzene	ND		2.0	0.36	ug/L			05/31/20 08:16	4
1,2,4-Trimethylbenzene	ND		2.0	0.27	ug/L			05/31/20 08:16	4
1,2-Dibromo-3-Chloropropane	ND		20	2.1	ug/L			05/31/20 08:16	4
1,2-Dibromoethane	ND		2.0	0.24	ug/L			05/31/20 08:16	4
1,2-Dichlorobenzene	ND		2.0	0.33	ug/L			05/31/20 08:16	4
1,2-Dichloroethane	ND		2.0	0.30	ug/L			05/31/20 08:16	4
1,2-Dichloropropane	ND		2.0	0.39	ug/L			05/31/20 08:16	4
1,3,5-Trimethylbenzene	ND		2.0	0.31	ug/L			05/31/20 08:16	4
1,3-Dichlorobenzene	ND		2.0	0.39	ug/L			05/31/20 08:16	4
1,3-Dichloropropane	ND		4.0	0.33	ug/L			05/31/20 08:16	4
1,4-Dichlorobenzene	ND		2.0	0.29	ug/L			05/31/20 08:16	4
2,2-Dichloropropane	ND		4.0	1.5	ug/L			05/31/20 08:16	4
2-Butanone	ND		20	1.8	ug/L			05/31/20 08:16	4
2-Chlorotoluene	ND		2.0	0.23	ug/L			05/31/20 08:16	4
2-Hexanone	ND		40	2.0	ug/L			05/31/20 08:16	4
4-Chlorotoluene	ND		2.0	0.36	ug/L			05/31/20 08:16	4
4-Methyl-2-pentanone	ND		20	1.7	ug/L			05/31/20 08:16	4
Acetone	ND		40	16	ug/L			05/31/20 08:16	4
Benzene	ND		2.0	0.29	ug/L			05/31/20 08:16	4
Bromobenzene	ND		2.0	0.24	ug/L			05/31/20 08:16	4
Bromochloromethane	ND		4.0	0.33	ug/L			05/31/20 08:16	4
Bromodichloromethane	ND		2.0	0.21	ug/L			05/31/20 08:16	4
Bromoform	ND		2.0	0.39	ug/L			05/31/20 08:16	4
Bromomethane	ND		8.0	4.0	ug/L			05/31/20 08:16	4
cis-1,2-Dichloroethene	6.6		2.0	0.43	ug/L			05/31/20 08:16	4
cis-1,3-Dichloropropene	ND		2.0	0.38	ug/L			05/31/20 08:16	4
Carbon disulfide	ND		40	1.5	ug/L			05/31/20 08:16	4
Carbon tetrachloride	ND		2.0	0.23	ug/L			05/31/20 08:16	4
Chlorobenzene	ND		2.0	0.35	ug/L			05/31/20 08:16	4
Chloroethane	ND		2.0	0.47	ug/L			05/31/20 08:16	4
Chloroform	0.49	J B	2.0	0.25	ug/L			05/31/20 08:16	4
Chloromethane	ND		20	7.8	ug/L			05/31/20 08:16	4
Dibromochloromethane	ND		2.0	0.25	ug/L			05/31/20 08:16	4
Dibromomethane	ND		2.0	0.50	ug/L			05/31/20 08:16	4
Dichlorodifluoromethane	ND		4.0	0.40	ug/L			05/31/20 08:16	4
Ethylbenzene	ND		2.0	0.35	ug/L			05/31/20 08:16	4
Isopropylbenzene	ND		2.0	0.31	ug/L			05/31/20 08:16	4
Methylene Chloride	ND		4.0	0.17	ug/L			05/31/20 08:16	4
Methyl-t-Butyl Ether (MTBE)	ND		2.0	0.27	ug/L			05/31/20 08:16	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-28706-1

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

Client Sample ID: HEW-05
Date Collected: 05/19/20 11:20
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.0	0.39	ug/L			05/31/20 08:16	4
n-Butylbenzene	ND		2.0	0.43	ug/L			05/31/20 08:16	4
N-Propylbenzene	ND		2.0	0.31	ug/L			05/31/20 08:16	4
o-Xylene	ND		2.0	0.34	ug/L			05/31/20 08:16	4
m,p-Xylene	ND		4.0	0.59	ug/L			05/31/20 08:16	4
p-Isopropyltoluene	ND		2.0	0.29	ug/L			05/31/20 08:16	4
sec-Butylbenzene	ND		2.0	0.38	ug/L			05/31/20 08:16	4
Styrene	ND		2.0	0.23	ug/L			05/31/20 08:16	4
trans-1,2-Dichloroethene	ND		2.0	0.33	ug/L			05/31/20 08:16	4
trans-1,3-Dichloropropene	ND		2.0	0.21	ug/L			05/31/20 08:16	4
tert-Butylbenzene	ND		2.0	0.33	ug/L			05/31/20 08:16	4
Tetrachloroethene	ND		2.0	0.97	ug/L			05/31/20 08:16	4
Toluene	ND		2.0	0.37	ug/L			05/31/20 08:16	4
Trichloroethene	120		2.0	0.41	ug/L			05/31/20 08:16	4
Trichlorofluoromethane	ND		2.0	0.41	ug/L			05/31/20 08:16	4
Vinyl acetate	ND		20	2.8	ug/L			05/31/20 08:16	4
Vinyl chloride	ND		2.0	0.31	ug/L			05/31/20 08:16	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 128		05/31/20 08:16	4
4-Bromofluorobenzene (Surr)	93		68 - 120		05/31/20 08:16	4
Dibromofluoromethane	99		80 - 127		05/31/20 08:16	4
Toluene-d8 (Surr)	98		80 - 120		05/31/20 08:16	4

Client Sample ID: LAX-03
Date Collected: 05/19/20 14:04
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/31/20 08:45	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			05/31/20 08:45	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			05/31/20 08:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			05/31/20 08:45	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			05/31/20 08:45	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			05/31/20 08:45	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/31/20 08:45	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			05/31/20 08:45	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			05/31/20 08:45	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			05/31/20 08:45	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			05/31/20 08:45	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			05/31/20 08:45	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			05/31/20 08:45	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			05/31/20 08:45	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			05/31/20 08:45	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			05/31/20 08:45	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			05/31/20 08:45	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			05/31/20 08:45	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			05/31/20 08:45	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			05/31/20 08:45	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			05/31/20 08:45	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			05/31/20 08:45	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-28706-1

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

Client Sample ID: LAX-03

Date Collected: 05/19/20 14:04

Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-8

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			05/31/20 08:45	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			05/31/20 08:45	1
2-Hexanone	ND		10	0.50	ug/L			05/31/20 08:45	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			05/31/20 08:45	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			05/31/20 08:45	1
Acetone	ND		10	4.0	ug/L			05/31/20 08:45	1
Benzene	ND		0.50	0.072	ug/L			05/31/20 08:45	1
Bromobenzene	ND		0.50	0.061	ug/L			05/31/20 08:45	1
Bromochloromethane	ND		1.0	0.082	ug/L			05/31/20 08:45	1
Bromodichloromethane	ND		0.50	0.053	ug/L			05/31/20 08:45	1
Bromoform	ND		0.50	0.096	ug/L			05/31/20 08:45	1
Bromomethane	ND		2.0	0.99	ug/L			05/31/20 08:45	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			05/31/20 08:45	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			05/31/20 08:45	1
Carbon disulfide	ND		10	0.39	ug/L			05/31/20 08:45	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			05/31/20 08:45	1
Chlorobenzene	ND		0.50	0.088	ug/L			05/31/20 08:45	1
Chloroethane	ND		0.50	0.12	ug/L			05/31/20 08:45	1
Chloroform	ND		0.50	0.062	ug/L			05/31/20 08:45	1
Chloromethane	ND		5.0	2.0	ug/L			05/31/20 08:45	1
Dibromochloromethane	ND		0.50	0.064	ug/L			05/31/20 08:45	1
Dibromomethane	ND		0.50	0.13	ug/L			05/31/20 08:45	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			05/31/20 08:45	1
Ethylbenzene	ND		0.50	0.087	ug/L			05/31/20 08:45	1
Isopropylbenzene	ND		0.50	0.077	ug/L			05/31/20 08:45	1
Methylene Chloride	ND		1.0	0.043	ug/L			05/31/20 08:45	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			05/31/20 08:45	1
Naphthalene	ND		1.0	0.097	ug/L			05/31/20 08:45	1
n-Butylbenzene	ND		0.50	0.11	ug/L			05/31/20 08:45	1
N-Propylbenzene	ND		0.50	0.076	ug/L			05/31/20 08:45	1
o-Xylene	ND		0.50	0.086	ug/L			05/31/20 08:45	1
m,p-Xylene	ND		1.0	0.15	ug/L			05/31/20 08:45	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			05/31/20 08:45	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			05/31/20 08:45	1
Styrene	ND		0.50	0.059	ug/L			05/31/20 08:45	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			05/31/20 08:45	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			05/31/20 08:45	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			05/31/20 08:45	1
Tetrachloroethene	ND		0.50	0.24	ug/L			05/31/20 08:45	1
Toluene	ND		0.50	0.093	ug/L			05/31/20 08:45	1
Trichloroethene	0.37	J	0.50	0.10	ug/L			05/31/20 08:45	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/31/20 08:45	1
Vinyl acetate	ND		5.0	0.70	ug/L			05/31/20 08:45	1
Vinyl chloride	ND		0.50	0.078	ug/L			05/31/20 08:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 128		05/31/20 08:45	1
4-Bromofluorobenzene (Surr)	98		68 - 120		05/31/20 08:45	1
Dibromofluoromethane	100		80 - 127		05/31/20 08:45	1
Toluene-d8 (Surr)	99		80 - 120		05/31/20 08:45	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-28706-1

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

Client Sample ID: RB-051920
Date Collected: 05/19/20 14:21
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/31/20 09:14	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			05/31/20 09:14	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			05/31/20 09:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			05/31/20 09:14	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			05/31/20 09:14	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			05/31/20 09:14	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/31/20 09:14	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			05/31/20 09:14	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			05/31/20 09:14	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			05/31/20 09:14	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			05/31/20 09:14	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			05/31/20 09:14	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			05/31/20 09:14	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			05/31/20 09:14	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			05/31/20 09:14	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			05/31/20 09:14	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			05/31/20 09:14	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			05/31/20 09:14	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			05/31/20 09:14	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			05/31/20 09:14	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			05/31/20 09:14	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			05/31/20 09:14	1
2-Butanone	ND		5.0	0.46	ug/L			05/31/20 09:14	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			05/31/20 09:14	1
2-Hexanone	ND		10	0.50	ug/L			05/31/20 09:14	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			05/31/20 09:14	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			05/31/20 09:14	1
Acetone	ND		10	4.0	ug/L			05/31/20 09:14	1
Benzene	ND		0.50	0.072	ug/L			05/31/20 09:14	1
Bromobenzene	ND		0.50	0.061	ug/L			05/31/20 09:14	1
Bromochloromethane	ND		1.0	0.082	ug/L			05/31/20 09:14	1
Bromodichloromethane	ND		0.50	0.053	ug/L			05/31/20 09:14	1
Bromoform	ND		0.50	0.096	ug/L			05/31/20 09:14	1
Bromomethane	ND		2.0	0.99	ug/L			05/31/20 09:14	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			05/31/20 09:14	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			05/31/20 09:14	1
Carbon disulfide	ND		10	0.39	ug/L			05/31/20 09:14	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			05/31/20 09:14	1
Chlorobenzene	ND		0.50	0.088	ug/L			05/31/20 09:14	1
Chloroethane	ND		0.50	0.12	ug/L			05/31/20 09:14	1
Chloroform	ND		0.50	0.062	ug/L			05/31/20 09:14	1
Chloromethane	ND		5.0	2.0	ug/L			05/31/20 09:14	1
Dibromochloromethane	ND		0.50	0.064	ug/L			05/31/20 09:14	1
Dibromomethane	ND		0.50	0.13	ug/L			05/31/20 09:14	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			05/31/20 09:14	1
Ethylbenzene	ND		0.50	0.087	ug/L			05/31/20 09:14	1
Isopropylbenzene	ND		0.50	0.077	ug/L			05/31/20 09:14	1
Methylene Chloride	ND		1.0	0.043	ug/L			05/31/20 09:14	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			05/31/20 09:14	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-28706-1

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

Client Sample ID: RB-051920
Date Collected: 05/19/20 14:21
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			05/31/20 09:14	1
n-Butylbenzene	ND		0.50	0.11	ug/L			05/31/20 09:14	1
N-Propylbenzene	ND		0.50	0.076	ug/L			05/31/20 09:14	1
o-Xylene	ND		0.50	0.086	ug/L			05/31/20 09:14	1
m,p-Xylene	ND		1.0	0.15	ug/L			05/31/20 09:14	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			05/31/20 09:14	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			05/31/20 09:14	1
Styrene	ND		0.50	0.059	ug/L			05/31/20 09:14	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			05/31/20 09:14	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			05/31/20 09:14	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			05/31/20 09:14	1
Tetrachloroethene	ND		0.50	0.24	ug/L			05/31/20 09:14	1
Toluene	ND		0.50	0.093	ug/L			05/31/20 09:14	1
Trichloroethene	ND		0.50	0.10	ug/L			05/31/20 09:14	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/31/20 09:14	1
Vinyl acetate	ND		5.0	0.70	ug/L			05/31/20 09:14	1
Vinyl chloride	ND		0.50	0.078	ug/L			05/31/20 09:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 128		05/31/20 09:14	1
4-Bromofluorobenzene (Surr)	96		68 - 120		05/31/20 09:14	1
Dibromofluoromethane	100		80 - 127		05/31/20 09:14	1
Toluene-d8 (Surr)	101		80 - 120		05/31/20 09:14	1

Client Sample ID: LAX-02
Date Collected: 05/20/20 08:45
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/31/20 09:42	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			05/31/20 09:42	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			05/31/20 09:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			05/31/20 09:42	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			05/31/20 09:42	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			05/31/20 09:42	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/31/20 09:42	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			05/31/20 09:42	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			05/31/20 09:42	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			05/31/20 09:42	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			05/31/20 09:42	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			05/31/20 09:42	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			05/31/20 09:42	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			05/31/20 09:42	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			05/31/20 09:42	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			05/31/20 09:42	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			05/31/20 09:42	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			05/31/20 09:42	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			05/31/20 09:42	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			05/31/20 09:42	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			05/31/20 09:42	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			05/31/20 09:42	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-28706-1

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

Client Sample ID: LAX-02
Date Collected: 05/20/20 08:45
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			05/31/20 09:42	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			05/31/20 09:42	1
2-Hexanone	ND		10	0.50	ug/L			05/31/20 09:42	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			05/31/20 09:42	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			05/31/20 09:42	1
Acetone	ND		10	4.0	ug/L			05/31/20 09:42	1
Benzene	ND		0.50	0.072	ug/L			05/31/20 09:42	1
Bromobenzene	ND		0.50	0.061	ug/L			05/31/20 09:42	1
Bromochloromethane	ND		1.0	0.082	ug/L			05/31/20 09:42	1
Bromodichloromethane	ND		0.50	0.053	ug/L			05/31/20 09:42	1
Bromoform	ND		0.50	0.096	ug/L			05/31/20 09:42	1
Bromomethane	ND		2.0	0.99	ug/L			05/31/20 09:42	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			05/31/20 09:42	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			05/31/20 09:42	1
Carbon disulfide	ND		10	0.39	ug/L			05/31/20 09:42	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			05/31/20 09:42	1
Chlorobenzene	ND		0.50	0.088	ug/L			05/31/20 09:42	1
Chloroethane	ND		0.50	0.12	ug/L			05/31/20 09:42	1
Chloroform	ND		0.50	0.062	ug/L			05/31/20 09:42	1
Chloromethane	ND		5.0	2.0	ug/L			05/31/20 09:42	1
Dibromochloromethane	ND		0.50	0.064	ug/L			05/31/20 09:42	1
Dibromomethane	ND		0.50	0.13	ug/L			05/31/20 09:42	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			05/31/20 09:42	1
Ethylbenzene	ND		0.50	0.087	ug/L			05/31/20 09:42	1
Isopropylbenzene	ND		0.50	0.077	ug/L			05/31/20 09:42	1
Methylene Chloride	ND		1.0	0.043	ug/L			05/31/20 09:42	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			05/31/20 09:42	1
Naphthalene	ND		1.0	0.097	ug/L			05/31/20 09:42	1
n-Butylbenzene	ND		0.50	0.11	ug/L			05/31/20 09:42	1
N-Propylbenzene	ND		0.50	0.076	ug/L			05/31/20 09:42	1
o-Xylene	ND		0.50	0.086	ug/L			05/31/20 09:42	1
m,p-Xylene	ND		1.0	0.15	ug/L			05/31/20 09:42	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			05/31/20 09:42	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			05/31/20 09:42	1
Styrene	ND		0.50	0.059	ug/L			05/31/20 09:42	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			05/31/20 09:42	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			05/31/20 09:42	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			05/31/20 09:42	1
Tetrachloroethene	ND		0.50	0.24	ug/L			05/31/20 09:42	1
Toluene	ND		0.50	0.093	ug/L			05/31/20 09:42	1
Trichloroethene	0.13	J	0.50	0.10	ug/L			05/31/20 09:42	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/31/20 09:42	1
Vinyl acetate	ND		5.0	0.70	ug/L			05/31/20 09:42	1
Vinyl chloride	ND		0.50	0.078	ug/L			05/31/20 09:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 128		05/31/20 09:42	1
4-Bromofluorobenzene (Surr)	99		68 - 120		05/31/20 09:42	1
Dibromofluoromethane	99		80 - 127		05/31/20 09:42	1
Toluene-d8 (Surr)	100		80 - 120		05/31/20 09:42	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-28706-1

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

Client Sample ID: UAX-02
Date Collected: 05/20/20 09:03
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-11
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/31/20 10:11	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			05/31/20 10:11	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			05/31/20 10:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			05/31/20 10:11	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			05/31/20 10:11	1
1,1-Dichloroethane	0.14	J	0.50	0.060	ug/L			05/31/20 10:11	1
1,1-Dichloroethene	3.0		0.50	0.10	ug/L			05/31/20 10:11	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			05/31/20 10:11	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			05/31/20 10:11	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			05/31/20 10:11	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			05/31/20 10:11	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			05/31/20 10:11	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			05/31/20 10:11	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			05/31/20 10:11	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			05/31/20 10:11	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			05/31/20 10:11	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			05/31/20 10:11	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			05/31/20 10:11	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			05/31/20 10:11	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			05/31/20 10:11	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			05/31/20 10:11	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			05/31/20 10:11	1
2-Butanone	ND		5.0	0.46	ug/L			05/31/20 10:11	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			05/31/20 10:11	1
2-Hexanone	ND		10	0.50	ug/L			05/31/20 10:11	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			05/31/20 10:11	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			05/31/20 10:11	1
Acetone	ND		10	4.0	ug/L			05/31/20 10:11	1
Benzene	ND		0.50	0.072	ug/L			05/31/20 10:11	1
Bromobenzene	ND		0.50	0.061	ug/L			05/31/20 10:11	1
Bromochloromethane	ND		1.0	0.082	ug/L			05/31/20 10:11	1
Bromodichloromethane	ND		0.50	0.053	ug/L			05/31/20 10:11	1
Bromoform	ND		0.50	0.096	ug/L			05/31/20 10:11	1
Bromomethane	ND		2.0	0.99	ug/L			05/31/20 10:11	1
cis-1,2-Dichloroethene	0.13	J	0.50	0.11	ug/L			05/31/20 10:11	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			05/31/20 10:11	1
Carbon disulfide	ND		10	0.39	ug/L			05/31/20 10:11	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			05/31/20 10:11	1
Chlorobenzene	ND		0.50	0.088	ug/L			05/31/20 10:11	1
Chloroethane	ND		0.50	0.12	ug/L			05/31/20 10:11	1
Chloroform	ND		0.50	0.062	ug/L			05/31/20 10:11	1
Chloromethane	ND		5.0	2.0	ug/L			05/31/20 10:11	1
Dibromochloromethane	ND		0.50	0.064	ug/L			05/31/20 10:11	1
Dibromomethane	ND		0.50	0.13	ug/L			05/31/20 10:11	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			05/31/20 10:11	1
Ethylbenzene	ND		0.50	0.087	ug/L			05/31/20 10:11	1
Isopropylbenzene	ND		0.50	0.077	ug/L			05/31/20 10:11	1
Methylene Chloride	ND		1.0	0.043	ug/L			05/31/20 10:11	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			05/31/20 10:11	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-28706-1

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

Client Sample ID: UAX-02
Date Collected: 05/20/20 09:03
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-11
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			05/31/20 10:11	1
n-Butylbenzene	ND		0.50	0.11	ug/L			05/31/20 10:11	1
N-Propylbenzene	ND		0.50	0.076	ug/L			05/31/20 10:11	1
o-Xylene	ND		0.50	0.086	ug/L			05/31/20 10:11	1
m,p-Xylene	ND		1.0	0.15	ug/L			05/31/20 10:11	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			05/31/20 10:11	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			05/31/20 10:11	1
Styrene	ND		0.50	0.059	ug/L			05/31/20 10:11	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			05/31/20 10:11	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			05/31/20 10:11	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			05/31/20 10:11	1
Tetrachloroethene	ND		0.50	0.24	ug/L			05/31/20 10:11	1
Toluene	ND		0.50	0.093	ug/L			05/31/20 10:11	1
Trichloroethene	4.2		0.50	0.10	ug/L			05/31/20 10:11	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/31/20 10:11	1
Vinyl acetate	ND		5.0	0.70	ug/L			05/31/20 10:11	1
Vinyl chloride	ND		0.50	0.078	ug/L			05/31/20 10:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 128		05/31/20 10:11	1
4-Bromofluorobenzene (Surr)	97		68 - 120		05/31/20 10:11	1
Dibromofluoromethane	98		80 - 127		05/31/20 10:11	1
Toluene-d8 (Surr)	100		80 - 120		05/31/20 10:11	1

Client Sample ID: HEW-01
Date Collected: 05/20/20 08:14
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		10	1.4	ug/L			05/31/20 10:40	20
1,1,1-Trichloroethane	ND		10	1.7	ug/L			05/31/20 10:40	20
1,1,2,2-Tetrachloroethane	ND		10	1.7	ug/L			05/31/20 10:40	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	2.5	ug/L			05/31/20 10:40	20
1,1,2-Trichloroethane	ND		10	1.4	ug/L			05/31/20 10:40	20
1,1-Dichloroethane	ND		10	1.2	ug/L			05/31/20 10:40	20
1,1-Dichloroethene	3.4	J	10	2.1	ug/L			05/31/20 10:40	20
1,1-Dichloropropene	ND		10	1.4	ug/L			05/31/20 10:40	20
1,2,3-Trichlorobenzene	ND		10	2.4	ug/L			05/31/20 10:40	20
1,2,3-Trichloropropane	ND		20	1.5	ug/L			05/31/20 10:40	20
1,2,4-Trichlorobenzene	ND		10	1.8	ug/L			05/31/20 10:40	20
1,2,4-Trimethylbenzene	ND		10	1.4	ug/L			05/31/20 10:40	20
1,2-Dibromo-3-Chloropropane	ND		100	10	ug/L			05/31/20 10:40	20
1,2-Dibromoethane	ND		10	1.2	ug/L			05/31/20 10:40	20
1,2-Dichlorobenzene	ND		10	1.6	ug/L			05/31/20 10:40	20
1,2-Dichloroethane	ND		10	1.5	ug/L			05/31/20 10:40	20
1,2-Dichloropropane	ND		10	2.0	ug/L			05/31/20 10:40	20
1,3,5-Trimethylbenzene	ND		10	1.6	ug/L			05/31/20 10:40	20
1,3-Dichlorobenzene	ND		10	2.0	ug/L			05/31/20 10:40	20
1,3-Dichloropropane	ND		20	1.6	ug/L			05/31/20 10:40	20
1,4-Dichlorobenzene	ND		10	1.5	ug/L			05/31/20 10:40	20
2,2-Dichloropropane	ND		20	7.5	ug/L			05/31/20 10:40	20

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-28706-1

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

Client Sample ID: HEW-01
Date Collected: 05/20/20 08:14
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		100	9.2	ug/L			05/31/20 10:40	20
2-Chlorotoluene	ND		10	1.2	ug/L			05/31/20 10:40	20
2-Hexanone	ND		200	10	ug/L			05/31/20 10:40	20
4-Chlorotoluene	ND		10	1.8	ug/L			05/31/20 10:40	20
4-Methyl-2-pentanone	ND		100	8.3	ug/L			05/31/20 10:40	20
Acetone	ND		200	80	ug/L			05/31/20 10:40	20
Benzene	ND		10	1.4	ug/L			05/31/20 10:40	20
Bromobenzene	ND		10	1.2	ug/L			05/31/20 10:40	20
Bromochloromethane	ND		20	1.6	ug/L			05/31/20 10:40	20
Bromodichloromethane	ND		10	1.1	ug/L			05/31/20 10:40	20
Bromoform	ND		10	1.9	ug/L			05/31/20 10:40	20
Bromomethane	ND		40	20	ug/L			05/31/20 10:40	20
cis-1,2-Dichloroethene	ND		10	2.2	ug/L			05/31/20 10:40	20
cis-1,3-Dichloropropene	ND		10	1.9	ug/L			05/31/20 10:40	20
Carbon disulfide	ND		200	7.7	ug/L			05/31/20 10:40	20
Carbon tetrachloride	ND		10	1.1	ug/L			05/31/20 10:40	20
Chlorobenzene	ND		10	1.8	ug/L			05/31/20 10:40	20
Chloroethane	ND		10	2.3	ug/L			05/31/20 10:40	20
Chloroform	3.2	J B	10	1.2	ug/L			05/31/20 10:40	20
Chloromethane	ND		100	39	ug/L			05/31/20 10:40	20
Dibromochloromethane	ND		10	1.3	ug/L			05/31/20 10:40	20
Dibromomethane	ND		10	2.5	ug/L			05/31/20 10:40	20
Dichlorodifluoromethane	ND		20	2.0	ug/L			05/31/20 10:40	20
Ethylbenzene	ND		10	1.7	ug/L			05/31/20 10:40	20
Isopropylbenzene	ND		10	1.5	ug/L			05/31/20 10:40	20
Methylene Chloride	ND		20	0.85	ug/L			05/31/20 10:40	20
Methyl-t-Butyl Ether (MTBE)	ND		10	1.3	ug/L			05/31/20 10:40	20
Naphthalene	ND		20	1.9	ug/L			05/31/20 10:40	20
n-Butylbenzene	ND		10	2.2	ug/L			05/31/20 10:40	20
N-Propylbenzene	ND		10	1.5	ug/L			05/31/20 10:40	20
o-Xylene	ND		10	1.7	ug/L			05/31/20 10:40	20
m,p-Xylene	ND		20	3.0	ug/L			05/31/20 10:40	20
p-Isopropyltoluene	ND		10	1.5	ug/L			05/31/20 10:40	20
sec-Butylbenzene	ND		10	1.9	ug/L			05/31/20 10:40	20
Styrene	ND		10	1.2	ug/L			05/31/20 10:40	20
trans-1,2-Dichloroethene	ND		10	1.6	ug/L			05/31/20 10:40	20
trans-1,3-Dichloropropene	ND		10	1.1	ug/L			05/31/20 10:40	20
tert-Butylbenzene	ND		10	1.6	ug/L			05/31/20 10:40	20
Tetrachloroethene	7.7	J	10	4.8	ug/L			05/31/20 10:40	20
Toluene	ND		10	1.9	ug/L			05/31/20 10:40	20
Trichloroethene	560		10	2.0	ug/L			05/31/20 10:40	20
Trichlorofluoromethane	ND		10	2.1	ug/L			05/31/20 10:40	20
Vinyl acetate	ND		100	14	ug/L			05/31/20 10:40	20
Vinyl chloride	ND		10	1.6	ug/L			05/31/20 10:40	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 128		05/31/20 10:40	20
4-Bromofluorobenzene (Surr)	99		68 - 120		05/31/20 10:40	20
Dibromofluoromethane	100		80 - 127		05/31/20 10:40	20
Toluene-d8 (Surr)	100		80 - 120		05/31/20 10:40	20

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-28706-1

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

Client Sample ID: HEW-03
Date Collected: 05/20/20 09:22
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.28	ug/L			05/31/20 11:09	4
1,1,1-Trichloroethane	ND		2.0	0.34	ug/L			05/31/20 11:09	4
1,1,2,2-Tetrachloroethane	ND		2.0	0.35	ug/L			05/31/20 11:09	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.50	ug/L			05/31/20 11:09	4
1,1,2-Trichloroethane	ND		2.0	0.28	ug/L			05/31/20 11:09	4
1,1-Dichloroethane	ND		2.0	0.24	ug/L			05/31/20 11:09	4
1,1-Dichloroethene	0.74	J	2.0	0.41	ug/L			05/31/20 11:09	4
1,1-Dichloropropene	ND		2.0	0.28	ug/L			05/31/20 11:09	4
1,2,3-Trichlorobenzene	ND		2.0	0.47	ug/L			05/31/20 11:09	4
1,2,3-Trichloropropane	ND		4.0	0.31	ug/L			05/31/20 11:09	4
1,2,4-Trichlorobenzene	ND		2.0	0.36	ug/L			05/31/20 11:09	4
1,2,4-Trimethylbenzene	ND		2.0	0.27	ug/L			05/31/20 11:09	4
1,2-Dibromo-3-Chloropropane	ND		20	2.1	ug/L			05/31/20 11:09	4
1,2-Dibromoethane	ND		2.0	0.24	ug/L			05/31/20 11:09	4
1,2-Dichlorobenzene	ND		2.0	0.33	ug/L			05/31/20 11:09	4
1,2-Dichloroethane	ND		2.0	0.30	ug/L			05/31/20 11:09	4
1,2-Dichloropropane	ND		2.0	0.39	ug/L			05/31/20 11:09	4
1,3,5-Trimethylbenzene	ND		2.0	0.31	ug/L			05/31/20 11:09	4
1,3-Dichlorobenzene	ND		2.0	0.39	ug/L			05/31/20 11:09	4
1,3-Dichloropropane	ND		4.0	0.33	ug/L			05/31/20 11:09	4
1,4-Dichlorobenzene	ND		2.0	0.29	ug/L			05/31/20 11:09	4
2,2-Dichloropropane	ND		4.0	1.5	ug/L			05/31/20 11:09	4
2-Butanone	ND		20	1.8	ug/L			05/31/20 11:09	4
2-Chlorotoluene	ND		2.0	0.23	ug/L			05/31/20 11:09	4
2-Hexanone	ND		40	2.0	ug/L			05/31/20 11:09	4
4-Chlorotoluene	ND		2.0	0.36	ug/L			05/31/20 11:09	4
4-Methyl-2-pentanone	ND		20	1.7	ug/L			05/31/20 11:09	4
Acetone	ND		40	16	ug/L			05/31/20 11:09	4
Benzene	ND		2.0	0.29	ug/L			05/31/20 11:09	4
Bromobenzene	ND		2.0	0.24	ug/L			05/31/20 11:09	4
Bromochloromethane	ND		4.0	0.33	ug/L			05/31/20 11:09	4
Bromodichloromethane	ND		2.0	0.21	ug/L			05/31/20 11:09	4
Bromoform	ND		2.0	0.39	ug/L			05/31/20 11:09	4
Bromomethane	ND		8.0	4.0	ug/L			05/31/20 11:09	4
cis-1,2-Dichloroethene	ND		2.0	0.43	ug/L			05/31/20 11:09	4
cis-1,3-Dichloropropene	ND		2.0	0.38	ug/L			05/31/20 11:09	4
Carbon disulfide	ND		40	1.5	ug/L			05/31/20 11:09	4
Carbon tetrachloride	ND		2.0	0.23	ug/L			05/31/20 11:09	4
Chlorobenzene	ND		2.0	0.35	ug/L			05/31/20 11:09	4
Chloroethane	ND		2.0	0.47	ug/L			05/31/20 11:09	4
Chloroform	0.37	J B	2.0	0.25	ug/L			05/31/20 11:09	4
Chloromethane	ND		20	7.8	ug/L			05/31/20 11:09	4
Dibromochloromethane	ND		2.0	0.25	ug/L			05/31/20 11:09	4
Dibromomethane	ND		2.0	0.50	ug/L			05/31/20 11:09	4
Dichlorodifluoromethane	ND		4.0	0.40	ug/L			05/31/20 11:09	4
Ethylbenzene	ND		2.0	0.35	ug/L			05/31/20 11:09	4
Isopropylbenzene	ND		2.0	0.31	ug/L			05/31/20 11:09	4
Methylene Chloride	ND		4.0	0.17	ug/L			05/31/20 11:09	4
Methyl-t-Butyl Ether (MTBE)	ND		2.0	0.27	ug/L			05/31/20 11:09	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-28706-1

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

Client Sample ID: HEW-03

Date Collected: 05/20/20 09:22

Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-13

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.0	0.39	ug/L			05/31/20 11:09	4
n-Butylbenzene	ND		2.0	0.43	ug/L			05/31/20 11:09	4
N-Propylbenzene	ND		2.0	0.31	ug/L			05/31/20 11:09	4
o-Xylene	ND		2.0	0.34	ug/L			05/31/20 11:09	4
m,p-Xylene	ND		4.0	0.59	ug/L			05/31/20 11:09	4
p-Isopropyltoluene	ND		2.0	0.29	ug/L			05/31/20 11:09	4
sec-Butylbenzene	ND		2.0	0.38	ug/L			05/31/20 11:09	4
Styrene	ND		2.0	0.23	ug/L			05/31/20 11:09	4
trans-1,2-Dichloroethene	ND		2.0	0.33	ug/L			05/31/20 11:09	4
trans-1,3-Dichloropropene	ND		2.0	0.21	ug/L			05/31/20 11:09	4
tert-Butylbenzene	ND		2.0	0.33	ug/L			05/31/20 11:09	4
Tetrachloroethene	1.8	J	2.0	0.97	ug/L			05/31/20 11:09	4
Toluene	ND		2.0	0.37	ug/L			05/31/20 11:09	4
Trichloroethene	95		2.0	0.41	ug/L			05/31/20 11:09	4
Trichlorofluoromethane	ND		2.0	0.41	ug/L			05/31/20 11:09	4
Vinyl acetate	ND		20	2.8	ug/L			05/31/20 11:09	4
Vinyl chloride	ND		2.0	0.31	ug/L			05/31/20 11:09	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 128		05/31/20 11:09	4
4-Bromofluorobenzene (Surr)	96		68 - 120		05/31/20 11:09	4
Dibromofluoromethane	98		80 - 127		05/31/20 11:09	4
Toluene-d8 (Surr)	99		80 - 120		05/31/20 11:09	4

Client Sample ID: UAX-01

Date Collected: 05/20/20 09:33

Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-14

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/31/20 11:38	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			05/31/20 11:38	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			05/31/20 11:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			05/31/20 11:38	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			05/31/20 11:38	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			05/31/20 11:38	1
1,1-Dichloroethene	1.8		0.50	0.10	ug/L			05/31/20 11:38	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			05/31/20 11:38	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			05/31/20 11:38	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			05/31/20 11:38	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			05/31/20 11:38	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			05/31/20 11:38	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			05/31/20 11:38	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			05/31/20 11:38	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			05/31/20 11:38	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			05/31/20 11:38	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			05/31/20 11:38	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			05/31/20 11:38	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			05/31/20 11:38	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			05/31/20 11:38	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			05/31/20 11:38	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			05/31/20 11:38	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-28706-1

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

Client Sample ID: UAX-01
Date Collected: 05/20/20 09:33
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-14
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			05/31/20 11:38	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			05/31/20 11:38	1
2-Hexanone	ND		10	0.50	ug/L			05/31/20 11:38	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			05/31/20 11:38	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			05/31/20 11:38	1
Acetone	ND		10	4.0	ug/L			05/31/20 11:38	1
Benzene	ND		0.50	0.072	ug/L			05/31/20 11:38	1
Bromobenzene	ND		0.50	0.061	ug/L			05/31/20 11:38	1
Bromochloromethane	ND		1.0	0.082	ug/L			05/31/20 11:38	1
Bromodichloromethane	ND		0.50	0.053	ug/L			05/31/20 11:38	1
Bromoform	ND		0.50	0.096	ug/L			05/31/20 11:38	1
Bromomethane	ND		2.0	0.99	ug/L			05/31/20 11:38	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			05/31/20 11:38	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			05/31/20 11:38	1
Carbon disulfide	ND		10	0.39	ug/L			05/31/20 11:38	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			05/31/20 11:38	1
Chlorobenzene	ND		0.50	0.088	ug/L			05/31/20 11:38	1
Chloroethane	ND		0.50	0.12	ug/L			05/31/20 11:38	1
Chloroform	ND		0.50	0.062	ug/L			05/31/20 11:38	1
Chloromethane	ND		5.0	2.0	ug/L			05/31/20 11:38	1
Dibromochloromethane	ND		0.50	0.064	ug/L			05/31/20 11:38	1
Dibromomethane	ND		0.50	0.13	ug/L			05/31/20 11:38	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			05/31/20 11:38	1
Ethylbenzene	ND		0.50	0.087	ug/L			05/31/20 11:38	1
Isopropylbenzene	ND		0.50	0.077	ug/L			05/31/20 11:38	1
Methylene Chloride	ND		1.0	0.043	ug/L			05/31/20 11:38	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			05/31/20 11:38	1
Naphthalene	ND		1.0	0.097	ug/L			05/31/20 11:38	1
n-Butylbenzene	ND		0.50	0.11	ug/L			05/31/20 11:38	1
N-Propylbenzene	ND		0.50	0.076	ug/L			05/31/20 11:38	1
o-Xylene	ND		0.50	0.086	ug/L			05/31/20 11:38	1
m,p-Xylene	ND		1.0	0.15	ug/L			05/31/20 11:38	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			05/31/20 11:38	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			05/31/20 11:38	1
Styrene	ND		0.50	0.059	ug/L			05/31/20 11:38	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			05/31/20 11:38	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			05/31/20 11:38	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			05/31/20 11:38	1
Tetrachloroethene	ND		0.50	0.24	ug/L			05/31/20 11:38	1
Toluene	ND		0.50	0.093	ug/L			05/31/20 11:38	1
Trichloroethene	2.3		0.50	0.10	ug/L			05/31/20 11:38	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/31/20 11:38	1
Vinyl acetate	ND		5.0	0.70	ug/L			05/31/20 11:38	1
Vinyl chloride	ND		0.50	0.078	ug/L			05/31/20 11:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 128		05/31/20 11:38	1
4-Bromofluorobenzene (Surr)	102		68 - 120		05/31/20 11:38	1
Dibromofluoromethane	99		80 - 127		05/31/20 11:38	1
Toluene-d8 (Surr)	98		80 - 120		05/31/20 11:38	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-28706-1

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

Client Sample ID: HEW-0400
Date Collected: 05/19/20 09:30
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	110		4.0	0.81	ug/L			06/02/20 19:27	8
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		80 - 128					06/02/20 19:27	8
4-Bromofluorobenzene (Surr)	96		68 - 120					06/02/20 19:27	8
Dibromofluoromethane	95		80 - 127					06/02/20 19:27	8
Toluene-d8 (Surr)	97		80 - 120					06/02/20 19:27	8

Client Sample Results

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

Job ID: 570-28706-1

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

Client Sample ID: UAX-03
Date Collected: 05/19/20 09:07
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L		05/26/20 09:30	05/30/20 09:43	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	56		15 - 150				05/26/20 09:30	05/30/20 09:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	110		46 - 128				05/26/20 09:30	05/30/20 09:43	1

Client Sample ID: HEW-04
Date Collected: 05/19/20 09:25
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	7.8		0.50	0.18	ug/L		05/26/20 09:30	05/30/20 09:59	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	60		15 - 150				05/26/20 09:30	05/30/20 09:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	124		46 - 128				05/26/20 09:30	05/30/20 09:59	1

Client Sample ID: HEW-0400
Date Collected: 05/19/20 09:30
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	7.0	H	0.50	0.18	ug/L		06/02/20 12:44	06/03/20 00:43	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	37		15 - 150				06/02/20 12:44	06/03/20 00:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	113		46 - 128				06/02/20 12:44	06/03/20 00:43	1

Client Sample ID: LAX-01
Date Collected: 05/19/20 10:20
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L		05/26/20 09:30	05/30/20 10:30	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	55		15 - 150				05/26/20 09:30	05/30/20 10:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	113		46 - 128				05/26/20 09:30	05/30/20 10:30	1

Client Sample ID: HEW-02
Date Collected: 05/19/20 10:58
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L		05/26/20 09:30	05/30/20 10:46	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	55		15 - 150				05/26/20 09:30	05/30/20 10:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	109		46 - 128				05/26/20 09:30	05/30/20 10:46	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-28706-1

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

Client Sample ID: HEW-05
Date Collected: 05/19/20 11:20
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L	-	05/26/20 09:30	05/30/20 11:02	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	65		15 - 150				05/26/20 09:30	05/30/20 11:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	112		46 - 128				05/26/20 09:30	05/30/20 11:02	1

Client Sample ID: LAX-03
Date Collected: 05/19/20 14:04
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L	-	05/26/20 09:30	05/30/20 11:17	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	53		15 - 150				05/26/20 09:30	05/30/20 11:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	103		46 - 128				05/26/20 09:30	05/30/20 11:17	1

Client Sample ID: RB-051920
Date Collected: 05/19/20 14:21
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L	-	05/26/20 09:30	05/30/20 11:32	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	54		15 - 150				05/26/20 09:30	05/30/20 11:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	99		46 - 128				05/26/20 09:30	05/30/20 11:32	1

Client Sample ID: LAX-02
Date Collected: 05/20/20 08:45
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L	-	05/26/20 09:30	05/30/20 11:48	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	52		15 - 150				05/26/20 09:30	05/30/20 11:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	107		46 - 128				05/26/20 09:30	05/30/20 11:48	1

Client Sample ID: UAX-02
Date Collected: 05/20/20 09:03
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-11
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.3		0.50	0.18	ug/L	-	05/26/20 09:30	05/30/20 12:04	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	54		15 - 150				05/26/20 09:30	05/30/20 12:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	116		46 - 128				05/26/20 09:30	05/30/20 12:04	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-28706-1

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

Client Sample ID: HEW-01
Date Collected: 05/20/20 08:14
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.4		0.50	0.18	ug/L	—	05/26/20 09:30	05/30/20 12:19	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	47		15 - 150				05/26/20 09:30	05/30/20 12:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	108		46 - 128				05/26/20 09:30	05/30/20 12:19	1

Client Sample ID: HEW-03
Date Collected: 05/20/20 09:22
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L	—	05/26/20 09:30	05/30/20 12:35	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	54		15 - 150				05/26/20 09:30	05/30/20 12:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	108		46 - 128				05/26/20 09:30	05/30/20 12:35	1

Client Sample ID: UAX-01
Date Collected: 05/20/20 09:33
Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-14
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L	—	05/26/20 09:30	05/30/20 12:50	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	54		15 - 150				05/26/20 09:30	05/30/20 12:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	107		46 - 128				05/26/20 09:30	05/30/20 12:50	1

Surrogate Summary

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

Job ID: 570-28706-1

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 (80-128)	BFB (68-120)	DBFM (80-127)	TOL (80-120)
570-28655-A-2 MS	Matrix Spike	97	99	97	99
570-28655-A-2 MSD	Matrix Spike Duplicate	97	98	97	100
570-28706-1	TB-051920	100	99	98	100
570-28706-2	UAX-03	100	90	96	99
570-28706-2 MS	UAX-03	98	100	99	101
570-28706-2 MSD	UAX-03	101	99	99	99
570-28706-3	HEW-04	102	101	98	98
570-28706-4	HEW-0400	102	92	99	100
570-28706-4 - DL	HEW-0400	95	96	95	97
570-28706-5	LAX-01	102	98	101	99
570-28706-6	HEW-02	101	95	97	98
570-28706-7	HEW-05	101	93	99	98
570-28706-8	LAX-03	101	98	100	99
570-28706-9	RB-051920	101	96	100	101
570-28706-10	LAX-02	102	99	99	100
570-28706-11	UAX-02	103	97	98	100
570-28706-12	HEW-01	102	99	100	100
570-28706-13	HEW-03	102	96	98	99
570-28706-14	UAX-01	104	102	99	98
LCS 570-72407/1011	Lab Control Sample	99	99	99	101
LCS 570-72427/3	Lab Control Sample	101	99	101	102
LCS 570-72531/3	Lab Control Sample	96	99	101	101
LCS 570-72727/3	Lab Control Sample	99	98	101	101
LCSD 570-72407/15	Lab Control Sample Dup	100	101	102	100
LCSD 570-72427/4	Lab Control Sample Dup	99	100	101	100
LCSD 570-72531/4	Lab Control Sample Dup	96	97	99	101
LCSD 570-72727/4	Lab Control Sample Dup	95	98	98	100
MB 570-72407/17	Method Blank	100	98	99	100
MB 570-72427/6	Method Blank	102	95	99	98
MB 570-72531/7	Method Blank	98	100	97	98
MB 570-72727/6	Method Blank	99	98	96	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 (46-128)			
570-28678-D-2-H MS	Matrix Spike	95			
570-28678-D-2-I MSD	Matrix Spike Duplicate	110			
570-28706-2	UAX-03	110			
570-28706-3	HEW-04	124			
570-28706-4	HEW-0400	113			
570-28706-5	LAX-01	113			

Eurofins Calscience LLC

Surrogate Summary

Client: Hargis + Associates, Inc.

Job ID: 570-28706-1

Project/Site: Raytheon Building 684 / 764.10

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 (46-128)
570-28706-6	HEW-02	109
570-28706-7	HEW-05	112
570-28706-8	LAX-03	103
570-28706-9	RB-051920	99
570-28706-10	LAX-02	107
570-28706-11	UAX-02	116
570-28706-12	HEW-01	108
570-28706-13	HEW-03	108
570-28706-14	UAX-01	107
570-29484-B-4-A MS	Matrix Spike	116
570-29484-B-4-B MSD	Matrix Spike Duplicate	114
LCS 570-71243/2-A	Lab Control Sample	113
LCS 570-72822/2-A	Lab Control Sample	117
LCSD 570-71243/3-A	Lab Control Sample Dup	113
LCSD 570-72822/3-A	Lab Control Sample Dup	116
MB 570-71243/1-A	Method Blank	108
MB 570-72822/1-A	Method Blank	114

Surrogate Legend

NBZ = Nitrobenzene-d5

Isotope Dilution Summary

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

Job ID: 570-28706-1

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)
570-28678-D-2-H MS	Matrix Spike	50
570-28678-D-2-I MSD	Matrix Spike Duplicate	41
570-28706-2	UAX-03	56
570-28706-3	HEW-04	60
570-28706-4	HEW-0400	37
570-28706-5	LAX-01	55
570-28706-6	HEW-02	55
570-28706-7	HEW-05	65
570-28706-8	LAX-03	53
570-28706-9	RB-051920	54
570-28706-10	LAX-02	52
570-28706-11	UAX-02	54
570-28706-12	HEW-01	47
570-28706-13	HEW-03	54
570-28706-14	UAX-01	54
570-29484-B-4-A MS	Matrix Spike	33
570-29484-B-4-B MSD	Matrix Spike Duplicate	31
LCS 570-71243/2-A	Lab Control Sample	47
LCS 570-72822/2-A	Lab Control Sample	38
LCSD 570-71243/3-A	Lab Control Sample Dup	35
LCSD 570-72822/3-A	Lab Control Sample Dup	39
MB 570-71243/1-A	Method Blank	41
MB 570-72822/1-A	Method Blank	44
Surrogate Legend		
DXE = 1,4-Dioxane-d8		

QC Sample Results

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

Job ID: 570-28706-1

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

Lab Sample ID: MB 570-72407/17

Matrix: Water

Analysis Batch: 72407

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	0.070	ug/L			05/31/20 00:35	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			05/31/20 00:35	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			05/31/20 00:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			05/31/20 00:35	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			05/31/20 00:35	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			05/31/20 00:35	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/31/20 00:35	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			05/31/20 00:35	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			05/31/20 00:35	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			05/31/20 00:35	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			05/31/20 00:35	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			05/31/20 00:35	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			05/31/20 00:35	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			05/31/20 00:35	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			05/31/20 00:35	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			05/31/20 00:35	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			05/31/20 00:35	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			05/31/20 00:35	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			05/31/20 00:35	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			05/31/20 00:35	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			05/31/20 00:35	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			05/31/20 00:35	1
2-Butanone	ND		5.0	0.46	ug/L			05/31/20 00:35	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			05/31/20 00:35	1
2-Hexanone	ND		10	0.50	ug/L			05/31/20 00:35	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			05/31/20 00:35	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			05/31/20 00:35	1
Acetone	ND		10	4.0	ug/L			05/31/20 00:35	1
Benzene	ND		0.50	0.072	ug/L			05/31/20 00:35	1
Bromobenzene	ND		0.50	0.061	ug/L			05/31/20 00:35	1
Bromochloromethane	ND		1.0	0.082	ug/L			05/31/20 00:35	1
Bromodichloromethane	ND		0.50	0.053	ug/L			05/31/20 00:35	1
Bromoform	ND		0.50	0.096	ug/L			05/31/20 00:35	1
Bromomethane	ND		2.0	0.99	ug/L			05/31/20 00:35	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			05/31/20 00:35	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			05/31/20 00:35	1
Carbon disulfide	ND		10	0.39	ug/L			05/31/20 00:35	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			05/31/20 00:35	1
Chlorobenzene	ND		0.50	0.088	ug/L			05/31/20 00:35	1
Chloroethane	ND		0.50	0.12	ug/L			05/31/20 00:35	1
Chloroform	0.1103	J	0.50	0.062	ug/L			05/31/20 00:35	1
Chloromethane	ND		5.0	2.0	ug/L			05/31/20 00:35	1
Dibromochloromethane	ND		0.50	0.064	ug/L			05/31/20 00:35	1
Dibromomethane	ND		0.50	0.13	ug/L			05/31/20 00:35	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			05/31/20 00:35	1
Ethylbenzene	ND		0.50	0.087	ug/L			05/31/20 00:35	1
Isopropylbenzene	ND		0.50	0.077	ug/L			05/31/20 00:35	1
Methylene Chloride	ND		1.0	0.043	ug/L			05/31/20 00:35	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-28706-1

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

Lab Sample ID: MB 570-72407/17

Matrix: Water

Analysis Batch: 72407

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	0.067	ug/L			05/31/20 00:35	1
Naphthalene	ND		1.0	0.097	ug/L			05/31/20 00:35	1
n-Butylbenzene	ND		0.50	0.11	ug/L			05/31/20 00:35	1
N-Propylbenzene	ND		0.50	0.076	ug/L			05/31/20 00:35	1
o-Xylene	ND		0.50	0.086	ug/L			05/31/20 00:35	1
m,p-Xylene	ND		1.0	0.15	ug/L			05/31/20 00:35	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			05/31/20 00:35	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			05/31/20 00:35	1
Styrene	ND		0.50	0.059	ug/L			05/31/20 00:35	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			05/31/20 00:35	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			05/31/20 00:35	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			05/31/20 00:35	1
Tetrachloroethene	ND		0.50	0.24	ug/L			05/31/20 00:35	1
Toluene	ND		0.50	0.093	ug/L			05/31/20 00:35	1
Trichloroethene	ND		0.50	0.10	ug/L			05/31/20 00:35	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/31/20 00:35	1
Vinyl acetate	ND		5.0	0.70	ug/L			05/31/20 00:35	1
Vinyl chloride	ND		0.50	0.078	ug/L			05/31/20 00:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 128		05/31/20 00:35	1
4-Bromofluorobenzene (Surr)	98		68 - 120		05/31/20 00:35	1
Dibromofluoromethane	99		80 - 127		05/31/20 00:35	1
Toluene-d8 (Surr)	100		80 - 120		05/31/20 00:35	1

Lab Sample ID: LCS 570-72407/1011

Matrix: Water

Analysis Batch: 72407

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	10.0	9.175		ug/L		92	77 - 120
1,2-Dibromoethane	10.0	10.29		ug/L		103	80 - 120
1,2-Dichlorobenzene	10.0	10.60		ug/L		106	80 - 120
1,2-Dichloroethane	10.0	10.09		ug/L		101	80 - 122
Benzene	10.0	10.33		ug/L		103	80 - 120
Carbon tetrachloride	10.0	9.911		ug/L		99	80 - 129
Chlorobenzene	10.0	10.52		ug/L		105	80 - 120
Ethylbenzene	10.0	10.62		ug/L		106	80 - 120
Methyl-t-Butyl Ether (MTBE)	10.0	8.722		ug/L		87	75 - 123
o-Xylene	10.0	10.60		ug/L		106	80 - 120
m,p-Xylene	20.0	20.94		ug/L		105	80 - 120
Toluene	10.0	10.31		ug/L		103	80 - 120
Trichloroethene	10.0	10.42		ug/L		104	80 - 120
Vinyl chloride	10.0	10.13		ug/L		101	63 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		80 - 128
4-Bromofluorobenzene (Surr)	99		68 - 120

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-28706-1

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

Lab Sample ID: LCS 570-72407/1011

Matrix: Water

Analysis Batch: 72407

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane	99		80 - 127
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 570-72407/15

Matrix: Water

Analysis Batch: 72407

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-Dichloroethene	10.0	8.612		ug/L		86	77 - 120	6	26
1,2-Dibromoethane	10.0	9.858		ug/L		99	80 - 120	4	32
1,2-Dichlorobenzene	10.0	10.44		ug/L		104	80 - 120	2	30
1,2-Dichloroethane	10.0	9.987		ug/L		100	80 - 122	1	23
Benzene	10.0	9.953		ug/L		100	80 - 120	4	22
Carbon tetrachloride	10.0	9.725		ug/L		97	80 - 129	2	36
Chlorobenzene	10.0	10.27		ug/L		103	80 - 120	2	29
Ethylbenzene	10.0	10.42		ug/L		104	80 - 120	2	25
Methyl-t-Butyl Ether (MTBE)	10.0	8.654		ug/L		87	75 - 123	1	27
o-Xylene	10.0	10.57		ug/L		106	80 - 120	0	30
m,p-Xylene	20.0	20.28		ug/L		101	80 - 120	3	30
Toluene	10.0	10.05		ug/L		100	80 - 120	3	28
Trichloroethene	10.0	10.46		ug/L		105	80 - 120	0	25
Vinyl chloride	10.0	9.879		ug/L		99	63 - 135	3	30

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		80 - 128
4-Bromofluorobenzene (Surr)	101		68 - 120
Dibromofluoromethane	102		80 - 127
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: MB 570-72427/6

Matrix: Water

Analysis Batch: 72427

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	0.070	ug/L			05/31/20 06:21	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			05/31/20 06:21	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			05/31/20 06:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			05/31/20 06:21	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			05/31/20 06:21	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			05/31/20 06:21	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			05/31/20 06:21	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			05/31/20 06:21	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			05/31/20 06:21	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			05/31/20 06:21	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			05/31/20 06:21	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			05/31/20 06:21	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			05/31/20 06:21	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			05/31/20 06:21	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-28706-1

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

Lab Sample ID: MB 570-72427/6

Matrix: Water

Analysis Batch: 72427

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			05/31/20 06:21	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			05/31/20 06:21	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			05/31/20 06:21	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			05/31/20 06:21	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			05/31/20 06:21	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			05/31/20 06:21	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			05/31/20 06:21	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			05/31/20 06:21	1
2-Butanone	ND		5.0	0.46	ug/L			05/31/20 06:21	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			05/31/20 06:21	1
2-Hexanone	ND		10	0.50	ug/L			05/31/20 06:21	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			05/31/20 06:21	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			05/31/20 06:21	1
Acetone	ND		10	4.0	ug/L			05/31/20 06:21	1
Benzene	ND		0.50	0.072	ug/L			05/31/20 06:21	1
Bromobenzene	ND		0.50	0.061	ug/L			05/31/20 06:21	1
Bromochloromethane	ND		1.0	0.082	ug/L			05/31/20 06:21	1
Bromodichloromethane	ND		0.50	0.053	ug/L			05/31/20 06:21	1
Bromoform	ND		0.50	0.096	ug/L			05/31/20 06:21	1
Bromomethane	ND		2.0	0.99	ug/L			05/31/20 06:21	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			05/31/20 06:21	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			05/31/20 06:21	1
Carbon disulfide	ND		10	0.39	ug/L			05/31/20 06:21	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			05/31/20 06:21	1
Chlorobenzene	ND		0.50	0.088	ug/L			05/31/20 06:21	1
Chloroethane	ND		0.50	0.12	ug/L			05/31/20 06:21	1
Chloroform	0.09045	J	0.50	0.062	ug/L			05/31/20 06:21	1
Chloromethane	ND		5.0	2.0	ug/L			05/31/20 06:21	1
Dibromochloromethane	ND		0.50	0.064	ug/L			05/31/20 06:21	1
Dibromomethane	ND		0.50	0.13	ug/L			05/31/20 06:21	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			05/31/20 06:21	1
Ethylbenzene	ND		0.50	0.087	ug/L			05/31/20 06:21	1
Isopropylbenzene	ND		0.50	0.077	ug/L			05/31/20 06:21	1
Methylene Chloride	ND		1.0	0.043	ug/L			05/31/20 06:21	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			05/31/20 06:21	1
Naphthalene	ND		1.0	0.097	ug/L			05/31/20 06:21	1
n-Butylbenzene	ND		0.50	0.11	ug/L			05/31/20 06:21	1
N-Propylbenzene	ND		0.50	0.076	ug/L			05/31/20 06:21	1
o-Xylene	ND		0.50	0.086	ug/L			05/31/20 06:21	1
m,p-Xylene	ND		1.0	0.15	ug/L			05/31/20 06:21	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			05/31/20 06:21	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			05/31/20 06:21	1
Styrene	ND		0.50	0.059	ug/L			05/31/20 06:21	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			05/31/20 06:21	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			05/31/20 06:21	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			05/31/20 06:21	1
Tetrachloroethene	ND		0.50	0.24	ug/L			05/31/20 06:21	1
Toluene	ND		0.50	0.093	ug/L			05/31/20 06:21	1
Trichloroethene	ND		0.50	0.10	ug/L			05/31/20 06:21	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-28706-1

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

Lab Sample ID: MB 570-72427/6

Matrix: Water

Analysis Batch: 72427

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.50	0.10	ug/L			05/31/20 06:21	1
Vinyl acetate	ND		5.0	0.70	ug/L			05/31/20 06:21	1
Vinyl chloride	ND		0.50	0.078	ug/L			05/31/20 06:21	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 128					05/31/20 06:21	1
4-Bromofluorobenzene (Surr)	95		68 - 120					05/31/20 06:21	1
Dibromofluoromethane	99		80 - 127					05/31/20 06:21	1
Toluene-d8 (Surr)	98		80 - 120					05/31/20 06:21	1

Lab Sample ID: LCS 570-72427/3

Matrix: Water

Analysis Batch: 72427

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	10.0	9.526		ug/L		95	77 - 120
1,2-Dibromoethane	10.0	10.28		ug/L		103	80 - 120
1,2-Dichlorobenzene	10.0	10.37		ug/L		104	80 - 120
1,2-Dichloroethane	10.0	9.993		ug/L		100	80 - 122
Benzene	10.0	9.915		ug/L		99	80 - 120
Carbon tetrachloride	10.0	9.384		ug/L		94	80 - 129
Chlorobenzene	10.0	9.934		ug/L		99	80 - 120
Ethylbenzene	10.0	10.03		ug/L		100	80 - 120
Methyl-t-Butyl Ether (MTBE)	10.0	8.545		ug/L		85	75 - 123
o-Xylene	10.0	10.12		ug/L		101	80 - 120
m,p-Xylene	20.0	19.66		ug/L		98	80 - 120
Toluene	10.0	10.05		ug/L		100	80 - 120
Trichloroethene	10.0	10.16		ug/L		102	80 - 120
Vinyl chloride	10.0	9.294		ug/L		93	63 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	101		80 - 128				
4-Bromofluorobenzene (Surr)	99		68 - 120				
Dibromofluoromethane	101		80 - 127				
Toluene-d8 (Surr)	102		80 - 120				

Lab Sample ID: LCSD 570-72427/4

Matrix: Water

Analysis Batch: 72427

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,1-Dichloroethene	10.0	9.770		ug/L		98	77 - 120	3	26
1,2-Dibromoethane	10.0	10.40		ug/L		104	80 - 120	1	32
1,2-Dichlorobenzene	10.0	10.76		ug/L		108	80 - 120	4	30
1,2-Dichloroethane	10.0	10.15		ug/L		102	80 - 122	2	23
Benzene	10.0	10.33		ug/L		103	80 - 120	4	22
Carbon tetrachloride	10.0	9.982		ug/L		100	80 - 129	6	36
Chlorobenzene	10.0	10.58		ug/L		106	80 - 120	6	29

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-28706-1

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

Lab Sample ID: LCSD 570-72427/4

Matrix: Water

Analysis Batch: 72427

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
Ethylbenzene	10.0	10.71		ug/L		107	80 - 120	7	25
Methyl-t-Butyl Ether (MTBE)	10.0	8.788		ug/L		88	75 - 123	3	27
o-Xylene	10.0	10.70		ug/L		107	80 - 120	6	30
m,p-Xylene	20.0	21.03		ug/L		105	80 - 120	7	30
Toluene	10.0	10.51		ug/L		105	80 - 120	4	28
Trichloroethene	10.0	10.64		ug/L		106	80 - 120	5	25
Vinyl chloride	10.0	10.29		ug/L		103	63 - 135	10	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		80 - 128
4-Bromofluorobenzene (Surr)	100		68 - 120
Dibromofluoromethane	101		80 - 127
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: MB 570-72531/7

Matrix: Water

Analysis Batch: 72531

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	0.070	ug/L			06/01/20 12:01	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			06/01/20 12:01	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			06/01/20 12:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			06/01/20 12:01	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			06/01/20 12:01	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			06/01/20 12:01	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/01/20 12:01	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			06/01/20 12:01	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			06/01/20 12:01	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			06/01/20 12:01	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			06/01/20 12:01	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			06/01/20 12:01	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			06/01/20 12:01	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			06/01/20 12:01	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			06/01/20 12:01	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			06/01/20 12:01	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			06/01/20 12:01	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			06/01/20 12:01	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			06/01/20 12:01	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			06/01/20 12:01	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			06/01/20 12:01	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			06/01/20 12:01	1
2-Butanone	ND		5.0	0.46	ug/L			06/01/20 12:01	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			06/01/20 12:01	1
2-Hexanone	ND		10	0.50	ug/L			06/01/20 12:01	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			06/01/20 12:01	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			06/01/20 12:01	1
Acetone	ND		10	4.0	ug/L			06/01/20 12:01	1
Benzene	ND		0.50	0.072	ug/L			06/01/20 12:01	1

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QC Sample Results

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

Job ID: 570-28706-1

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

Lab Sample ID: MB 570-72531/7

Matrix: Water

Analysis Batch: 72531

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.061	ug/L			06/01/20 12:01	1
Bromochloromethane	ND		1.0	0.082	ug/L			06/01/20 12:01	1
Bromodichloromethane	ND		0.50	0.053	ug/L			06/01/20 12:01	1
Bromoform	ND		0.50	0.096	ug/L			06/01/20 12:01	1
Bromomethane	ND		2.0	0.99	ug/L			06/01/20 12:01	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			06/01/20 12:01	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			06/01/20 12:01	1
Carbon disulfide	ND		10	0.39	ug/L			06/01/20 12:01	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			06/01/20 12:01	1
Chlorobenzene	ND		0.50	0.088	ug/L			06/01/20 12:01	1
Chloroethane	ND		0.50	0.12	ug/L			06/01/20 12:01	1
Chloroform	0.1535	J	0.50	0.062	ug/L			06/01/20 12:01	1
Chloromethane	ND		5.0	2.0	ug/L			06/01/20 12:01	1
Dibromochloromethane	ND		0.50	0.064	ug/L			06/01/20 12:01	1
Dibromomethane	ND		0.50	0.13	ug/L			06/01/20 12:01	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			06/01/20 12:01	1
Ethylbenzene	ND		0.50	0.087	ug/L			06/01/20 12:01	1
Isopropylbenzene	ND		0.50	0.077	ug/L			06/01/20 12:01	1
Methylene Chloride	ND		1.0	0.043	ug/L			06/01/20 12:01	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			06/01/20 12:01	1
Naphthalene	ND		1.0	0.097	ug/L			06/01/20 12:01	1
n-Butylbenzene	ND		0.50	0.11	ug/L			06/01/20 12:01	1
N-Propylbenzene	ND		0.50	0.076	ug/L			06/01/20 12:01	1
o-Xylene	ND		0.50	0.086	ug/L			06/01/20 12:01	1
m,p-Xylene	ND		1.0	0.15	ug/L			06/01/20 12:01	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			06/01/20 12:01	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			06/01/20 12:01	1
Styrene	ND		0.50	0.059	ug/L			06/01/20 12:01	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			06/01/20 12:01	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			06/01/20 12:01	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			06/01/20 12:01	1
Tetrachloroethene	ND		0.50	0.24	ug/L			06/01/20 12:01	1
Toluene	ND		0.50	0.093	ug/L			06/01/20 12:01	1
Trichloroethene	ND		0.50	0.10	ug/L			06/01/20 12:01	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			06/01/20 12:01	1
Vinyl acetate	ND		5.0	0.70	ug/L			06/01/20 12:01	1
Vinyl chloride	ND		0.50	0.078	ug/L			06/01/20 12:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 128		06/01/20 12:01	1
4-Bromofluorobenzene (Surr)	100		68 - 120		06/01/20 12:01	1
Dibromofluoromethane	97		80 - 127		06/01/20 12:01	1
Toluene-d8 (Surr)	98		80 - 120		06/01/20 12:01	1

QC Sample Results

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

Job ID: 570-28706-1

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

Lab Sample ID: LCS 570-72531/3

Matrix: Water

Analysis Batch: 72531

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	10.0	10.26		ug/L		103	77 - 120
1,2-Dibromoethane	10.0	10.62		ug/L		106	80 - 120
1,2-Dichlorobenzene	10.0	10.87		ug/L		109	80 - 120
1,2-Dichloroethane	10.0	10.27		ug/L		103	80 - 122
Benzene	10.0	10.90		ug/L		109	80 - 120
Carbon tetrachloride	10.0	11.52		ug/L		115	80 - 129
Chlorobenzene	10.0	10.72		ug/L		107	80 - 120
Ethylbenzene	10.0	10.97		ug/L		110	80 - 120
Methyl-t-Butyl Ether (MTBE)	10.0	8.644		ug/L		86	75 - 123
o-Xylene	10.0	10.94		ug/L		109	80 - 120
m,p-Xylene	20.0	21.84		ug/L		109	80 - 120
Toluene	10.0	10.82		ug/L		108	80 - 120
Trichloroethene	10.0	10.99		ug/L		110	80 - 120
Vinyl chloride	10.0	11.30		ug/L		113	63 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		80 - 128
4-Bromofluorobenzene (Surr)	99		68 - 120
Dibromofluoromethane	101		80 - 127
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 570-72531/4

Matrix: Water

Analysis Batch: 72531

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-Dichloroethene	10.0	9.915		ug/L		99	77 - 120	3	26
1,2-Dibromoethane	10.0	10.58		ug/L		106	80 - 120	0	32
1,2-Dichlorobenzene	10.0	10.52		ug/L		105	80 - 120	3	30
1,2-Dichloroethane	10.0	10.74		ug/L		107	80 - 122	4	23
Benzene	10.0	10.77		ug/L		108	80 - 120	1	22
Carbon tetrachloride	10.0	11.23		ug/L		112	80 - 129	3	36
Chlorobenzene	10.0	10.65		ug/L		107	80 - 120	1	29
Ethylbenzene	10.0	10.78		ug/L		108	80 - 120	2	25
Methyl-t-Butyl Ether (MTBE)	10.0	8.875		ug/L		89	75 - 123	3	27
o-Xylene	10.0	10.69		ug/L		107	80 - 120	2	30
m,p-Xylene	20.0	20.82		ug/L		104	80 - 120	5	30
Toluene	10.0	10.72		ug/L		107	80 - 120	1	28
Trichloroethene	10.0	10.69		ug/L		107	80 - 120	3	25
Vinyl chloride	10.0	11.13		ug/L		111	63 - 135	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		80 - 128
4-Bromofluorobenzene (Surr)	97		68 - 120
Dibromofluoromethane	99		80 - 127
Toluene-d8 (Surr)	101		80 - 120

QC Sample Results

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

Job ID: 570-28706-1

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

Lab Sample ID: 570-28706-2 MS

Matrix: Water

Analysis Batch: 72531

Client Sample ID: UAX-03

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.55		10.0	12.02		ug/L		115	66 - 126
1,2-Dibromoethane	ND		10.0	11.19		ug/L		112	75 - 126
1,2-Dichlorobenzene	ND		10.0	11.52		ug/L		115	75 - 125
1,2-Dichloroethane	ND		10.0	11.10		ug/L		111	75 - 127
Benzene	ND		10.0	11.36		ug/L		114	75 - 125
Carbon tetrachloride	ND		10.0	10.61		ug/L		106	69 - 135
Chlorobenzene	ND		10.0	11.34		ug/L		113	75 - 125
Ethylbenzene	ND		10.0	11.29		ug/L		113	75 - 125
Methyl-t-Butyl Ether (MTBE)	ND		10.0	9.149		ug/L		91	71 - 131
o-Xylene	ND		10.0	11.49		ug/L		115	75 - 127
m,p-Xylene	ND		20.0	22.37		ug/L		112	75 - 125
Toluene	ND		10.0	11.19		ug/L		112	75 - 125
Trichloroethene	9.8		10.0	21.09		ug/L		113	75 - 125
Vinyl chloride	ND		10.0	11.45		ug/L		115	52 - 142
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
1,2-Dichloroethane-d4 (Surr)	98		80 - 128						
4-Bromofluorobenzene (Surr)	100		68 - 120						
Dibromofluoromethane	99		80 - 127						
Toluene-d8 (Surr)	101		80 - 120						

Lab Sample ID: 570-28706-2 MSD

Matrix: Water

Analysis Batch: 72531

Client Sample ID: UAX-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-Dichloroethene	0.55		10.0	10.64		ug/L		101	66 - 126	12	20
1,2-Dibromoethane	ND		10.0	11.01		ug/L		110	75 - 126	2	20
1,2-Dichlorobenzene	ND		10.0	11.03		ug/L		110	75 - 125	4	20
1,2-Dichloroethane	ND		10.0	10.63		ug/L		106	75 - 127	4	20
Benzene	ND		10.0	10.88		ug/L		109	75 - 125	4	20
Carbon tetrachloride	ND		10.0	11.36		ug/L		114	69 - 135	7	20
Chlorobenzene	ND		10.0	10.96		ug/L		110	75 - 125	3	20
Ethylbenzene	ND		10.0	11.27		ug/L		113	75 - 125	0	20
Methyl-t-Butyl Ether (MTBE)	ND		10.0	8.819		ug/L		88	71 - 131	4	20
o-Xylene	ND		10.0	11.19		ug/L		112	75 - 127	3	20
m,p-Xylene	ND		20.0	21.77		ug/L		109	75 - 125	3	20
Toluene	ND		10.0	10.81		ug/L		108	75 - 125	3	20
Trichloroethene	9.8		10.0	20.60		ug/L		108	75 - 125	2	20
Vinyl chloride	ND		10.0	11.51		ug/L		115	52 - 142	1	20
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
1,2-Dichloroethane-d4 (Surr)	101		80 - 128								
4-Bromofluorobenzene (Surr)	99		68 - 120								
Dibromofluoromethane	99		80 - 127								
Toluene-d8 (Surr)	99		80 - 120								

QC Sample Results

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

Job ID: 570-28706-1

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

Lab Sample ID: MB 570-72727/6

Matrix: Water

Analysis Batch: 72727

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	0.070	ug/L			06/02/20 13:48	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			06/02/20 13:48	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			06/02/20 13:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			06/02/20 13:48	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			06/02/20 13:48	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			06/02/20 13:48	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/02/20 13:48	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			06/02/20 13:48	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			06/02/20 13:48	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			06/02/20 13:48	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			06/02/20 13:48	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			06/02/20 13:48	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			06/02/20 13:48	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			06/02/20 13:48	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			06/02/20 13:48	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			06/02/20 13:48	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			06/02/20 13:48	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			06/02/20 13:48	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			06/02/20 13:48	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			06/02/20 13:48	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			06/02/20 13:48	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			06/02/20 13:48	1
2-Butanone	ND		5.0	0.46	ug/L			06/02/20 13:48	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			06/02/20 13:48	1
2-Hexanone	ND		10	0.50	ug/L			06/02/20 13:48	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			06/02/20 13:48	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			06/02/20 13:48	1
Acetone	ND		10	4.0	ug/L			06/02/20 13:48	1
Benzene	ND		0.50	0.072	ug/L			06/02/20 13:48	1
Bromobenzene	ND		0.50	0.061	ug/L			06/02/20 13:48	1
Bromochloromethane	ND		1.0	0.082	ug/L			06/02/20 13:48	1
Bromodichloromethane	ND		0.50	0.053	ug/L			06/02/20 13:48	1
Bromoform	ND		0.50	0.096	ug/L			06/02/20 13:48	1
Bromomethane	ND		2.0	0.99	ug/L			06/02/20 13:48	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			06/02/20 13:48	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			06/02/20 13:48	1
Carbon disulfide	ND		10	0.39	ug/L			06/02/20 13:48	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			06/02/20 13:48	1
Chlorobenzene	ND		0.50	0.088	ug/L			06/02/20 13:48	1
Chloroethane	ND		0.50	0.12	ug/L			06/02/20 13:48	1
Chloroform	0.09403	J	0.50	0.062	ug/L			06/02/20 13:48	1
Chloromethane	ND		5.0	2.0	ug/L			06/02/20 13:48	1
Dibromochloromethane	ND		0.50	0.064	ug/L			06/02/20 13:48	1
Dibromomethane	ND		0.50	0.13	ug/L			06/02/20 13:48	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			06/02/20 13:48	1
Ethylbenzene	ND		0.50	0.087	ug/L			06/02/20 13:48	1
Isopropylbenzene	ND		0.50	0.077	ug/L			06/02/20 13:48	1
Methylene Chloride	ND		1.0	0.043	ug/L			06/02/20 13:48	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-28706-1

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

Lab Sample ID: MB 570-72727/6

Matrix: Water

Analysis Batch: 72727

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	0.067	ug/L			06/02/20 13:48	1
Naphthalene	ND		1.0	0.097	ug/L			06/02/20 13:48	1
n-Butylbenzene	ND		0.50	0.11	ug/L			06/02/20 13:48	1
N-Propylbenzene	ND		0.50	0.076	ug/L			06/02/20 13:48	1
o-Xylene	ND		0.50	0.086	ug/L			06/02/20 13:48	1
m,p-Xylene	ND		1.0	0.15	ug/L			06/02/20 13:48	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			06/02/20 13:48	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			06/02/20 13:48	1
Styrene	ND		0.50	0.059	ug/L			06/02/20 13:48	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			06/02/20 13:48	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			06/02/20 13:48	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			06/02/20 13:48	1
Tetrachloroethene	ND		0.50	0.24	ug/L			06/02/20 13:48	1
Toluene	ND		0.50	0.093	ug/L			06/02/20 13:48	1
Trichloroethene	ND		0.50	0.10	ug/L			06/02/20 13:48	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			06/02/20 13:48	1
Vinyl acetate	ND		5.0	0.70	ug/L			06/02/20 13:48	1
Vinyl chloride	ND		0.50	0.078	ug/L			06/02/20 13:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 128		06/02/20 13:48	1
4-Bromofluorobenzene (Surr)	98		68 - 120		06/02/20 13:48	1
Dibromofluoromethane	96		80 - 127		06/02/20 13:48	1
Toluene-d8 (Surr)	98		80 - 120		06/02/20 13:48	1

Lab Sample ID: LCS 570-72727/3

Matrix: Water

Analysis Batch: 72727

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	10.0	9.836		ug/L		98	77 - 120
1,2-Dibromoethane	10.0	10.40		ug/L		104	80 - 120
1,2-Dichlorobenzene	10.0	10.84		ug/L		108	80 - 120
1,2-Dichloroethane	10.0	10.41		ug/L		104	80 - 122
Benzene	10.0	10.72		ug/L		107	80 - 120
Carbon tetrachloride	10.0	10.43		ug/L		104	80 - 129
Chlorobenzene	10.0	10.70		ug/L		107	80 - 120
Ethylbenzene	10.0	10.86		ug/L		109	80 - 120
Methyl-t-Butyl Ether (MTBE)	10.0	8.459		ug/L		85	75 - 123
o-Xylene	10.0	10.87		ug/L		109	80 - 120
m,p-Xylene	20.0	21.22		ug/L		106	80 - 120
Toluene	10.0	10.58		ug/L		106	80 - 120
Trichloroethene	10.0	10.74		ug/L		107	80 - 120
Vinyl chloride	10.0	11.22		ug/L		112	63 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		80 - 128
4-Bromofluorobenzene (Surr)	98		68 - 120

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QC Sample Results

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

Job ID: 570-28706-1

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

Lab Sample ID: LCS 570-72727/3

Matrix: Water

Analysis Batch: 72727

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane	101		80 - 127
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 570-72727/4

Matrix: Water

Analysis Batch: 72727

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-Dichloroethene	10.0	9.062		ug/L		91	77 - 120	8	26
1,2-Dibromoethane	10.0	9.611		ug/L		96	80 - 120	8	32
1,2-Dichlorobenzene	10.0	10.47		ug/L		105	80 - 120	3	30
1,2-Dichloroethane	10.0	9.731		ug/L		97	80 - 122	7	23
Benzene	10.0	9.980		ug/L		100	80 - 120	7	22
Carbon tetrachloride	10.0	9.905		ug/L		99	80 - 129	5	36
Chlorobenzene	10.0	10.05		ug/L		101	80 - 120	6	29
Ethylbenzene	10.0	10.21		ug/L		102	80 - 120	6	25
Methyl-t-Butyl Ether (MTBE)	10.0	8.056		ug/L		81	75 - 123	5	27
o-Xylene	10.0	10.28		ug/L		103	80 - 120	6	30
m,p-Xylene	20.0	19.73		ug/L		99	80 - 120	7	30
Toluene	10.0	10.00		ug/L		100	80 - 120	6	28
Trichloroethene	10.0	10.12		ug/L		101	80 - 120	6	25
Vinyl chloride	10.0	10.10		ug/L		101	63 - 135	11	30

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		80 - 128
4-Bromofluorobenzene (Surr)	98		68 - 120
Dibromofluoromethane	98		80 - 127
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: 570-28655-A-2 MS

Matrix: Water

Analysis Batch: 72727

Client Sample ID: Matrix Spike

Prep Type: Total/NA

	Sample	Sample	Spike	MS	MS			%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
1,1-Dichloroethene	1.2		20.0	23.77		ug/L		113	66 - 126
1,2-Dibromoethane	ND		20.0	21.29		ug/L		106	75 - 126
1,2-Dichlorobenzene	ND		20.0	22.19		ug/L		111	75 - 125
1,2-Dichloroethane	0.15	J	20.0	21.07		ug/L		105	75 - 127
Benzene	ND		20.0	22.11		ug/L		111	75 - 125
Carbon tetrachloride	ND		20.0	23.33		ug/L		117	69 - 135
Chlorobenzene	ND		20.0	22.41		ug/L		112	75 - 125
Ethylbenzene	ND		20.0	22.98		ug/L		115	75 - 125
Methyl-t-Butyl Ether (MTBE)	ND		20.0	16.97		ug/L		85	71 - 131
o-Xylene	ND		20.0	22.82		ug/L		114	75 - 127
m,p-Xylene	ND		40.0	45.24		ug/L		113	75 - 125
Toluene	1.1		20.0	23.46		ug/L		112	75 - 125
Trichloroethene	ND		20.0	22.38		ug/L		112	75 - 125
Vinyl chloride	21		20.0	40.70		ug/L		99	52 - 142

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QC Sample Results

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

Job ID: 570-28706-1

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

Lab Sample ID: 570-28655-A-2 MS

Matrix: Water

Analysis Batch: 72727

Client Sample ID: Matrix Spike

Prep Type: Total/NA

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		80 - 128
4-Bromofluorobenzene (Surr)	99		68 - 120
Dibromofluoromethane	97		80 - 127
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: 570-28655-A-2 MSD

Matrix: Water

Analysis Batch: 72727

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-Dichloroethene	1.2		20.0	22.04		ug/L		104	66 - 126	8	20
1,2-Dibromoethane	ND		20.0	20.03		ug/L		100	75 - 126	6	20
1,2-Dichlorobenzene	ND		20.0	20.35		ug/L		102	75 - 125	9	20
1,2-Dichloroethane	0.15	J	20.0	19.11		ug/L		95	75 - 127	10	20
Benzene	ND		20.0	20.05		ug/L		100	75 - 125	10	20
Carbon tetrachloride	ND		20.0	21.35		ug/L		107	69 - 135	9	20
Chlorobenzene	ND		20.0	20.29		ug/L		101	75 - 125	10	20
Ethylbenzene	ND		20.0	20.76		ug/L		104	75 - 125	10	20
Methyl-t-Butyl Ether (MTBE)	ND		20.0	16.20		ug/L		81	71 - 131	5	20
o-Xylene	ND		20.0	20.65		ug/L		103	75 - 127	10	20
m,p-Xylene	ND		40.0	40.74		ug/L		102	75 - 125	10	20
Toluene	1.1		20.0	21.10		ug/L		100	75 - 125	11	20
Trichloroethene	ND		20.0	20.11		ug/L		101	75 - 125	11	20
Vinyl chloride	21		20.0	43.63		ug/L		113	52 - 142	7	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		80 - 128
4-Bromofluorobenzene (Surr)	98		68 - 120
Dibromofluoromethane	97		80 - 127
Toluene-d8 (Surr)	100		80 - 120

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

Lab Sample ID: MB 570-71243/1-A

Matrix: Water

Analysis Batch: 71270

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 71243

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L		05/26/20 09:30	05/27/20 03:44	1
Isotope Dilution	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	41		15 - 150				05/26/20 09:30	05/27/20 03:44	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	108		46 - 128				05/26/20 09:30	05/27/20 03:44	1

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QC Sample Results

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

Job ID: 570-28706-1

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

(Continued)

Lab Sample ID: LCS 570-71243/2-A

Matrix: Water

Analysis Batch: 71270

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 71243

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			20.0	19.29		ug/L		96	57 - 136		
	LCS	LCS									
Isotope Dilution	%Recovery	Qualifier	Limits								
1,4-Dioxane-d8	47		15 - 150								
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
Nitrobenzene-d5	113		46 - 128								

Lab Sample ID: LCSD 570-71243/3-A

Matrix: Water

Analysis Batch: 71270

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 71243

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,4-Dioxane			20.0	18.76		ug/L		94	57 - 136	3	20
	LCSD	LCSD									
Isotope Dilution	%Recovery	Qualifier	Limits								
1,4-Dioxane-d8	35		15 - 150								
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
Nitrobenzene-d5	113		46 - 128								

Lab Sample ID: 570-28678-D-2-H MS

Matrix: Water

Analysis Batch: 71270

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 71243

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane	ND		20.0	19.10		ug/L		96	45 - 139		
	MS	MS									
Isotope Dilution	%Recovery	Qualifier	Limits								
1,4-Dioxane-d8	50		15 - 150								
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
Nitrobenzene-d5	95		46 - 128								

Lab Sample ID: 570-28678-D-2-I MSD

Matrix: Water

Analysis Batch: 71270

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 71243

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,4-Dioxane	ND		20.0	18.40		ug/L		92	45 - 139	4	17
	MSD	MSD									
Isotope Dilution	%Recovery	Qualifier	Limits								
1,4-Dioxane-d8	41		15 - 150								
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
Nitrobenzene-d5	110		46 - 128								

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QC Sample Results

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

Job ID: 570-28706-1

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

Lab Sample ID: MB 570-72822/1-A

Matrix: Water

Analysis Batch: 72846

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 72822

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L		06/02/20 12:44	06/02/20 17:28	1
Isotope Dilution	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	44		15 - 150				06/02/20 12:44	06/02/20 17:28	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	114		46 - 128				06/02/20 12:44	06/02/20 17:28	1

Lab Sample ID: LCS 570-72822/2-A

Matrix: Water

Analysis Batch: 72846

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 72822

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
1,4-Dioxane	20.0	22.20		ug/L		111	57 - 136	
Isotope Dilution	%Recovery	LCS Qualifier	Limits					
1,4-Dioxane-d8	38		15 - 150					
Surrogate	%Recovery	LCS Qualifier	Limits					
Nitrobenzene-d5	117		46 - 128					

Lab Sample ID: LCSD 570-72822/3-A

Matrix: Water

Analysis Batch: 72846

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 72822

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	20.0	20.82		ug/L		104	57 - 136	6	20
Isotope Dilution	%Recovery	LCSD Qualifier	Limits						
1,4-Dioxane-d8	39		15 - 150						
Surrogate	%Recovery	LCSD Qualifier	Limits						
Nitrobenzene-d5	116		46 - 128						

Lab Sample ID: 570-29484-B-4-A MS

Matrix: Water

Analysis Batch: 72846

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 72822

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
1,4-Dioxane	ND		20.0	19.48		ug/L		97	45 - 139	
Isotope Dilution	%Recovery	MS Qualifier	Limits							
1,4-Dioxane-d8	33		15 - 150							
Surrogate	%Recovery	MS Qualifier	Limits							
Nitrobenzene-d5	116		46 - 128							

QC Sample Results

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

Job ID: 570-28706-1

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

(Continued)

Lab Sample ID: 570-29484-B-4-B MSD

Matrix: Water

Analysis Batch: 72846

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 72822

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	18.86		ug/L		94	45 - 139	3	17
	<i>MSD</i>	<i>MSD</i>									
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>								
1,4-Dioxane-d8	31		15 - 150								
	<i>MSD</i>	<i>MSD</i>									
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>								
Nitrobenzene-d5	114		46 - 128								

QC Association Summary

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

Job ID: 570-28706-1

GC/MS VOA

Analysis Batch: 72407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-28706-1	TB-051920	Total/NA	Water	8260B	
570-28706-3	HEW-04	Total/NA	Water	8260B	
MB 570-72407/17	Method Blank	Total/NA	Water	8260B	
LCS 570-72407/1011	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-72407/15	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 72427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-28706-4	HEW-0400	Total/NA	Water	8260B	
570-28706-5	LAX-01	Total/NA	Water	8260B	
570-28706-6	HEW-02	Total/NA	Water	8260B	
570-28706-7	HEW-05	Total/NA	Water	8260B	
570-28706-8	LAX-03	Total/NA	Water	8260B	
570-28706-9	RB-051920	Total/NA	Water	8260B	
570-28706-10	LAX-02	Total/NA	Water	8260B	
570-28706-11	UAX-02	Total/NA	Water	8260B	
570-28706-12	HEW-01	Total/NA	Water	8260B	
570-28706-13	HEW-03	Total/NA	Water	8260B	
570-28706-14	UAX-01	Total/NA	Water	8260B	
MB 570-72427/6	Method Blank	Total/NA	Water	8260B	
LCS 570-72427/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-72427/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 72531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-28706-2	UAX-03	Total/NA	Water	8260B	
MB 570-72531/7	Method Blank	Total/NA	Water	8260B	
LCS 570-72531/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-72531/4	Lab Control Sample Dup	Total/NA	Water	8260B	
570-28706-2 MS	UAX-03	Total/NA	Water	8260B	
570-28706-2 MSD	UAX-03	Total/NA	Water	8260B	

Analysis Batch: 72727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-28706-4 - DL	HEW-0400	Total/NA	Water	8260B	
MB 570-72727/6	Method Blank	Total/NA	Water	8260B	
LCS 570-72727/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-72727/4	Lab Control Sample Dup	Total/NA	Water	8260B	
570-28655-A-2 MS	Matrix Spike	Total/NA	Water	8260B	
570-28655-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 71243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-28706-2	UAX-03	Total/NA	Water	3510C	
570-28706-3	HEW-04	Total/NA	Water	3510C	
570-28706-5	LAX-01	Total/NA	Water	3510C	
570-28706-6	HEW-02	Total/NA	Water	3510C	
570-28706-7	HEW-05	Total/NA	Water	3510C	
570-28706-8	LAX-03	Total/NA	Water	3510C	

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QC Association Summary

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

Job ID: 570-28706-1

GC/MS Semi VOA (Continued)

Prep Batch: 71243 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-28706-9	RB-051920	Total/NA	Water	3510C	
570-28706-10	LAX-02	Total/NA	Water	3510C	
570-28706-11	UAX-02	Total/NA	Water	3510C	
570-28706-12	HEW-01	Total/NA	Water	3510C	
570-28706-13	HEW-03	Total/NA	Water	3510C	
570-28706-14	UAX-01	Total/NA	Water	3510C	
MB 570-71243/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-71243/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-71243/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
570-28678-D-2-H MS	Matrix Spike	Total/NA	Water	3510C	
570-28678-D-2-I MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 71270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-71243/1-A	Method Blank	Total/NA	Water	8270C SIM ID	71243
LCS 570-71243/2-A	Lab Control Sample	Total/NA	Water	8270C SIM ID	71243
LCSD 570-71243/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM ID	71243
570-28678-D-2-H MS	Matrix Spike	Total/NA	Water	8270C SIM ID	71243
570-28678-D-2-I MSD	Matrix Spike Duplicate	Total/NA	Water	8270C SIM ID	71243

Analysis Batch: 72251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-28706-2	UAX-03	Total/NA	Water	8270C SIM ID	71243
570-28706-3	HEW-04	Total/NA	Water	8270C SIM ID	71243
570-28706-5	LAX-01	Total/NA	Water	8270C SIM ID	71243
570-28706-6	HEW-02	Total/NA	Water	8270C SIM ID	71243
570-28706-7	HEW-05	Total/NA	Water	8270C SIM ID	71243
570-28706-8	LAX-03	Total/NA	Water	8270C SIM ID	71243
570-28706-9	RB-051920	Total/NA	Water	8270C SIM ID	71243
570-28706-10	LAX-02	Total/NA	Water	8270C SIM ID	71243
570-28706-11	UAX-02	Total/NA	Water	8270C SIM ID	71243
570-28706-12	HEW-01	Total/NA	Water	8270C SIM ID	71243
570-28706-13	HEW-03	Total/NA	Water	8270C SIM ID	71243
570-28706-14	UAX-01	Total/NA	Water	8270C SIM ID	71243

Prep Batch: 72822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-28706-4	HEW-0400	Total/NA	Water	3510C	
MB 570-72822/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-72822/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-72822/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
570-29484-B-4-A MS	Matrix Spike	Total/NA	Water	3510C	
570-29484-B-4-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 72846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-28706-4	HEW-0400	Total/NA	Water	8270C SIM ID	72822
MB 570-72822/1-A	Method Blank	Total/NA	Water	8270C SIM ID	72822
LCS 570-72822/2-A	Lab Control Sample	Total/NA	Water	8270C SIM ID	72822
LCSD 570-72822/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM ID	72822
570-29484-B-4-A MS	Matrix Spike	Total/NA	Water	8270C SIM ID	72822

Eurofins Calscience LLC

QC Association Summary

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

Job ID: 570-28706-1

GC/MS Semi VOA (Continued)

Analysis Batch: 72846 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-29484-B-4-B MSD	Matrix Spike Duplicate	Total/NA	Water	8270C SIM ID	72822

1
2
3
4
5
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15
16

Lab Chronicle

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

Job ID: 570-28706-1

Client Sample ID: TB-051920

Lab Sample ID: 570-28706-1

Date Collected: 05/19/20 08:00

Matrix: Water

Date Received: 05/20/20 10:35

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	72407	05/31/20 01:33	UJHB	ECL 2
Instrument ID: GCMSUU										

Client Sample ID: UAX-03

Lab Sample ID: 570-28706-2

Date Collected: 05/19/20 09:07

Matrix: Water

Date Received: 05/20/20 10:35

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	72531	06/01/20 12:59	UJHB	ECL 2
Instrument ID: GCMSUU										
Total/NA	Prep	3510C			100 mL	10 mL	71243	05/26/20 09:30	UWEZ	ECL 1
Total/NA	Analysis	8270C SIM ID		1			72251	05/30/20 09:43	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: HEW-04

Lab Sample ID: 570-28706-3

Date Collected: 05/19/20 09:25

Matrix: Water

Date Received: 05/20/20 10:35

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	72407	05/31/20 03:28	UJHB	ECL 2
Instrument ID: GCMSUU										
Total/NA	Prep	3510C			100 mL	10 mL	71243	05/26/20 09:30	UWEZ	ECL 1
Total/NA	Analysis	8270C SIM ID		1			72251	05/30/20 09:59	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: HEW-0400

Lab Sample ID: 570-28706-4

Date Collected: 05/19/20 09:30

Matrix: Water

Date Received: 05/20/20 10:35

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	72427	05/31/20 12:06	UJHB	ECL 2
Instrument ID: GCMSUU										
Total/NA	Analysis	8260B	DL	8	20 mL	20 mL	72727	06/02/20 19:27	UJHB	ECL 2
Instrument ID: GCMSUU										
Total/NA	Prep	3510C			100 mL	10 mL	72822	06/02/20 12:44	AJ2Q	ECL 1
Total/NA	Analysis	8270C SIM ID		1			72846	06/03/20 00:43	ULLI	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: LAX-01

Lab Sample ID: 570-28706-5

Date Collected: 05/19/20 10:20

Matrix: Water

Date Received: 05/20/20 10:35

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	72427	05/31/20 07:19	UJHB	ECL 2
Instrument ID: GCMSUU										

Eurofins Calscience LLC

Lab Chronicle

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

Job ID: 570-28706-1

Client Sample ID: LAX-01

Date Collected: 05/19/20 10:20

Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			100 mL	10 mL	71243	05/26/20 09:30	UWEZ	ECL 1
Total/NA	Analysis	8270C SIM ID		1			72251	05/30/20 10:30	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: HEW-02

Date Collected: 05/19/20 10:58

Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-6

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		4	20 mL	20 mL	72427	05/31/20 07:47	UJHB	ECL 2
Instrument ID: GCMSUU										
Total/NA	Prep	3510C			100 mL	10 mL	71243	05/26/20 09:30	UWEZ	ECL 1
Total/NA	Analysis	8270C SIM ID		1			72251	05/30/20 10:46	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: HEW-05

Date Collected: 05/19/20 11:20

Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-7

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		4	20 mL	20 mL	72427	05/31/20 08:16	UJHB	ECL 2
Instrument ID: GCMSUU										
Total/NA	Prep	3510C			100 mL	10 mL	71243	05/26/20 09:30	UWEZ	ECL 1
Total/NA	Analysis	8270C SIM ID		1			72251	05/30/20 11:02	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: LAX-03

Date Collected: 05/19/20 14:04

Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-8

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	72427	05/31/20 08:45	UJHB	ECL 2
Instrument ID: GCMSUU										
Total/NA	Prep	3510C			100 mL	10 mL	71243	05/26/20 09:30	UWEZ	ECL 1
Total/NA	Analysis	8270C SIM ID		1			72251	05/30/20 11:17	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: RB-051920

Date Collected: 05/19/20 14:21

Date Received: 05/20/20 10:35

Lab Sample ID: 570-28706-9

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	72427	05/31/20 09:14	UJHB	ECL 2
Instrument ID: GCMSUU										

Lab Chronicle

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

Job ID: 570-28706-1

Client Sample ID: RB-051920

Lab Sample ID: 570-28706-9

Date Collected: 05/19/20 14:21

Matrix: Water

Date Received: 05/20/20 10:35

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	71243	05/26/20 09:30	UWEZ	ECL 1
Total/NA	Analysis	8270C SIM ID		1			72251	05/30/20 11:32	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: LAX-02

Lab Sample ID: 570-28706-10

Date Collected: 05/20/20 08:45

Matrix: Water

Date Received: 05/20/20 10:35

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	72427	05/31/20 09:42	UJHB	ECL 2
Instrument ID: GCMSUU										
Total/NA	Prep	3510C			100 mL	10 mL	71243	05/26/20 09:30	UWEZ	ECL 1
Total/NA	Analysis	8270C SIM ID		1			72251	05/30/20 11:48	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: UAX-02

Lab Sample ID: 570-28706-11

Date Collected: 05/20/20 09:03

Matrix: Water

Date Received: 05/20/20 10:35

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	72427	05/31/20 10:11	UJHB	ECL 2
Instrument ID: GCMSUU										
Total/NA	Prep	3510C			100 mL	10 mL	71243	05/26/20 09:30	UWEZ	ECL 1
Total/NA	Analysis	8270C SIM ID		1			72251	05/30/20 12:04	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: HEW-01

Lab Sample ID: 570-28706-12

Date Collected: 05/20/20 08:14

Matrix: Water

Date Received: 05/20/20 10:35

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	72427	05/31/20 10:40	UJHB	ECL 2
Instrument ID: GCMSUU										
Total/NA	Prep	3510C			100 mL	10 mL	71243	05/26/20 09:30	UWEZ	ECL 1
Total/NA	Analysis	8270C SIM ID		1			72251	05/30/20 12:19	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: HEW-03

Lab Sample ID: 570-28706-13

Date Collected: 05/20/20 09:22

Matrix: Water

Date Received: 05/20/20 10:35

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	72427	05/31/20 11:09	UJHB	ECL 2
Instrument ID: GCMSUU										

Lab Chronicle

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

Job ID: 570-28706-1

Client Sample ID: HEW-03

Lab Sample ID: 570-28706-13

Date Collected: 05/20/20 09:22

Matrix: Water

Date Received: 05/20/20 10:35

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	71243	05/26/20 09:30	UWEZ	ECL 1
Total/NA	Analysis	8270C SIM ID		1			72251	05/30/20 12:35	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: UAX-01

Lab Sample ID: 570-28706-14

Date Collected: 05/20/20 09:33

Matrix: Water

Date Received: 05/20/20 10:35

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	72427	05/31/20 11:38	UJHB	ECL 2
Instrument ID: GCMSUU										
Total/NA	Prep	3510C			100 mL	10 mL	71243	05/26/20 09:30	UWEZ	ECL 1
Total/NA	Analysis	8270C SIM ID		1			72251	05/30/20 12:50	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.

Job ID: 570-28706-1

Project/Site: Raytheon Building 684 / 764.10

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	09-29-20
California	SCAQMD LAP	17LA0919	11-30-20
California	State	2944	09-29-20
Guam	State	20-003R	10-31-20
Nevada	State	CA00111	07-31-20
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-20

Method Summary

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

Job ID: 570-28706-1

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

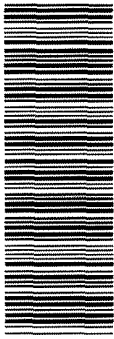
Client: Hargis + Associates, Inc.

Job ID: 570-28706-1

Project/Site: Raytheon Building 684 / 764.10

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-28706-1	TB-051920	Water	05/19/20 08:00	05/20/20 10:35	
570-28706-2	UAX-03	Water	05/19/20 09:07	05/20/20 10:35	
570-28706-3	HEW-04	Water	05/19/20 09:25	05/20/20 10:35	
570-28706-4	HEW-0400	Water	05/19/20 09:30	05/20/20 10:35	
570-28706-5	LAX-01	Water	05/19/20 10:20	05/20/20 10:35	
570-28706-6	HEW-02	Water	05/19/20 10:58	05/20/20 10:35	
570-28706-7	HEW-05	Water	05/19/20 11:20	05/20/20 10:35	
570-28706-8	LAX-03	Water	05/19/20 14:04	05/20/20 10:35	
570-28706-9	RB-051920	Water	05/19/20 14:21	05/20/20 10:35	
570-28706-10	LAX-02	Water	05/20/20 08:45	05/20/20 10:35	
570-28706-11	UAX-02	Water	05/20/20 09:03	05/20/20 10:35	
570-28706-12	HEW-01	Water	05/20/20 08:14	05/20/20 10:35	
570-28706-13	HEW-03	Water	05/20/20 09:22	05/20/20 10:35	
570-28706-14	UAX-01	Water	05/20/20 09:33	05/20/20 10:35	

28706



570-28706 Chain of Custody

Date: 5/19/20
Page 1 of 12



PROJECT: Building 684 - Raytheon
TASK NO.: 764.10

Project Manager Steve Netto
QA Manager Tyler Evans
Phone 858-455-6500

Project	LAB ID	Sampled By:	SAMPLE COLLECTION		MATRIX	PRESERVATION	CONTAINERS	ANALYSIS REQUESTED	ESTIMATED CONCENTRATION				SPECIAL HANDLING	REMARKS
			Date	Time					>1,000	100-1,000	10-100	0-10		
BCI Fullerton 764.10	1	TB-051920	5/19/20	0800	Groundwater	Hydrochloric Acid (HCl)	500 mL Amber	VOCs by EPA 8260B						
	2	VAX-03		0907	Lab prepared water		40-ml VOA	1,4-Dioxane by 8270 MOD						
	3	HEW-04		0925										
	4	HEW-0400		0930										
	5	LAX-01		1020										
	6	HEW-02		1058										
	7	HEW-05		1120										
	8	LAX-03		1404										
	9	RB-051920		1421										
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:

5/24/20 10:55

Relinquished By: / Company:

5/24/20 10:55

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

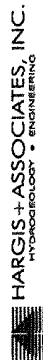
Ph: 858-455-6500

snetto@hargis.com

3.4/3.0
Temperature on receipt

28706

Date: 5/20/20
Page 2 of 2



PROJECT: Building 684 - Raytheon
TASK NO.: 764.10

Project Manager Steve Netto
QA Manager Tyler Evans
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 764.10	<u>A. Janson, T. Evans</u>	<u>5/24/20</u>	<u>0845</u>	Groundwater	Hydrochloric Acid (HCl)	500 mL Amber	VOCs by EPA 8260B	1,4-Dioxane by 8270 MOD				Standard TAT	
10	<u>LAX-02</u>	<u>5/24/20</u>	<u>0845</u>	X	X	X	X	X	X	X	X	X	
11	<u>VAX-02</u>	<u>5/24/20</u>	<u>0903</u>	X	X	X	X	X	X	X	X	X	
12	<u>HEW-01</u>	<u>5/24/20</u>	<u>0914</u>	X	X	X	X	X	X	X	X	X	
13	<u>HEW-03</u>	<u>5/24/20</u>	<u>0922</u>	X	X	X	X	X	X	X	X	X	
14	<u>VAX-01</u>	<u>5/24/20</u>	<u>0933</u>	X	X	X	X	X	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
<u>W. H. H.</u>	<u>5/20/20</u>	<u>W. H. H.</u>	<u>5/20/20</u>
	<u>10:35</u>		
Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time

☐	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: 570-28706-1

Login Number: 28706

List Source: Eurofins Calscience

List Number: 1

Creator: Patel, Virendra

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: 570-36781-1

Client Project/Site: Raytheon Full Scale/Bldg 684 (Fullerton)

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:
9/9/2020 10:54:44 AM

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

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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 (Fullerton)

Job ID: 570-36781-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
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 Full Scale/Bldg 684 (Fullerton)

Job ID: 570-36781-1

Job ID: 570-36781-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative 570-36781-1

Comments

No additional comments.

Receipt

The samples were received on 8/25/2020 6:00 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.9° C and 4.1° C.

GC/MS VOA

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with analytical batch 570-92518.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with analytical batch 570-92607.

Method 8260B: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: UB-05 (570-36781-29). Elevated reporting limits (RLs) are provided.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with analytical batch 570-92723.

Method 8260B: The laboratory control sample (LCS) for analytical batch 570-92788 recovered outside control limits for the following analytes: 1,1,2-Trichloro-1,2,2-trifluoroethane, 1,2-Dibromo-3-Chloropropane. Unless there is a specific client QAPP requirement, the reported analyte list for batch quality control samples (LCS, LCSD, MS, and MSD) is in accordance with EPA Method 8260B. Refer to the QC Sample Results section of this report

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with analytical batch 570-92788.

Method 8260B: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: UA-13D (570-36781-17). Elevated reporting limits (RLs) are provided.

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 (Fullerton)

Job ID: 570-36781-1

Client Sample ID: TB-082520

Lab Sample ID: 570-36781-1

No Detections.

Client Sample ID: S-27

Lab Sample ID: 570-36781-2

No Detections.

Client Sample ID: S-18

Lab Sample ID: 570-36781-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.22	J	0.50	0.10	ug/L	1		8260B	Total/NA
Trichloroethene	1.1		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: S-21

Lab Sample ID: 570-36781-4

No Detections.

Client Sample ID: UA-4D

Lab Sample ID: 570-36781-5

No Detections.

Client Sample ID: UB-01

Lab Sample ID: 570-36781-6

No Detections.

Client Sample ID: UAX-01

Lab Sample ID: 570-36781-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.9		0.50	0.10	ug/L	1		8260B	Total/NA
Trichloroethene	2.0		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: S-04

Lab Sample ID: 570-36781-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.33	J	0.50	0.24	ug/L	1		8260B	Total/NA
Trichloroethene	17		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: S-02

Lab Sample ID: 570-36781-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.36	J	0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: S-03

Lab Sample ID: 570-36781-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	5.6		0.50	0.10	ug/L	1		8260B	Total/NA
Trichlorofluoromethane	0.52		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: S-32

Lab Sample ID: 570-36781-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.83		0.50	0.24	ug/L	1		8260B	Total/NA
Trichloroethene	34		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: S-15

Lab Sample ID: 570-36781-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.30	J	0.50	0.10	ug/L	1		8260B	Total/NA
Trichloroethene	1.8		0.50	0.10	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 (Fullerton)

Job ID: 570-36781-1

Client Sample ID: RB-082520C

Lab Sample ID: 570-36781-13

No Detections.

Client Sample ID: AB-03

Lab Sample ID: 570-36781-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.40	J	0.50	0.24	ug/L	1		8260B	Total/NA
Trichloroethene	0.48	J	0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: HEW-01

Lab Sample ID: 570-36781-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	8.2	J	10	4.8	ug/L	20		8260B	Total/NA
Trichloroethene	560		10	2.0	ug/L	20		8260B	Total/NA
1,4-Dioxane	1.6		0.50	0.18	ug/L	1		8270C SIM ID	Total/NA

Client Sample ID: HEW-0100

Lab Sample ID: 570-36781-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	8.1	J	10	4.8	ug/L	20		8260B	Total/NA
Trichloroethene	550		10	2.0	ug/L	20		8260B	Total/NA
1,4-Dioxane	1.5		0.50	0.18	ug/L	1		8270C SIM ID	Total/NA

Client Sample ID: UA-13D

Lab Sample ID: 570-36781-17

No Detections.

Client Sample ID: UB-02

Lab Sample ID: 570-36781-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.39	J	0.50	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: AB-05

Lab Sample ID: 570-36781-19

No Detections.

Client Sample ID: RB-082520A

Lab Sample ID: 570-36781-20

No Detections.

Client Sample ID: LAX-01

Lab Sample ID: 570-36781-21

No Detections.

Client Sample ID: UA-11D

Lab Sample ID: 570-36781-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.79		0.50	0.24	ug/L	1		8260B	Total/NA
Trichloroethene	0.56		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: S-30

Lab Sample ID: 570-36781-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.2		0.50	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: S-3000

Lab Sample ID: 570-36781-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.4		0.50	0.24	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 (Fullerton)

Job ID: 570-36781-1

Client Sample ID: UA-11

Lab Sample ID: 570-36781-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Isopropylbenzene	0.21	J	0.50	0.077	ug/L	1		8260B	Total/NA
Tetrachloroethene	3.7		0.50	0.24	ug/L	1		8260B	Total/NA
Trichloroethene	1.2		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: UB-03

Lab Sample ID: 570-36781-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.4		0.50	0.11	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	7.5		0.50	0.082	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.4		0.50	0.24	ug/L	1		8260B	Total/NA
Trichloroethene	1.4		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: HEW-02

Lab Sample ID: 570-36781-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	120		2.0	0.41	ug/L	4		8260B	Total/NA
1,4-Dioxane	0.55		0.50	0.18	ug/L	1		8270C SIM ID	Total/NA

Client Sample ID: HEW-05

Lab Sample ID: 570-36781-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.1		2.0	0.43	ug/L	4		8260B	Total/NA
Trichloroethene	120		2.0	0.41	ug/L	4		8260B	Total/NA

Client Sample ID: UB-05

Lab Sample ID: 570-36781-29

No Detections.

Client Sample ID: AB-07

Lab Sample ID: 570-36781-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.5		0.50	0.11	ug/L	1		8260B	Total/NA
Isopropylbenzene	0.45	J	0.50	0.077	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	3.4		0.50	0.082	ug/L	1		8260B	Total/NA
Tetrachloroethene	8.1		0.50	0.24	ug/L	1		8260B	Total/NA
Trichloroethene	3.9		0.50	0.10	ug/L	1		8260B	Total/NA
Vinyl chloride	0.58		0.50	0.078	ug/L	1		8260B	Total/NA

Client Sample ID: UA-14D

Lab Sample ID: 570-36781-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	33		1.0	0.48	ug/L	2		8260B	Total/NA
Trichloroethene	0.87	J	1.0	0.20	ug/L	2		8260B	Total/NA

Client Sample ID: RB-082520B

Lab Sample ID: 570-36781-32

No Detections.

Client Sample ID: UA-16D

Lab Sample ID: 570-36781-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.59		0.50	0.24	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 (Fullerton)

Job ID: 570-36781-1

Client Sample ID: UA-17D

Lab Sample ID: 570-36781-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl-t-Butyl Ether (MTBE)	1.3		0.50	0.067	ug/L	1		8260B	Total/NA

Client Sample ID: AB-08

Lab Sample ID: 570-36781-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.7		0.50	0.11	ug/L	1		8260B	Total/NA
Isopropylbenzene	0.14	J	0.50	0.077	ug/L	1		8260B	Total/NA
Trichloroethene	0.29	J	0.50	0.10	ug/L	1		8260B	Total/NA
Vinyl chloride	0.46	J	0.50	0.078	ug/L	1		8260B	Total/NA

Client Sample ID: UB-06

Lab Sample ID: 570-36781-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.12	J	0.50	0.11	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.15	J	0.50	0.082	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.29	J	0.50	0.24	ug/L	1		8260B	Total/NA
Trichloroethene	3.9		0.50	0.10	ug/L	1		8260B	Total/NA
Vinyl chloride	0.13	J	0.50	0.078	ug/L	1		8260B	Total/NA

Client Sample ID: UB-0600

Lab Sample ID: 570-36781-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.33	J	0.50	0.24	ug/L	1		8260B	Total/NA
Trichloroethene	3.7		0.50	0.10	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: Raytheon Full Scale/Bldg 684 (Fullerton)

Job ID: 570-36781-1

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

Client Sample ID: TB-082520
Date Collected: 08/25/20 08:30
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/04/20 12:57	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/04/20 12:57	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/04/20 12:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/04/20 12:57	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/04/20 12:57	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/04/20 12:57	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/04/20 12:57	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/04/20 12:57	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/04/20 12:57	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/04/20 12:57	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/04/20 12:57	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/04/20 12:57	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/04/20 12:57	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/04/20 12:57	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/04/20 12:57	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/04/20 12:57	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/04/20 12:57	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/04/20 12:57	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/04/20 12:57	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/04/20 12:57	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/04/20 12:57	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/04/20 12:57	1
2-Butanone	ND		5.0	0.46	ug/L			09/04/20 12:57	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/04/20 12:57	1
2-Hexanone	ND		10	0.50	ug/L			09/04/20 12:57	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/04/20 12:57	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/04/20 12:57	1
Acetone	ND		10	4.0	ug/L			09/04/20 12:57	1
Benzene	ND		0.50	0.072	ug/L			09/04/20 12:57	1
Bromobenzene	ND		0.50	0.061	ug/L			09/04/20 12:57	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/04/20 12:57	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/04/20 12:57	1
Bromoform	ND		0.50	0.096	ug/L			09/04/20 12:57	1
Bromomethane	ND		2.0	0.99	ug/L			09/04/20 12:57	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/04/20 12:57	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/04/20 12:57	1
Carbon disulfide	ND		10	0.39	ug/L			09/04/20 12:57	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/04/20 12:57	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/04/20 12:57	1
Chloroethane	ND		0.50	0.12	ug/L			09/04/20 12:57	1
Chloroform	ND		0.50	0.062	ug/L			09/04/20 12:57	1
Chloromethane	ND		5.0	2.0	ug/L			09/04/20 12:57	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/04/20 12:57	1
Dibromomethane	ND		0.50	0.13	ug/L			09/04/20 12:57	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/04/20 12:57	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/04/20 12:57	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/04/20 12:57	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/04/20 12:57	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/04/20 12:57	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: TB-082520
Date Collected: 08/25/20 08:30
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/04/20 12:57	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/04/20 12:57	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/04/20 12:57	1
o-Xylene	ND		0.50	0.086	ug/L			09/04/20 12:57	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/04/20 12:57	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/04/20 12:57	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/04/20 12:57	1
Styrene	ND		0.50	0.059	ug/L			09/04/20 12:57	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/04/20 12:57	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/04/20 12:57	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/04/20 12:57	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/04/20 12:57	1
Toluene	ND		0.50	0.093	ug/L			09/04/20 12:57	1
Trichloroethene	ND		0.50	0.10	ug/L			09/04/20 12:57	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/04/20 12:57	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/04/20 12:57	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/04/20 12:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		80 - 128		09/04/20 12:57	1
4-Bromofluorobenzene (Surr)	89		68 - 120		09/04/20 12:57	1
Dibromofluoromethane	114		80 - 127		09/04/20 12:57	1
Toluene-d8 (Surr)	101		80 - 120		09/04/20 12:57	1

Client Sample ID: S-27
Date Collected: 08/25/20 08:50
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/04/20 13:25	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/04/20 13:25	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/04/20 13:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/04/20 13:25	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/04/20 13:25	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/04/20 13:25	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/04/20 13:25	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/04/20 13:25	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/04/20 13:25	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/04/20 13:25	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/04/20 13:25	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/04/20 13:25	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/04/20 13:25	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/04/20 13:25	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/04/20 13:25	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/04/20 13:25	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/04/20 13:25	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/04/20 13:25	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/04/20 13:25	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/04/20 13:25	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/04/20 13:25	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/04/20 13:25	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: S-27
Date Collected: 08/25/20 08:50
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/04/20 13:25	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/04/20 13:25	1
2-Hexanone	ND		10	0.50	ug/L			09/04/20 13:25	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/04/20 13:25	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/04/20 13:25	1
Acetone	ND		10	4.0	ug/L			09/04/20 13:25	1
Benzene	ND		0.50	0.072	ug/L			09/04/20 13:25	1
Bromobenzene	ND		0.50	0.061	ug/L			09/04/20 13:25	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/04/20 13:25	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/04/20 13:25	1
Bromoform	ND		0.50	0.096	ug/L			09/04/20 13:25	1
Bromomethane	ND		2.0	0.99	ug/L			09/04/20 13:25	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/04/20 13:25	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/04/20 13:25	1
Carbon disulfide	ND		10	0.39	ug/L			09/04/20 13:25	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/04/20 13:25	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/04/20 13:25	1
Chloroethane	ND		0.50	0.12	ug/L			09/04/20 13:25	1
Chloroform	ND		0.50	0.062	ug/L			09/04/20 13:25	1
Chloromethane	ND		5.0	2.0	ug/L			09/04/20 13:25	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/04/20 13:25	1
Dibromomethane	ND		0.50	0.13	ug/L			09/04/20 13:25	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/04/20 13:25	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/04/20 13:25	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/04/20 13:25	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/04/20 13:25	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/04/20 13:25	1
Naphthalene	ND		1.0	0.097	ug/L			09/04/20 13:25	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/04/20 13:25	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/04/20 13:25	1
o-Xylene	ND		0.50	0.086	ug/L			09/04/20 13:25	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/04/20 13:25	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/04/20 13:25	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/04/20 13:25	1
Styrene	ND		0.50	0.059	ug/L			09/04/20 13:25	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/04/20 13:25	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/04/20 13:25	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/04/20 13:25	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/04/20 13:25	1
Toluene	ND		0.50	0.093	ug/L			09/04/20 13:25	1
Trichloroethene	ND		0.50	0.10	ug/L			09/04/20 13:25	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/04/20 13:25	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/04/20 13:25	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/04/20 13:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		80 - 128		09/04/20 13:25	1
4-Bromofluorobenzene (Surr)	87		68 - 120		09/04/20 13:25	1
Dibromofluoromethane	114		80 - 127		09/04/20 13:25	1
Toluene-d8 (Surr)	101		80 - 120		09/04/20 13:25	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: S-18
Date Collected: 08/25/20 09:20
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/04/20 13:53	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/04/20 13:53	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/04/20 13:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/04/20 13:53	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/04/20 13:53	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/04/20 13:53	1
1,1-Dichloroethene	0.22	J	0.50	0.10	ug/L			09/04/20 13:53	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/04/20 13:53	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/04/20 13:53	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/04/20 13:53	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/04/20 13:53	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/04/20 13:53	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/04/20 13:53	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/04/20 13:53	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/04/20 13:53	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/04/20 13:53	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/04/20 13:53	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/04/20 13:53	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/04/20 13:53	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/04/20 13:53	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/04/20 13:53	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/04/20 13:53	1
2-Butanone	ND		5.0	0.46	ug/L			09/04/20 13:53	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/04/20 13:53	1
2-Hexanone	ND		10	0.50	ug/L			09/04/20 13:53	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/04/20 13:53	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/04/20 13:53	1
Acetone	ND		10	4.0	ug/L			09/04/20 13:53	1
Benzene	ND		0.50	0.072	ug/L			09/04/20 13:53	1
Bromobenzene	ND		0.50	0.061	ug/L			09/04/20 13:53	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/04/20 13:53	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/04/20 13:53	1
Bromoform	ND		0.50	0.096	ug/L			09/04/20 13:53	1
Bromomethane	ND		2.0	0.99	ug/L			09/04/20 13:53	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/04/20 13:53	1
cis-1,3-Dichloropropane	ND		0.50	0.096	ug/L			09/04/20 13:53	1
Carbon disulfide	ND		10	0.39	ug/L			09/04/20 13:53	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/04/20 13:53	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/04/20 13:53	1
Chloroethane	ND		0.50	0.12	ug/L			09/04/20 13:53	1
Chloroform	ND		0.50	0.062	ug/L			09/04/20 13:53	1
Chloromethane	ND		5.0	2.0	ug/L			09/04/20 13:53	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/04/20 13:53	1
Dibromomethane	ND		0.50	0.13	ug/L			09/04/20 13:53	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/04/20 13:53	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/04/20 13:53	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/04/20 13:53	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/04/20 13:53	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/04/20 13:53	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: S-18
Date Collected: 08/25/20 09:20
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/04/20 13:53	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/04/20 13:53	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/04/20 13:53	1
o-Xylene	ND		0.50	0.086	ug/L			09/04/20 13:53	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/04/20 13:53	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/04/20 13:53	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/04/20 13:53	1
Styrene	ND		0.50	0.059	ug/L			09/04/20 13:53	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/04/20 13:53	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/04/20 13:53	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/04/20 13:53	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/04/20 13:53	1
Toluene	ND		0.50	0.093	ug/L			09/04/20 13:53	1
Trichloroethene	1.1		0.50	0.10	ug/L			09/04/20 13:53	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/04/20 13:53	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/04/20 13:53	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/04/20 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		80 - 128		09/04/20 13:53	1
4-Bromofluorobenzene (Surr)	87		68 - 120		09/04/20 13:53	1
Dibromofluoromethane	118		80 - 127		09/04/20 13:53	1
Toluene-d8 (Surr)	104		80 - 120		09/04/20 13:53	1

Client Sample ID: S-21
Date Collected: 08/25/20 09:50
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/04/20 14:21	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/04/20 14:21	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/04/20 14:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/04/20 14:21	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/04/20 14:21	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/04/20 14:21	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/04/20 14:21	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/04/20 14:21	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/04/20 14:21	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/04/20 14:21	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/04/20 14:21	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/04/20 14:21	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/04/20 14:21	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/04/20 14:21	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/04/20 14:21	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/04/20 14:21	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/04/20 14:21	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/04/20 14:21	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/04/20 14:21	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/04/20 14:21	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/04/20 14:21	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/04/20 14:21	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: S-21
Date Collected: 08/25/20 09:50
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/04/20 14:21	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/04/20 14:21	1
2-Hexanone	ND		10	0.50	ug/L			09/04/20 14:21	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/04/20 14:21	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/04/20 14:21	1
Acetone	ND		10	4.0	ug/L			09/04/20 14:21	1
Benzene	ND		0.50	0.072	ug/L			09/04/20 14:21	1
Bromobenzene	ND		0.50	0.061	ug/L			09/04/20 14:21	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/04/20 14:21	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/04/20 14:21	1
Bromoform	ND		0.50	0.096	ug/L			09/04/20 14:21	1
Bromomethane	ND		2.0	0.99	ug/L			09/04/20 14:21	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/04/20 14:21	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/04/20 14:21	1
Carbon disulfide	ND		10	0.39	ug/L			09/04/20 14:21	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/04/20 14:21	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/04/20 14:21	1
Chloroethane	ND		0.50	0.12	ug/L			09/04/20 14:21	1
Chloroform	ND		0.50	0.062	ug/L			09/04/20 14:21	1
Chloromethane	ND		5.0	2.0	ug/L			09/04/20 14:21	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/04/20 14:21	1
Dibromomethane	ND		0.50	0.13	ug/L			09/04/20 14:21	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/04/20 14:21	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/04/20 14:21	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/04/20 14:21	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/04/20 14:21	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/04/20 14:21	1
Naphthalene	ND		1.0	0.097	ug/L			09/04/20 14:21	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/04/20 14:21	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/04/20 14:21	1
o-Xylene	ND		0.50	0.086	ug/L			09/04/20 14:21	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/04/20 14:21	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/04/20 14:21	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/04/20 14:21	1
Styrene	ND		0.50	0.059	ug/L			09/04/20 14:21	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/04/20 14:21	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/04/20 14:21	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/04/20 14:21	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/04/20 14:21	1
Toluene	ND		0.50	0.093	ug/L			09/04/20 14:21	1
Trichloroethene	ND		0.50	0.10	ug/L			09/04/20 14:21	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/04/20 14:21	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/04/20 14:21	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/04/20 14:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		80 - 128		09/04/20 14:21	1
4-Bromofluorobenzene (Surr)	89		68 - 120		09/04/20 14:21	1
Dibromofluoromethane	115		80 - 127		09/04/20 14:21	1
Toluene-d8 (Surr)	99		80 - 120		09/04/20 14:21	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: UA-4D
Date Collected: 08/25/20 10:10
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/04/20 14:48	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/04/20 14:48	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/04/20 14:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/04/20 14:48	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/04/20 14:48	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/04/20 14:48	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/04/20 14:48	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/04/20 14:48	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/04/20 14:48	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/04/20 14:48	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/04/20 14:48	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/04/20 14:48	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/04/20 14:48	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/04/20 14:48	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/04/20 14:48	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/04/20 14:48	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/04/20 14:48	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/04/20 14:48	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/04/20 14:48	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/04/20 14:48	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/04/20 14:48	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/04/20 14:48	1
2-Butanone	ND		5.0	0.46	ug/L			09/04/20 14:48	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/04/20 14:48	1
2-Hexanone	ND		10	0.50	ug/L			09/04/20 14:48	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/04/20 14:48	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/04/20 14:48	1
Acetone	ND		10	4.0	ug/L			09/04/20 14:48	1
Benzene	ND		0.50	0.072	ug/L			09/04/20 14:48	1
Bromobenzene	ND		0.50	0.061	ug/L			09/04/20 14:48	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/04/20 14:48	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/04/20 14:48	1
Bromoform	ND		0.50	0.096	ug/L			09/04/20 14:48	1
Bromomethane	ND		2.0	0.99	ug/L			09/04/20 14:48	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/04/20 14:48	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/04/20 14:48	1
Carbon disulfide	ND		10	0.39	ug/L			09/04/20 14:48	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/04/20 14:48	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/04/20 14:48	1
Chloroethane	ND		0.50	0.12	ug/L			09/04/20 14:48	1
Chloroform	ND		0.50	0.062	ug/L			09/04/20 14:48	1
Chloromethane	ND		5.0	2.0	ug/L			09/04/20 14:48	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/04/20 14:48	1
Dibromomethane	ND		0.50	0.13	ug/L			09/04/20 14:48	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/04/20 14:48	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/04/20 14:48	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/04/20 14:48	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/04/20 14:48	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/04/20 14:48	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: UA-4D

Date Collected: 08/25/20 10:10

Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/04/20 14:48	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/04/20 14:48	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/04/20 14:48	1
o-Xylene	ND		0.50	0.086	ug/L			09/04/20 14:48	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/04/20 14:48	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/04/20 14:48	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/04/20 14:48	1
Styrene	ND		0.50	0.059	ug/L			09/04/20 14:48	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/04/20 14:48	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/04/20 14:48	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/04/20 14:48	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/04/20 14:48	1
Toluene	ND		0.50	0.093	ug/L			09/04/20 14:48	1
Trichloroethene	ND		0.50	0.10	ug/L			09/04/20 14:48	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/04/20 14:48	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/04/20 14:48	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/04/20 14:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 128		09/04/20 14:48	1
4-Bromofluorobenzene (Surr)	87		68 - 120		09/04/20 14:48	1
Dibromofluoromethane	117		80 - 127		09/04/20 14:48	1
Toluene-d8 (Surr)	101		80 - 120		09/04/20 14:48	1

Client Sample ID: UB-01

Date Collected: 08/25/20 10:25

Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-6

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/04/20 15:16	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/04/20 15:16	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/04/20 15:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/04/20 15:16	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/04/20 15:16	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/04/20 15:16	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/04/20 15:16	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/04/20 15:16	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/04/20 15:16	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/04/20 15:16	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/04/20 15:16	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/04/20 15:16	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/04/20 15:16	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/04/20 15:16	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/04/20 15:16	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/04/20 15:16	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/04/20 15:16	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/04/20 15:16	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/04/20 15:16	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/04/20 15:16	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/04/20 15:16	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/04/20 15:16	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: UB-01
Date Collected: 08/25/20 10:25
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/04/20 15:16	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/04/20 15:16	1
2-Hexanone	ND		10	0.50	ug/L			09/04/20 15:16	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/04/20 15:16	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/04/20 15:16	1
Acetone	ND		10	4.0	ug/L			09/04/20 15:16	1
Benzene	ND		0.50	0.072	ug/L			09/04/20 15:16	1
Bromobenzene	ND		0.50	0.061	ug/L			09/04/20 15:16	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/04/20 15:16	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/04/20 15:16	1
Bromoform	ND		0.50	0.096	ug/L			09/04/20 15:16	1
Bromomethane	ND		2.0	0.99	ug/L			09/04/20 15:16	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/04/20 15:16	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/04/20 15:16	1
Carbon disulfide	ND		10	0.39	ug/L			09/04/20 15:16	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/04/20 15:16	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/04/20 15:16	1
Chloroethane	ND		0.50	0.12	ug/L			09/04/20 15:16	1
Chloroform	ND		0.50	0.062	ug/L			09/04/20 15:16	1
Chloromethane	ND		5.0	2.0	ug/L			09/04/20 15:16	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/04/20 15:16	1
Dibromomethane	ND		0.50	0.13	ug/L			09/04/20 15:16	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/04/20 15:16	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/04/20 15:16	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/04/20 15:16	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/04/20 15:16	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/04/20 15:16	1
Naphthalene	ND		1.0	0.097	ug/L			09/04/20 15:16	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/04/20 15:16	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/04/20 15:16	1
o-Xylene	ND		0.50	0.086	ug/L			09/04/20 15:16	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/04/20 15:16	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/04/20 15:16	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/04/20 15:16	1
Styrene	ND		0.50	0.059	ug/L			09/04/20 15:16	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/04/20 15:16	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/04/20 15:16	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/04/20 15:16	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/04/20 15:16	1
Toluene	ND		0.50	0.093	ug/L			09/04/20 15:16	1
Trichloroethene	ND		0.50	0.10	ug/L			09/04/20 15:16	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/04/20 15:16	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/04/20 15:16	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/04/20 15:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		80 - 128		09/04/20 15:16	1
4-Bromofluorobenzene (Surr)	89		68 - 120		09/04/20 15:16	1
Dibromofluoromethane	117		80 - 127		09/04/20 15:16	1
Toluene-d8 (Surr)	101		80 - 120		09/04/20 15:16	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: UAX-01
Date Collected: 08/25/20 10:40
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/04/20 15:44	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/04/20 15:44	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/04/20 15:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/04/20 15:44	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/04/20 15:44	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/04/20 15:44	1
1,1-Dichloroethene	1.9		0.50	0.10	ug/L			09/04/20 15:44	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/04/20 15:44	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/04/20 15:44	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/04/20 15:44	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/04/20 15:44	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/04/20 15:44	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/04/20 15:44	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/04/20 15:44	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/04/20 15:44	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/04/20 15:44	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/04/20 15:44	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/04/20 15:44	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/04/20 15:44	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/04/20 15:44	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/04/20 15:44	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/04/20 15:44	1
2-Butanone	ND		5.0	0.46	ug/L			09/04/20 15:44	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/04/20 15:44	1
2-Hexanone	ND		10	0.50	ug/L			09/04/20 15:44	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/04/20 15:44	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/04/20 15:44	1
Acetone	ND		10	4.0	ug/L			09/04/20 15:44	1
Benzene	ND		0.50	0.072	ug/L			09/04/20 15:44	1
Bromobenzene	ND		0.50	0.061	ug/L			09/04/20 15:44	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/04/20 15:44	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/04/20 15:44	1
Bromoform	ND		0.50	0.096	ug/L			09/04/20 15:44	1
Bromomethane	ND		2.0	0.99	ug/L			09/04/20 15:44	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/04/20 15:44	1
cis-1,3-Dichloropropane	ND		0.50	0.096	ug/L			09/04/20 15:44	1
Carbon disulfide	ND		10	0.39	ug/L			09/04/20 15:44	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/04/20 15:44	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/04/20 15:44	1
Chloroethane	ND		0.50	0.12	ug/L			09/04/20 15:44	1
Chloroform	ND		0.50	0.062	ug/L			09/04/20 15:44	1
Chloromethane	ND		5.0	2.0	ug/L			09/04/20 15:44	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/04/20 15:44	1
Dibromomethane	ND		0.50	0.13	ug/L			09/04/20 15:44	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/04/20 15:44	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/04/20 15:44	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/04/20 15:44	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/04/20 15:44	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/04/20 15:44	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: UAX-01
Date Collected: 08/25/20 10:40
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/04/20 15:44	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/04/20 15:44	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/04/20 15:44	1
o-Xylene	ND		0.50	0.086	ug/L			09/04/20 15:44	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/04/20 15:44	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/04/20 15:44	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/04/20 15:44	1
Styrene	ND		0.50	0.059	ug/L			09/04/20 15:44	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/04/20 15:44	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/04/20 15:44	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/04/20 15:44	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/04/20 15:44	1
Toluene	ND		0.50	0.093	ug/L			09/04/20 15:44	1
Trichloroethene	2.0		0.50	0.10	ug/L			09/04/20 15:44	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/04/20 15:44	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/04/20 15:44	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/04/20 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		80 - 128		09/04/20 15:44	1
4-Bromofluorobenzene (Surr)	87		68 - 120		09/04/20 15:44	1
Dibromofluoromethane	114		80 - 127		09/04/20 15:44	1
Toluene-d8 (Surr)	102		80 - 120		09/04/20 15:44	1

Client Sample ID: S-04
Date Collected: 08/25/20 10:50
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/04/20 16:12	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/04/20 16:12	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/04/20 16:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/04/20 16:12	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/04/20 16:12	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/04/20 16:12	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/04/20 16:12	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/04/20 16:12	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/04/20 16:12	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/04/20 16:12	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/04/20 16:12	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/04/20 16:12	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/04/20 16:12	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/04/20 16:12	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/04/20 16:12	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/04/20 16:12	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/04/20 16:12	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/04/20 16:12	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/04/20 16:12	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/04/20 16:12	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/04/20 16:12	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/04/20 16:12	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: S-04
Date Collected: 08/25/20 10:50
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/04/20 16:12	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/04/20 16:12	1
2-Hexanone	ND		10	0.50	ug/L			09/04/20 16:12	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/04/20 16:12	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/04/20 16:12	1
Acetone	ND		10	4.0	ug/L			09/04/20 16:12	1
Benzene	ND		0.50	0.072	ug/L			09/04/20 16:12	1
Bromobenzene	ND		0.50	0.061	ug/L			09/04/20 16:12	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/04/20 16:12	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/04/20 16:12	1
Bromoform	ND		0.50	0.096	ug/L			09/04/20 16:12	1
Bromomethane	ND		2.0	0.99	ug/L			09/04/20 16:12	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/04/20 16:12	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/04/20 16:12	1
Carbon disulfide	ND		10	0.39	ug/L			09/04/20 16:12	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/04/20 16:12	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/04/20 16:12	1
Chloroethane	ND		0.50	0.12	ug/L			09/04/20 16:12	1
Chloroform	ND		0.50	0.062	ug/L			09/04/20 16:12	1
Chloromethane	ND		5.0	2.0	ug/L			09/04/20 16:12	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/04/20 16:12	1
Dibromomethane	ND		0.50	0.13	ug/L			09/04/20 16:12	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/04/20 16:12	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/04/20 16:12	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/04/20 16:12	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/04/20 16:12	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/04/20 16:12	1
Naphthalene	ND		1.0	0.097	ug/L			09/04/20 16:12	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/04/20 16:12	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/04/20 16:12	1
o-Xylene	ND		0.50	0.086	ug/L			09/04/20 16:12	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/04/20 16:12	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/04/20 16:12	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/04/20 16:12	1
Styrene	ND		0.50	0.059	ug/L			09/04/20 16:12	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/04/20 16:12	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/04/20 16:12	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/04/20 16:12	1
Tetrachloroethene	0.33	J	0.50	0.24	ug/L			09/04/20 16:12	1
Toluene	ND		0.50	0.093	ug/L			09/04/20 16:12	1
Trichloroethene	17		0.50	0.10	ug/L			09/04/20 16:12	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/04/20 16:12	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/04/20 16:12	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/04/20 16:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		80 - 128		09/04/20 16:12	1
4-Bromofluorobenzene (Surr)	91		68 - 120		09/04/20 16:12	1
Dibromofluoromethane	117		80 - 127		09/04/20 16:12	1
Toluene-d8 (Surr)	102		80 - 120		09/04/20 16:12	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: S-02
Date Collected: 08/25/20 12:48
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/04/20 16:40	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/04/20 16:40	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/04/20 16:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/04/20 16:40	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/04/20 16:40	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/04/20 16:40	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/04/20 16:40	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/04/20 16:40	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/04/20 16:40	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/04/20 16:40	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/04/20 16:40	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/04/20 16:40	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/04/20 16:40	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/04/20 16:40	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/04/20 16:40	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/04/20 16:40	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/04/20 16:40	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/04/20 16:40	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/04/20 16:40	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/04/20 16:40	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/04/20 16:40	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/04/20 16:40	1
2-Butanone	ND		5.0	0.46	ug/L			09/04/20 16:40	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/04/20 16:40	1
2-Hexanone	ND		10	0.50	ug/L			09/04/20 16:40	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/04/20 16:40	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/04/20 16:40	1
Acetone	ND		10	4.0	ug/L			09/04/20 16:40	1
Benzene	ND		0.50	0.072	ug/L			09/04/20 16:40	1
Bromobenzene	ND		0.50	0.061	ug/L			09/04/20 16:40	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/04/20 16:40	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/04/20 16:40	1
Bromoform	ND		0.50	0.096	ug/L			09/04/20 16:40	1
Bromomethane	ND		2.0	0.99	ug/L			09/04/20 16:40	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/04/20 16:40	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/04/20 16:40	1
Carbon disulfide	ND		10	0.39	ug/L			09/04/20 16:40	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/04/20 16:40	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/04/20 16:40	1
Chloroethane	ND		0.50	0.12	ug/L			09/04/20 16:40	1
Chloroform	ND		0.50	0.062	ug/L			09/04/20 16:40	1
Chloromethane	ND		5.0	2.0	ug/L			09/04/20 16:40	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/04/20 16:40	1
Dibromomethane	ND		0.50	0.13	ug/L			09/04/20 16:40	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/04/20 16:40	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/04/20 16:40	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/04/20 16:40	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/04/20 16:40	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/04/20 16:40	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: S-02
Date Collected: 08/25/20 12:48
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/04/20 16:40	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/04/20 16:40	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/04/20 16:40	1
o-Xylene	ND		0.50	0.086	ug/L			09/04/20 16:40	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/04/20 16:40	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/04/20 16:40	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/04/20 16:40	1
Styrene	ND		0.50	0.059	ug/L			09/04/20 16:40	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/04/20 16:40	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/04/20 16:40	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/04/20 16:40	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/04/20 16:40	1
Toluene	ND		0.50	0.093	ug/L			09/04/20 16:40	1
Trichloroethene	0.36	J	0.50	0.10	ug/L			09/04/20 16:40	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/04/20 16:40	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/04/20 16:40	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/04/20 16:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		80 - 128		09/04/20 16:40	1
4-Bromofluorobenzene (Surr)	85		68 - 120		09/04/20 16:40	1
Dibromofluoromethane	112		80 - 127		09/04/20 16:40	1
Toluene-d8 (Surr)	103		80 - 120		09/04/20 16:40	1

Client Sample ID: S-03
Date Collected: 08/25/20 13:15
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/04/20 17:08	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/04/20 17:08	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/04/20 17:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/04/20 17:08	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/04/20 17:08	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/04/20 17:08	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/04/20 17:08	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/04/20 17:08	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/04/20 17:08	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/04/20 17:08	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/04/20 17:08	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/04/20 17:08	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/04/20 17:08	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/04/20 17:08	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/04/20 17:08	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/04/20 17:08	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/04/20 17:08	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/04/20 17:08	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/04/20 17:08	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/04/20 17:08	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/04/20 17:08	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/04/20 17:08	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: S-03
Date Collected: 08/25/20 13:15
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/04/20 17:08	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/04/20 17:08	1
2-Hexanone	ND		10	0.50	ug/L			09/04/20 17:08	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/04/20 17:08	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/04/20 17:08	1
Acetone	ND		10	4.0	ug/L			09/04/20 17:08	1
Benzene	ND		0.50	0.072	ug/L			09/04/20 17:08	1
Bromobenzene	ND		0.50	0.061	ug/L			09/04/20 17:08	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/04/20 17:08	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/04/20 17:08	1
Bromoform	ND		0.50	0.096	ug/L			09/04/20 17:08	1
Bromomethane	ND		2.0	0.99	ug/L			09/04/20 17:08	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/04/20 17:08	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/04/20 17:08	1
Carbon disulfide	ND		10	0.39	ug/L			09/04/20 17:08	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/04/20 17:08	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/04/20 17:08	1
Chloroethane	ND		0.50	0.12	ug/L			09/04/20 17:08	1
Chloroform	ND		0.50	0.062	ug/L			09/04/20 17:08	1
Chloromethane	ND		5.0	2.0	ug/L			09/04/20 17:08	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/04/20 17:08	1
Dibromomethane	ND		0.50	0.13	ug/L			09/04/20 17:08	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/04/20 17:08	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/04/20 17:08	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/04/20 17:08	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/04/20 17:08	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/04/20 17:08	1
Naphthalene	ND		1.0	0.097	ug/L			09/04/20 17:08	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/04/20 17:08	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/04/20 17:08	1
o-Xylene	ND		0.50	0.086	ug/L			09/04/20 17:08	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/04/20 17:08	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/04/20 17:08	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/04/20 17:08	1
Styrene	ND		0.50	0.059	ug/L			09/04/20 17:08	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/04/20 17:08	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/04/20 17:08	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/04/20 17:08	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/04/20 17:08	1
Toluene	ND		0.50	0.093	ug/L			09/04/20 17:08	1
Trichloroethene	5.6		0.50	0.10	ug/L			09/04/20 17:08	1
Trichlorofluoromethane	0.52		0.50	0.10	ug/L			09/04/20 17:08	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/04/20 17:08	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/04/20 17:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 128		09/04/20 17:08	1
4-Bromofluorobenzene (Surr)	89		68 - 120		09/04/20 17:08	1
Dibromofluoromethane	115		80 - 127		09/04/20 17:08	1
Toluene-d8 (Surr)	103		80 - 120		09/04/20 17:08	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: S-32
Date Collected: 08/25/20 13:30
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-11
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/04/20 17:36	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/04/20 17:36	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/04/20 17:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/04/20 17:36	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/04/20 17:36	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/04/20 17:36	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/04/20 17:36	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/04/20 17:36	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/04/20 17:36	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/04/20 17:36	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/04/20 17:36	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/04/20 17:36	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/04/20 17:36	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/04/20 17:36	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/04/20 17:36	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/04/20 17:36	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/04/20 17:36	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/04/20 17:36	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/04/20 17:36	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/04/20 17:36	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/04/20 17:36	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/04/20 17:36	1
2-Butanone	ND		5.0	0.46	ug/L			09/04/20 17:36	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/04/20 17:36	1
2-Hexanone	ND		10	0.50	ug/L			09/04/20 17:36	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/04/20 17:36	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/04/20 17:36	1
Acetone	ND		10	4.0	ug/L			09/04/20 17:36	1
Benzene	ND		0.50	0.072	ug/L			09/04/20 17:36	1
Bromobenzene	ND		0.50	0.061	ug/L			09/04/20 17:36	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/04/20 17:36	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/04/20 17:36	1
Bromoform	ND		0.50	0.096	ug/L			09/04/20 17:36	1
Bromomethane	ND		2.0	0.99	ug/L			09/04/20 17:36	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/04/20 17:36	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/04/20 17:36	1
Carbon disulfide	ND		10	0.39	ug/L			09/04/20 17:36	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/04/20 17:36	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/04/20 17:36	1
Chloroethane	ND		0.50	0.12	ug/L			09/04/20 17:36	1
Chloroform	ND		0.50	0.062	ug/L			09/04/20 17:36	1
Chloromethane	ND		5.0	2.0	ug/L			09/04/20 17:36	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/04/20 17:36	1
Dibromomethane	ND		0.50	0.13	ug/L			09/04/20 17:36	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/04/20 17:36	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/04/20 17:36	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/04/20 17:36	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/04/20 17:36	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/04/20 17:36	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: S-32
Date Collected: 08/25/20 13:30
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-11
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/04/20 17:36	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/04/20 17:36	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/04/20 17:36	1
o-Xylene	ND		0.50	0.086	ug/L			09/04/20 17:36	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/04/20 17:36	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/04/20 17:36	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/04/20 17:36	1
Styrene	ND		0.50	0.059	ug/L			09/04/20 17:36	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/04/20 17:36	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/04/20 17:36	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/04/20 17:36	1
Tetrachloroethene	0.83		0.50	0.24	ug/L			09/04/20 17:36	1
Toluene	ND		0.50	0.093	ug/L			09/04/20 17:36	1
Trichloroethene	34		0.50	0.10	ug/L			09/04/20 17:36	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/04/20 17:36	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/04/20 17:36	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/04/20 17:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		80 - 128		09/04/20 17:36	1
4-Bromofluorobenzene (Surr)	86		68 - 120		09/04/20 17:36	1
Dibromofluoromethane	116		80 - 127		09/04/20 17:36	1
Toluene-d8 (Surr)	104		80 - 120		09/04/20 17:36	1

Client Sample ID: S-15
Date Collected: 08/25/20 14:42
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/04/20 18:04	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/04/20 18:04	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/04/20 18:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/04/20 18:04	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/04/20 18:04	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/04/20 18:04	1
1,1-Dichloroethene	0.30	J	0.50	0.10	ug/L			09/04/20 18:04	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/04/20 18:04	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/04/20 18:04	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/04/20 18:04	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/04/20 18:04	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/04/20 18:04	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/04/20 18:04	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/04/20 18:04	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/04/20 18:04	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/04/20 18:04	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/04/20 18:04	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/04/20 18:04	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/04/20 18:04	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/04/20 18:04	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/04/20 18:04	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/04/20 18:04	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: S-15
Date Collected: 08/25/20 14:42
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/04/20 18:04	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/04/20 18:04	1
2-Hexanone	ND		10	0.50	ug/L			09/04/20 18:04	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/04/20 18:04	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/04/20 18:04	1
Acetone	ND		10	4.0	ug/L			09/04/20 18:04	1
Benzene	ND		0.50	0.072	ug/L			09/04/20 18:04	1
Bromobenzene	ND		0.50	0.061	ug/L			09/04/20 18:04	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/04/20 18:04	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/04/20 18:04	1
Bromoform	ND		0.50	0.096	ug/L			09/04/20 18:04	1
Bromomethane	ND		2.0	0.99	ug/L			09/04/20 18:04	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/04/20 18:04	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/04/20 18:04	1
Carbon disulfide	ND		10	0.39	ug/L			09/04/20 18:04	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/04/20 18:04	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/04/20 18:04	1
Chloroethane	ND		0.50	0.12	ug/L			09/04/20 18:04	1
Chloroform	ND		0.50	0.062	ug/L			09/04/20 18:04	1
Chloromethane	ND		5.0	2.0	ug/L			09/04/20 18:04	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/04/20 18:04	1
Dibromomethane	ND		0.50	0.13	ug/L			09/04/20 18:04	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/04/20 18:04	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/04/20 18:04	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/04/20 18:04	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/04/20 18:04	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/04/20 18:04	1
Naphthalene	ND		1.0	0.097	ug/L			09/04/20 18:04	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/04/20 18:04	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/04/20 18:04	1
o-Xylene	ND		0.50	0.086	ug/L			09/04/20 18:04	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/04/20 18:04	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/04/20 18:04	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/04/20 18:04	1
Styrene	ND		0.50	0.059	ug/L			09/04/20 18:04	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/04/20 18:04	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/04/20 18:04	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/04/20 18:04	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/04/20 18:04	1
Toluene	ND		0.50	0.093	ug/L			09/04/20 18:04	1
Trichloroethene	1.8		0.50	0.10	ug/L			09/04/20 18:04	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/04/20 18:04	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/04/20 18:04	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/04/20 18:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		80 - 128		09/04/20 18:04	1
4-Bromofluorobenzene (Surr)	84		68 - 120		09/04/20 18:04	1
Dibromofluoromethane	115		80 - 127		09/04/20 18:04	1
Toluene-d8 (Surr)	101		80 - 120		09/04/20 18:04	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: RB-082520C
Date Collected: 08/25/20 14:48
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/04/20 18:32	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/04/20 18:32	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/04/20 18:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/04/20 18:32	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/04/20 18:32	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/04/20 18:32	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/04/20 18:32	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/04/20 18:32	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/04/20 18:32	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/04/20 18:32	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/04/20 18:32	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/04/20 18:32	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/04/20 18:32	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/04/20 18:32	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/04/20 18:32	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/04/20 18:32	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/04/20 18:32	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/04/20 18:32	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/04/20 18:32	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/04/20 18:32	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/04/20 18:32	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/04/20 18:32	1
2-Butanone	ND		5.0	0.46	ug/L			09/04/20 18:32	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/04/20 18:32	1
2-Hexanone	ND		10	0.50	ug/L			09/04/20 18:32	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/04/20 18:32	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/04/20 18:32	1
Acetone	ND		10	4.0	ug/L			09/04/20 18:32	1
Benzene	ND		0.50	0.072	ug/L			09/04/20 18:32	1
Bromobenzene	ND		0.50	0.061	ug/L			09/04/20 18:32	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/04/20 18:32	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/04/20 18:32	1
Bromoform	ND		0.50	0.096	ug/L			09/04/20 18:32	1
Bromomethane	ND		2.0	0.99	ug/L			09/04/20 18:32	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/04/20 18:32	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/04/20 18:32	1
Carbon disulfide	ND		10	0.39	ug/L			09/04/20 18:32	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/04/20 18:32	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/04/20 18:32	1
Chloroethane	ND		0.50	0.12	ug/L			09/04/20 18:32	1
Chloroform	ND		0.50	0.062	ug/L			09/04/20 18:32	1
Chloromethane	ND		5.0	2.0	ug/L			09/04/20 18:32	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/04/20 18:32	1
Dibromomethane	ND		0.50	0.13	ug/L			09/04/20 18:32	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/04/20 18:32	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/04/20 18:32	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/04/20 18:32	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/04/20 18:32	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/04/20 18:32	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: RB-082520C
Date Collected: 08/25/20 14:48
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/04/20 18:32	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/04/20 18:32	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/04/20 18:32	1
o-Xylene	ND		0.50	0.086	ug/L			09/04/20 18:32	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/04/20 18:32	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/04/20 18:32	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/04/20 18:32	1
Styrene	ND		0.50	0.059	ug/L			09/04/20 18:32	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/04/20 18:32	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/04/20 18:32	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/04/20 18:32	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/04/20 18:32	1
Toluene	ND		0.50	0.093	ug/L			09/04/20 18:32	1
Trichloroethene	ND		0.50	0.10	ug/L			09/04/20 18:32	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/04/20 18:32	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/04/20 18:32	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/04/20 18:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 128		09/04/20 18:32	1
4-Bromofluorobenzene (Surr)	87		68 - 120		09/04/20 18:32	1
Dibromofluoromethane	116		80 - 127		09/04/20 18:32	1
Toluene-d8 (Surr)	101		80 - 120		09/04/20 18:32	1

Client Sample ID: AB-03
Date Collected: 08/25/20 15:08
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-14
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/04/20 19:00	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/04/20 19:00	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/04/20 19:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/04/20 19:00	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/04/20 19:00	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/04/20 19:00	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/04/20 19:00	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/04/20 19:00	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/04/20 19:00	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/04/20 19:00	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/04/20 19:00	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/04/20 19:00	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/04/20 19:00	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/04/20 19:00	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/04/20 19:00	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/04/20 19:00	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/04/20 19:00	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/04/20 19:00	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/04/20 19:00	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/04/20 19:00	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/04/20 19:00	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/04/20 19:00	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: AB-03
Date Collected: 08/25/20 15:08
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-14
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/04/20 19:00	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/04/20 19:00	1
2-Hexanone	ND		10	0.50	ug/L			09/04/20 19:00	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/04/20 19:00	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/04/20 19:00	1
Acetone	ND		10	4.0	ug/L			09/04/20 19:00	1
Benzene	ND		0.50	0.072	ug/L			09/04/20 19:00	1
Bromobenzene	ND		0.50	0.061	ug/L			09/04/20 19:00	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/04/20 19:00	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/04/20 19:00	1
Bromoform	ND		0.50	0.096	ug/L			09/04/20 19:00	1
Bromomethane	ND		2.0	0.99	ug/L			09/04/20 19:00	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/04/20 19:00	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/04/20 19:00	1
Carbon disulfide	ND		10	0.39	ug/L			09/04/20 19:00	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/04/20 19:00	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/04/20 19:00	1
Chloroethane	ND		0.50	0.12	ug/L			09/04/20 19:00	1
Chloroform	ND		0.50	0.062	ug/L			09/04/20 19:00	1
Chloromethane	ND		5.0	2.0	ug/L			09/04/20 19:00	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/04/20 19:00	1
Dibromomethane	ND		0.50	0.13	ug/L			09/04/20 19:00	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/04/20 19:00	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/04/20 19:00	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/04/20 19:00	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/04/20 19:00	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/04/20 19:00	1
Naphthalene	ND		1.0	0.097	ug/L			09/04/20 19:00	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/04/20 19:00	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/04/20 19:00	1
o-Xylene	ND		0.50	0.086	ug/L			09/04/20 19:00	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/04/20 19:00	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/04/20 19:00	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/04/20 19:00	1
Styrene	ND		0.50	0.059	ug/L			09/04/20 19:00	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/04/20 19:00	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/04/20 19:00	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/04/20 19:00	1
Tetrachloroethene	0.40	J	0.50	0.24	ug/L			09/04/20 19:00	1
Toluene	ND		0.50	0.093	ug/L			09/04/20 19:00	1
Trichloroethene	0.48	J	0.50	0.10	ug/L			09/04/20 19:00	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/04/20 19:00	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/04/20 19:00	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/04/20 19:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 128		09/04/20 19:00	1
4-Bromofluorobenzene (Surr)	87		68 - 120		09/04/20 19:00	1
Dibromofluoromethane	117		80 - 127		09/04/20 19:00	1
Toluene-d8 (Surr)	100		80 - 120		09/04/20 19:00	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: HEW-01
Date Collected: 08/25/20 15:26
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-15
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		10	1.4	ug/L			09/04/20 19:56	20
1,1,1-Trichloroethane	ND		10	1.7	ug/L			09/04/20 19:56	20
1,1,2,2-Tetrachloroethane	ND		10	1.7	ug/L			09/04/20 19:56	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	2.5	ug/L			09/04/20 19:56	20
1,1,2-Trichloroethane	ND		10	1.4	ug/L			09/04/20 19:56	20
1,1-Dichloroethane	ND		10	1.2	ug/L			09/04/20 19:56	20
1,1-Dichloroethene	ND		10	2.1	ug/L			09/04/20 19:56	20
1,1-Dichloropropene	ND		10	1.4	ug/L			09/04/20 19:56	20
1,2,3-Trichlorobenzene	ND		10	2.4	ug/L			09/04/20 19:56	20
1,2,3-Trichloropropane	ND		20	1.5	ug/L			09/04/20 19:56	20
1,2,4-Trichlorobenzene	ND		10	1.8	ug/L			09/04/20 19:56	20
1,2,4-Trimethylbenzene	ND		10	1.4	ug/L			09/04/20 19:56	20
1,2-Dibromo-3-Chloropropane	ND		100	10	ug/L			09/04/20 19:56	20
1,2-Dibromoethane	ND		10	1.2	ug/L			09/04/20 19:56	20
1,2-Dichlorobenzene	ND		10	1.6	ug/L			09/04/20 19:56	20
1,2-Dichloroethane	ND		10	1.5	ug/L			09/04/20 19:56	20
1,2-Dichloropropane	ND		10	2.0	ug/L			09/04/20 19:56	20
1,3,5-Trimethylbenzene	ND		10	1.6	ug/L			09/04/20 19:56	20
1,3-Dichlorobenzene	ND		10	2.0	ug/L			09/04/20 19:56	20
1,3-Dichloropropane	ND		20	1.6	ug/L			09/04/20 19:56	20
1,4-Dichlorobenzene	ND		10	1.5	ug/L			09/04/20 19:56	20
2,2-Dichloropropane	ND		20	7.5	ug/L			09/04/20 19:56	20
2-Butanone	ND		100	9.2	ug/L			09/04/20 19:56	20
2-Chlorotoluene	ND		10	1.2	ug/L			09/04/20 19:56	20
2-Hexanone	ND		200	10	ug/L			09/04/20 19:56	20
4-Chlorotoluene	ND		10	1.8	ug/L			09/04/20 19:56	20
4-Methyl-2-pentanone	ND		100	8.3	ug/L			09/04/20 19:56	20
Acetone	ND		200	80	ug/L			09/04/20 19:56	20
Benzene	ND		10	1.4	ug/L			09/04/20 19:56	20
Bromobenzene	ND		10	1.2	ug/L			09/04/20 19:56	20
Bromochloromethane	ND		20	1.6	ug/L			09/04/20 19:56	20
Bromodichloromethane	ND		10	1.1	ug/L			09/04/20 19:56	20
Bromoform	ND		10	1.9	ug/L			09/04/20 19:56	20
Bromomethane	ND		40	20	ug/L			09/04/20 19:56	20
cis-1,2-Dichloroethene	ND		10	2.2	ug/L			09/04/20 19:56	20
cis-1,3-Dichloropropene	ND		10	1.9	ug/L			09/04/20 19:56	20
Carbon disulfide	ND		200	7.7	ug/L			09/04/20 19:56	20
Carbon tetrachloride	ND		10	1.1	ug/L			09/04/20 19:56	20
Chlorobenzene	ND		10	1.8	ug/L			09/04/20 19:56	20
Chloroethane	ND		10	2.3	ug/L			09/04/20 19:56	20
Chloroform	ND		10	1.2	ug/L			09/04/20 19:56	20
Chloromethane	ND		100	39	ug/L			09/04/20 19:56	20
Dibromochloromethane	ND		10	1.3	ug/L			09/04/20 19:56	20
Dibromomethane	ND		10	2.5	ug/L			09/04/20 19:56	20
Dichlorodifluoromethane	ND		20	2.0	ug/L			09/04/20 19:56	20
Ethylbenzene	ND		10	1.7	ug/L			09/04/20 19:56	20
Isopropylbenzene	ND		10	1.5	ug/L			09/04/20 19:56	20
Methylene Chloride	ND		20	0.85	ug/L			09/04/20 19:56	20
Methyl-t-Butyl Ether (MTBE)	ND		10	1.3	ug/L			09/04/20 19:56	20

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: HEW-01
Date Collected: 08/25/20 15:26
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-15
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		20	1.9	ug/L			09/04/20 19:56	20
n-Butylbenzene	ND		10	2.2	ug/L			09/04/20 19:56	20
N-Propylbenzene	ND		10	1.5	ug/L			09/04/20 19:56	20
o-Xylene	ND		10	1.7	ug/L			09/04/20 19:56	20
m,p-Xylene	ND		20	3.0	ug/L			09/04/20 19:56	20
p-Isopropyltoluene	ND		10	1.5	ug/L			09/04/20 19:56	20
sec-Butylbenzene	ND		10	1.9	ug/L			09/04/20 19:56	20
Styrene	ND		10	1.2	ug/L			09/04/20 19:56	20
trans-1,2-Dichloroethene	ND		10	1.6	ug/L			09/04/20 19:56	20
trans-1,3-Dichloropropene	ND		10	1.1	ug/L			09/04/20 19:56	20
tert-Butylbenzene	ND		10	1.6	ug/L			09/04/20 19:56	20
Tetrachloroethene	8.2	J	10	4.8	ug/L			09/04/20 19:56	20
Toluene	ND		10	1.9	ug/L			09/04/20 19:56	20
Trichloroethene	560		10	2.0	ug/L			09/04/20 19:56	20
Trichlorofluoromethane	ND		10	2.1	ug/L			09/04/20 19:56	20
Vinyl acetate	ND		100	14	ug/L			09/04/20 19:56	20
Vinyl chloride	ND		10	1.6	ug/L			09/04/20 19:56	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		80 - 128		09/04/20 19:56	20
4-Bromofluorobenzene (Surr)	85		68 - 120		09/04/20 19:56	20
Dibromofluoromethane	120		80 - 127		09/04/20 19:56	20
Toluene-d8 (Surr)	103		80 - 120		09/04/20 19:56	20

Client Sample ID: HEW-0100
Date Collected: 08/25/20 15:41
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-16
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		10	1.4	ug/L			09/04/20 20:23	20
1,1,1-Trichloroethane	ND		10	1.7	ug/L			09/04/20 20:23	20
1,1,2,2-Tetrachloroethane	ND		10	1.7	ug/L			09/04/20 20:23	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	2.5	ug/L			09/04/20 20:23	20
1,1,2-Trichloroethane	ND		10	1.4	ug/L			09/04/20 20:23	20
1,1-Dichloroethane	ND		10	1.2	ug/L			09/04/20 20:23	20
1,1-Dichloroethene	ND		10	2.1	ug/L			09/04/20 20:23	20
1,1-Dichloropropene	ND		10	1.4	ug/L			09/04/20 20:23	20
1,2,3-Trichlorobenzene	ND		10	2.4	ug/L			09/04/20 20:23	20
1,2,3-Trichloropropane	ND		20	1.5	ug/L			09/04/20 20:23	20
1,2,4-Trichlorobenzene	ND		10	1.8	ug/L			09/04/20 20:23	20
1,2,4-Trimethylbenzene	ND		10	1.4	ug/L			09/04/20 20:23	20
1,2-Dibromo-3-Chloropropane	ND		100	10	ug/L			09/04/20 20:23	20
1,2-Dibromoethane	ND		10	1.2	ug/L			09/04/20 20:23	20
1,2-Dichlorobenzene	ND		10	1.6	ug/L			09/04/20 20:23	20
1,2-Dichloroethane	ND		10	1.5	ug/L			09/04/20 20:23	20
1,2-Dichloropropane	ND		10	2.0	ug/L			09/04/20 20:23	20
1,3,5-Trimethylbenzene	ND		10	1.6	ug/L			09/04/20 20:23	20
1,3-Dichlorobenzene	ND		10	2.0	ug/L			09/04/20 20:23	20
1,3-Dichloropropane	ND		20	1.6	ug/L			09/04/20 20:23	20
1,4-Dichlorobenzene	ND		10	1.5	ug/L			09/04/20 20:23	20
2,2-Dichloropropane	ND		20	7.5	ug/L			09/04/20 20:23	20

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: HEW-0100
Date Collected: 08/25/20 15:41
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-16
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		100	9.2	ug/L			09/04/20 20:23	20
2-Chlorotoluene	ND		10	1.2	ug/L			09/04/20 20:23	20
2-Hexanone	ND		200	10	ug/L			09/04/20 20:23	20
4-Chlorotoluene	ND		10	1.8	ug/L			09/04/20 20:23	20
4-Methyl-2-pentanone	ND		100	8.3	ug/L			09/04/20 20:23	20
Acetone	ND		200	80	ug/L			09/04/20 20:23	20
Benzene	ND		10	1.4	ug/L			09/04/20 20:23	20
Bromobenzene	ND		10	1.2	ug/L			09/04/20 20:23	20
Bromochloromethane	ND		20	1.6	ug/L			09/04/20 20:23	20
Bromodichloromethane	ND		10	1.1	ug/L			09/04/20 20:23	20
Bromoform	ND		10	1.9	ug/L			09/04/20 20:23	20
Bromomethane	ND		40	20	ug/L			09/04/20 20:23	20
cis-1,2-Dichloroethene	ND		10	2.2	ug/L			09/04/20 20:23	20
cis-1,3-Dichloropropene	ND		10	1.9	ug/L			09/04/20 20:23	20
Carbon disulfide	ND		200	7.7	ug/L			09/04/20 20:23	20
Carbon tetrachloride	ND		10	1.1	ug/L			09/04/20 20:23	20
Chlorobenzene	ND		10	1.8	ug/L			09/04/20 20:23	20
Chloroethane	ND		10	2.3	ug/L			09/04/20 20:23	20
Chloroform	ND		10	1.2	ug/L			09/04/20 20:23	20
Chloromethane	ND		100	39	ug/L			09/04/20 20:23	20
Dibromochloromethane	ND		10	1.3	ug/L			09/04/20 20:23	20
Dibromomethane	ND		10	2.5	ug/L			09/04/20 20:23	20
Dichlorodifluoromethane	ND		20	2.0	ug/L			09/04/20 20:23	20
Ethylbenzene	ND		10	1.7	ug/L			09/04/20 20:23	20
Isopropylbenzene	ND		10	1.5	ug/L			09/04/20 20:23	20
Methylene Chloride	ND		20	0.85	ug/L			09/04/20 20:23	20
Methyl-t-Butyl Ether (MTBE)	ND		10	1.3	ug/L			09/04/20 20:23	20
Naphthalene	ND		20	1.9	ug/L			09/04/20 20:23	20
n-Butylbenzene	ND		10	2.2	ug/L			09/04/20 20:23	20
N-Propylbenzene	ND		10	1.5	ug/L			09/04/20 20:23	20
o-Xylene	ND		10	1.7	ug/L			09/04/20 20:23	20
m,p-Xylene	ND		20	3.0	ug/L			09/04/20 20:23	20
p-Isopropyltoluene	ND		10	1.5	ug/L			09/04/20 20:23	20
sec-Butylbenzene	ND		10	1.9	ug/L			09/04/20 20:23	20
Styrene	ND		10	1.2	ug/L			09/04/20 20:23	20
trans-1,2-Dichloroethene	ND		10	1.6	ug/L			09/04/20 20:23	20
trans-1,3-Dichloropropene	ND		10	1.1	ug/L			09/04/20 20:23	20
tert-Butylbenzene	ND		10	1.6	ug/L			09/04/20 20:23	20
Tetrachloroethene	8.1	J	10	4.8	ug/L			09/04/20 20:23	20
Toluene	ND		10	1.9	ug/L			09/04/20 20:23	20
Trichloroethene	550		10	2.0	ug/L			09/04/20 20:23	20
Trichlorofluoromethane	ND		10	2.1	ug/L			09/04/20 20:23	20
Vinyl acetate	ND		100	14	ug/L			09/04/20 20:23	20
Vinyl chloride	ND		10	1.6	ug/L			09/04/20 20:23	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		80 - 128		09/04/20 20:23	20
4-Bromofluorobenzene (Surr)	86		68 - 120		09/04/20 20:23	20
Dibromofluoromethane	116		80 - 127		09/04/20 20:23	20
Toluene-d8 (Surr)	102		80 - 120		09/04/20 20:23	20

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: UA-13D
Date Collected: 08/25/20 09:00
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-17
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.14	ug/L			09/04/20 19:28	2
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			09/04/20 19:28	2
1,1,2,2-Tetrachloroethane	ND		1.0	0.17	ug/L			09/04/20 19:28	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.25	ug/L			09/04/20 19:28	2
1,1,2-Trichloroethane	ND		1.0	0.14	ug/L			09/04/20 19:28	2
1,1-Dichloroethane	ND		1.0	0.12	ug/L			09/04/20 19:28	2
1,1-Dichloroethene	ND		1.0	0.21	ug/L			09/04/20 19:28	2
1,1-Dichloropropene	ND		1.0	0.14	ug/L			09/04/20 19:28	2
1,2,3-Trichlorobenzene	ND		1.0	0.24	ug/L			09/04/20 19:28	2
1,2,3-Trichloropropane	ND		2.0	0.15	ug/L			09/04/20 19:28	2
1,2,4-Trichlorobenzene	ND		1.0	0.18	ug/L			09/04/20 19:28	2
1,2,4-Trimethylbenzene	ND		1.0	0.14	ug/L			09/04/20 19:28	2
1,2-Dibromo-3-Chloropropane	ND		10	1.0	ug/L			09/04/20 19:28	2
1,2-Dibromoethane	ND		1.0	0.12	ug/L			09/04/20 19:28	2
1,2-Dichlorobenzene	ND		1.0	0.16	ug/L			09/04/20 19:28	2
1,2-Dichloroethane	ND		1.0	0.15	ug/L			09/04/20 19:28	2
1,2-Dichloropropane	ND		1.0	0.20	ug/L			09/04/20 19:28	2
1,3,5-Trimethylbenzene	ND		1.0	0.16	ug/L			09/04/20 19:28	2
1,3-Dichlorobenzene	ND		1.0	0.20	ug/L			09/04/20 19:28	2
1,3-Dichloropropane	ND		2.0	0.16	ug/L			09/04/20 19:28	2
1,4-Dichlorobenzene	ND		1.0	0.15	ug/L			09/04/20 19:28	2
2,2-Dichloropropane	ND		2.0	0.75	ug/L			09/04/20 19:28	2
2-Butanone	ND		10	0.92	ug/L			09/04/20 19:28	2
2-Chlorotoluene	ND		1.0	0.12	ug/L			09/04/20 19:28	2
2-Hexanone	ND		20	1.0	ug/L			09/04/20 19:28	2
4-Chlorotoluene	ND		1.0	0.18	ug/L			09/04/20 19:28	2
4-Methyl-2-pentanone	ND		10	0.83	ug/L			09/04/20 19:28	2
Acetone	ND		20	8.0	ug/L			09/04/20 19:28	2
Benzene	ND		1.0	0.14	ug/L			09/04/20 19:28	2
Bromobenzene	ND		1.0	0.12	ug/L			09/04/20 19:28	2
Bromochloromethane	ND		2.0	0.16	ug/L			09/04/20 19:28	2
Bromodichloromethane	ND		1.0	0.11	ug/L			09/04/20 19:28	2
Bromoform	ND		1.0	0.19	ug/L			09/04/20 19:28	2
Bromomethane	ND		4.0	2.0	ug/L			09/04/20 19:28	2
cis-1,2-Dichloroethene	ND		1.0	0.22	ug/L			09/04/20 19:28	2
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			09/04/20 19:28	2
Carbon disulfide	ND		20	0.77	ug/L			09/04/20 19:28	2
Carbon tetrachloride	ND		1.0	0.11	ug/L			09/04/20 19:28	2
Chlorobenzene	ND		1.0	0.18	ug/L			09/04/20 19:28	2
Chloroethane	ND		1.0	0.23	ug/L			09/04/20 19:28	2
Chloroform	ND		1.0	0.12	ug/L			09/04/20 19:28	2
Chloromethane	ND		10	3.9	ug/L			09/04/20 19:28	2
Dibromochloromethane	ND		1.0	0.13	ug/L			09/04/20 19:28	2
Dibromomethane	ND		1.0	0.25	ug/L			09/04/20 19:28	2
Dichlorodifluoromethane	ND		2.0	0.20	ug/L			09/04/20 19:28	2
Ethylbenzene	ND		1.0	0.17	ug/L			09/04/20 19:28	2
Isopropylbenzene	ND		1.0	0.15	ug/L			09/04/20 19:28	2
Methylene Chloride	ND		2.0	0.085	ug/L			09/04/20 19:28	2
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.13	ug/L			09/04/20 19:28	2

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: UA-13D

Date Collected: 08/25/20 09:00

Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-17

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		2.0	0.19	ug/L			09/04/20 19:28	2
n-Butylbenzene	ND		1.0	0.22	ug/L			09/04/20 19:28	2
N-Propylbenzene	ND		1.0	0.15	ug/L			09/04/20 19:28	2
o-Xylene	ND		1.0	0.17	ug/L			09/04/20 19:28	2
m,p-Xylene	ND		2.0	0.30	ug/L			09/04/20 19:28	2
p-Isopropyltoluene	ND		1.0	0.15	ug/L			09/04/20 19:28	2
sec-Butylbenzene	ND		1.0	0.19	ug/L			09/04/20 19:28	2
Styrene	ND		1.0	0.12	ug/L			09/04/20 19:28	2
trans-1,2-Dichloroethene	ND		1.0	0.16	ug/L			09/04/20 19:28	2
trans-1,3-Dichloropropene	ND		1.0	0.11	ug/L			09/04/20 19:28	2
tert-Butylbenzene	ND		1.0	0.16	ug/L			09/04/20 19:28	2
Tetrachloroethene	ND		1.0	0.48	ug/L			09/04/20 19:28	2
Toluene	ND		1.0	0.19	ug/L			09/04/20 19:28	2
Trichloroethene	ND		1.0	0.20	ug/L			09/04/20 19:28	2
Trichlorofluoromethane	ND		1.0	0.21	ug/L			09/04/20 19:28	2
Vinyl acetate	ND		10	1.4	ug/L			09/04/20 19:28	2
Vinyl chloride	ND		1.0	0.16	ug/L			09/04/20 19:28	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		80 - 128		09/04/20 19:28	2
4-Bromofluorobenzene (Surr)	87		68 - 120		09/04/20 19:28	2
Dibromofluoromethane	117		80 - 127		09/04/20 19:28	2
Toluene-d8 (Surr)	102		80 - 120		09/04/20 19:28	2

Client Sample ID: UB-02

Date Collected: 08/25/20 09:15

Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-18

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/05/20 02:25	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/05/20 02:25	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/05/20 02:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/05/20 02:25	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/05/20 02:25	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/05/20 02:25	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/05/20 02:25	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/05/20 02:25	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/05/20 02:25	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/05/20 02:25	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/05/20 02:25	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/05/20 02:25	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/05/20 02:25	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/05/20 02:25	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/05/20 02:25	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/05/20 02:25	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/05/20 02:25	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/05/20 02:25	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/05/20 02:25	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/05/20 02:25	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/05/20 02:25	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/05/20 02:25	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: UB-02
Date Collected: 08/25/20 09:15
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-18
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/05/20 02:25	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/05/20 02:25	1
2-Hexanone	ND		10	0.50	ug/L			09/05/20 02:25	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/05/20 02:25	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/05/20 02:25	1
Acetone	ND		10	4.0	ug/L			09/05/20 02:25	1
Benzene	ND		0.50	0.072	ug/L			09/05/20 02:25	1
Bromobenzene	ND		0.50	0.061	ug/L			09/05/20 02:25	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/05/20 02:25	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/05/20 02:25	1
Bromoform	ND		0.50	0.096	ug/L			09/05/20 02:25	1
Bromomethane	ND		2.0	0.99	ug/L			09/05/20 02:25	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/05/20 02:25	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/05/20 02:25	1
Carbon disulfide	ND		10	0.39	ug/L			09/05/20 02:25	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/05/20 02:25	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/05/20 02:25	1
Chloroethane	ND		0.50	0.12	ug/L			09/05/20 02:25	1
Chloroform	ND		0.50	0.062	ug/L			09/05/20 02:25	1
Chloromethane	ND		5.0	2.0	ug/L			09/05/20 02:25	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/05/20 02:25	1
Dibromomethane	ND		0.50	0.13	ug/L			09/05/20 02:25	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/05/20 02:25	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/05/20 02:25	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/05/20 02:25	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/05/20 02:25	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/05/20 02:25	1
Naphthalene	ND		1.0	0.097	ug/L			09/05/20 02:25	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/05/20 02:25	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/05/20 02:25	1
o-Xylene	ND		0.50	0.086	ug/L			09/05/20 02:25	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/05/20 02:25	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/05/20 02:25	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/05/20 02:25	1
Styrene	ND		0.50	0.059	ug/L			09/05/20 02:25	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/05/20 02:25	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/05/20 02:25	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/05/20 02:25	1
Tetrachloroethene	0.39	J	0.50	0.24	ug/L			09/05/20 02:25	1
Toluene	ND		0.50	0.093	ug/L			09/05/20 02:25	1
Trichloroethene	ND		0.50	0.10	ug/L			09/05/20 02:25	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/05/20 02:25	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/05/20 02:25	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/05/20 02:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		80 - 128		09/05/20 02:25	1
4-Bromofluorobenzene (Surr)	87		68 - 120		09/05/20 02:25	1
Dibromofluoromethane	107		80 - 127		09/05/20 02:25	1
Toluene-d8 (Surr)	100		80 - 120		09/05/20 02:25	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: AB-05
Date Collected: 08/25/20 09:25
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-19
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/05/20 02:52	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/05/20 02:52	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/05/20 02:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/05/20 02:52	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/05/20 02:52	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/05/20 02:52	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/05/20 02:52	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/05/20 02:52	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/05/20 02:52	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/05/20 02:52	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/05/20 02:52	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/05/20 02:52	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/05/20 02:52	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/05/20 02:52	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/05/20 02:52	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/05/20 02:52	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/05/20 02:52	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/05/20 02:52	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/05/20 02:52	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/05/20 02:52	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/05/20 02:52	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/05/20 02:52	1
2-Butanone	ND		5.0	0.46	ug/L			09/05/20 02:52	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/05/20 02:52	1
2-Hexanone	ND		10	0.50	ug/L			09/05/20 02:52	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/05/20 02:52	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/05/20 02:52	1
Acetone	ND		10	4.0	ug/L			09/05/20 02:52	1
Benzene	ND		0.50	0.072	ug/L			09/05/20 02:52	1
Bromobenzene	ND		0.50	0.061	ug/L			09/05/20 02:52	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/05/20 02:52	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/05/20 02:52	1
Bromoform	ND		0.50	0.096	ug/L			09/05/20 02:52	1
Bromomethane	ND		2.0	0.99	ug/L			09/05/20 02:52	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/05/20 02:52	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/05/20 02:52	1
Carbon disulfide	ND		10	0.39	ug/L			09/05/20 02:52	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/05/20 02:52	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/05/20 02:52	1
Chloroethane	ND		0.50	0.12	ug/L			09/05/20 02:52	1
Chloroform	ND		0.50	0.062	ug/L			09/05/20 02:52	1
Chloromethane	ND		5.0	2.0	ug/L			09/05/20 02:52	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/05/20 02:52	1
Dibromomethane	ND		0.50	0.13	ug/L			09/05/20 02:52	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/05/20 02:52	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/05/20 02:52	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/05/20 02:52	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/05/20 02:52	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/05/20 02:52	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: AB-05
Date Collected: 08/25/20 09:25
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-19
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/05/20 02:52	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/05/20 02:52	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/05/20 02:52	1
o-Xylene	ND		0.50	0.086	ug/L			09/05/20 02:52	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/05/20 02:52	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/05/20 02:52	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/05/20 02:52	1
Styrene	ND		0.50	0.059	ug/L			09/05/20 02:52	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/05/20 02:52	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/05/20 02:52	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/05/20 02:52	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/05/20 02:52	1
Toluene	ND		0.50	0.093	ug/L			09/05/20 02:52	1
Trichloroethene	ND		0.50	0.10	ug/L			09/05/20 02:52	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/05/20 02:52	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/05/20 02:52	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/05/20 02:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		80 - 128		09/05/20 02:52	1
4-Bromofluorobenzene (Surr)	85		68 - 120		09/05/20 02:52	1
Dibromofluoromethane	112		80 - 127		09/05/20 02:52	1
Toluene-d8 (Surr)	103		80 - 120		09/05/20 02:52	1

Client Sample ID: RB-082520A
Date Collected: 08/25/20 09:32
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-20
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/05/20 03:20	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/05/20 03:20	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/05/20 03:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/05/20 03:20	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/05/20 03:20	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/05/20 03:20	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/05/20 03:20	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/05/20 03:20	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/05/20 03:20	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/05/20 03:20	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/05/20 03:20	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/05/20 03:20	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/05/20 03:20	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/05/20 03:20	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/05/20 03:20	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/05/20 03:20	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/05/20 03:20	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/05/20 03:20	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/05/20 03:20	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/05/20 03:20	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/05/20 03:20	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/05/20 03:20	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: RB-082520A
Date Collected: 08/25/20 09:32
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-20
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/05/20 03:20	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/05/20 03:20	1
2-Hexanone	ND		10	0.50	ug/L			09/05/20 03:20	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/05/20 03:20	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/05/20 03:20	1
Acetone	ND		10	4.0	ug/L			09/05/20 03:20	1
Benzene	ND		0.50	0.072	ug/L			09/05/20 03:20	1
Bromobenzene	ND		0.50	0.061	ug/L			09/05/20 03:20	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/05/20 03:20	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/05/20 03:20	1
Bromoform	ND		0.50	0.096	ug/L			09/05/20 03:20	1
Bromomethane	ND		2.0	0.99	ug/L			09/05/20 03:20	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/05/20 03:20	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/05/20 03:20	1
Carbon disulfide	ND		10	0.39	ug/L			09/05/20 03:20	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/05/20 03:20	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/05/20 03:20	1
Chloroethane	ND		0.50	0.12	ug/L			09/05/20 03:20	1
Chloroform	ND		0.50	0.062	ug/L			09/05/20 03:20	1
Chloromethane	ND		5.0	2.0	ug/L			09/05/20 03:20	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/05/20 03:20	1
Dibromomethane	ND		0.50	0.13	ug/L			09/05/20 03:20	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/05/20 03:20	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/05/20 03:20	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/05/20 03:20	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/05/20 03:20	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/05/20 03:20	1
Naphthalene	ND		1.0	0.097	ug/L			09/05/20 03:20	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/05/20 03:20	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/05/20 03:20	1
o-Xylene	ND		0.50	0.086	ug/L			09/05/20 03:20	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/05/20 03:20	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/05/20 03:20	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/05/20 03:20	1
Styrene	ND		0.50	0.059	ug/L			09/05/20 03:20	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/05/20 03:20	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/05/20 03:20	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/05/20 03:20	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/05/20 03:20	1
Toluene	ND		0.50	0.093	ug/L			09/05/20 03:20	1
Trichloroethene	ND		0.50	0.10	ug/L			09/05/20 03:20	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/05/20 03:20	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/05/20 03:20	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/05/20 03:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		80 - 128		09/05/20 03:20	1
4-Bromofluorobenzene (Surr)	84		68 - 120		09/05/20 03:20	1
Dibromofluoromethane	115		80 - 127		09/05/20 03:20	1
Toluene-d8 (Surr)	103		80 - 120		09/05/20 03:20	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: LAX-01
Date Collected: 08/25/20 10:00
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-21
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/05/20 03:48	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/05/20 03:48	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/05/20 03:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/05/20 03:48	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/05/20 03:48	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/05/20 03:48	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/05/20 03:48	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/05/20 03:48	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/05/20 03:48	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/05/20 03:48	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/05/20 03:48	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/05/20 03:48	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/05/20 03:48	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/05/20 03:48	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/05/20 03:48	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/05/20 03:48	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/05/20 03:48	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/05/20 03:48	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/05/20 03:48	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/05/20 03:48	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/05/20 03:48	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/05/20 03:48	1
2-Butanone	ND		5.0	0.46	ug/L			09/05/20 03:48	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/05/20 03:48	1
2-Hexanone	ND		10	0.50	ug/L			09/05/20 03:48	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/05/20 03:48	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/05/20 03:48	1
Acetone	ND		10	4.0	ug/L			09/05/20 03:48	1
Benzene	ND		0.50	0.072	ug/L			09/05/20 03:48	1
Bromobenzene	ND		0.50	0.061	ug/L			09/05/20 03:48	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/05/20 03:48	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/05/20 03:48	1
Bromoform	ND		0.50	0.096	ug/L			09/05/20 03:48	1
Bromomethane	ND		2.0	0.99	ug/L			09/05/20 03:48	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/05/20 03:48	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/05/20 03:48	1
Carbon disulfide	ND		10	0.39	ug/L			09/05/20 03:48	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/05/20 03:48	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/05/20 03:48	1
Chloroethane	ND		0.50	0.12	ug/L			09/05/20 03:48	1
Chloroform	ND		0.50	0.062	ug/L			09/05/20 03:48	1
Chloromethane	ND		5.0	2.0	ug/L			09/05/20 03:48	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/05/20 03:48	1
Dibromomethane	ND		0.50	0.13	ug/L			09/05/20 03:48	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/05/20 03:48	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/05/20 03:48	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/05/20 03:48	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/05/20 03:48	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/05/20 03:48	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: LAX-01
Date Collected: 08/25/20 10:00
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-21
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/05/20 03:48	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/05/20 03:48	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/05/20 03:48	1
o-Xylene	ND		0.50	0.086	ug/L			09/05/20 03:48	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/05/20 03:48	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/05/20 03:48	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/05/20 03:48	1
Styrene	ND		0.50	0.059	ug/L			09/05/20 03:48	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/05/20 03:48	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/05/20 03:48	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/05/20 03:48	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/05/20 03:48	1
Toluene	ND		0.50	0.093	ug/L			09/05/20 03:48	1
Trichloroethene	ND		0.50	0.10	ug/L			09/05/20 03:48	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/05/20 03:48	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/05/20 03:48	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/05/20 03:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		80 - 128		09/05/20 03:48	1
4-Bromofluorobenzene (Surr)	84		68 - 120		09/05/20 03:48	1
Dibromofluoromethane	113		80 - 127		09/05/20 03:48	1
Toluene-d8 (Surr)	101		80 - 120		09/05/20 03:48	1

Client Sample ID: UA-11D
Date Collected: 08/25/20 10:20
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-22
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/05/20 04:16	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/05/20 04:16	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/05/20 04:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/05/20 04:16	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/05/20 04:16	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/05/20 04:16	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/05/20 04:16	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/05/20 04:16	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/05/20 04:16	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/05/20 04:16	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/05/20 04:16	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/05/20 04:16	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/05/20 04:16	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/05/20 04:16	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/05/20 04:16	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/05/20 04:16	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/05/20 04:16	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/05/20 04:16	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/05/20 04:16	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/05/20 04:16	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/05/20 04:16	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/05/20 04:16	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: UA-11D
Date Collected: 08/25/20 10:20
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-22
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/05/20 04:16	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/05/20 04:16	1
2-Hexanone	ND		10	0.50	ug/L			09/05/20 04:16	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/05/20 04:16	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/05/20 04:16	1
Acetone	ND		10	4.0	ug/L			09/05/20 04:16	1
Benzene	ND		0.50	0.072	ug/L			09/05/20 04:16	1
Bromobenzene	ND		0.50	0.061	ug/L			09/05/20 04:16	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/05/20 04:16	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/05/20 04:16	1
Bromoform	ND		0.50	0.096	ug/L			09/05/20 04:16	1
Bromomethane	ND		2.0	0.99	ug/L			09/05/20 04:16	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/05/20 04:16	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/05/20 04:16	1
Carbon disulfide	ND		10	0.39	ug/L			09/05/20 04:16	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/05/20 04:16	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/05/20 04:16	1
Chloroethane	ND		0.50	0.12	ug/L			09/05/20 04:16	1
Chloroform	ND		0.50	0.062	ug/L			09/05/20 04:16	1
Chloromethane	ND		5.0	2.0	ug/L			09/05/20 04:16	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/05/20 04:16	1
Dibromomethane	ND		0.50	0.13	ug/L			09/05/20 04:16	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/05/20 04:16	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/05/20 04:16	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/05/20 04:16	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/05/20 04:16	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/05/20 04:16	1
Naphthalene	ND		1.0	0.097	ug/L			09/05/20 04:16	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/05/20 04:16	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/05/20 04:16	1
o-Xylene	ND		0.50	0.086	ug/L			09/05/20 04:16	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/05/20 04:16	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/05/20 04:16	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/05/20 04:16	1
Styrene	ND		0.50	0.059	ug/L			09/05/20 04:16	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/05/20 04:16	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/05/20 04:16	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/05/20 04:16	1
Tetrachloroethene	0.79		0.50	0.24	ug/L			09/05/20 04:16	1
Toluene	ND		0.50	0.093	ug/L			09/05/20 04:16	1
Trichloroethene	0.56		0.50	0.10	ug/L			09/05/20 04:16	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/05/20 04:16	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/05/20 04:16	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/05/20 04:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		80 - 128		09/05/20 04:16	1
4-Bromofluorobenzene (Surr)	85		68 - 120		09/05/20 04:16	1
Dibromofluoromethane	112		80 - 127		09/05/20 04:16	1
Toluene-d8 (Surr)	102		80 - 120		09/05/20 04:16	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: S-30
Date Collected: 08/25/20 10:32
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-23
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/05/20 04:43	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/05/20 04:43	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/05/20 04:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/05/20 04:43	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/05/20 04:43	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/05/20 04:43	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/05/20 04:43	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/05/20 04:43	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/05/20 04:43	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/05/20 04:43	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/05/20 04:43	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/05/20 04:43	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/05/20 04:43	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/05/20 04:43	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/05/20 04:43	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/05/20 04:43	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/05/20 04:43	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/05/20 04:43	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/05/20 04:43	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/05/20 04:43	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/05/20 04:43	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/05/20 04:43	1
2-Butanone	ND		5.0	0.46	ug/L			09/05/20 04:43	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/05/20 04:43	1
2-Hexanone	ND		10	0.50	ug/L			09/05/20 04:43	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/05/20 04:43	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/05/20 04:43	1
Acetone	ND		10	4.0	ug/L			09/05/20 04:43	1
Benzene	ND		0.50	0.072	ug/L			09/05/20 04:43	1
Bromobenzene	ND		0.50	0.061	ug/L			09/05/20 04:43	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/05/20 04:43	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/05/20 04:43	1
Bromoform	ND		0.50	0.096	ug/L			09/05/20 04:43	1
Bromomethane	ND		2.0	0.99	ug/L			09/05/20 04:43	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/05/20 04:43	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/05/20 04:43	1
Carbon disulfide	ND		10	0.39	ug/L			09/05/20 04:43	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/05/20 04:43	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/05/20 04:43	1
Chloroethane	ND		0.50	0.12	ug/L			09/05/20 04:43	1
Chloroform	ND		0.50	0.062	ug/L			09/05/20 04:43	1
Chloromethane	ND		5.0	2.0	ug/L			09/05/20 04:43	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/05/20 04:43	1
Dibromomethane	ND		0.50	0.13	ug/L			09/05/20 04:43	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/05/20 04:43	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/05/20 04:43	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/05/20 04:43	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/05/20 04:43	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/05/20 04:43	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: S-30
Date Collected: 08/25/20 10:32
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-23
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/05/20 04:43	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/05/20 04:43	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/05/20 04:43	1
o-Xylene	ND		0.50	0.086	ug/L			09/05/20 04:43	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/05/20 04:43	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/05/20 04:43	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/05/20 04:43	1
Styrene	ND		0.50	0.059	ug/L			09/05/20 04:43	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/05/20 04:43	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/05/20 04:43	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/05/20 04:43	1
Tetrachloroethene	2.2		0.50	0.24	ug/L			09/05/20 04:43	1
Toluene	ND		0.50	0.093	ug/L			09/05/20 04:43	1
Trichloroethene	ND		0.50	0.10	ug/L			09/05/20 04:43	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/05/20 04:43	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/05/20 04:43	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/05/20 04:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		80 - 128		09/05/20 04:43	1
4-Bromofluorobenzene (Surr)	84		68 - 120		09/05/20 04:43	1
Dibromofluoromethane	113		80 - 127		09/05/20 04:43	1
Toluene-d8 (Surr)	102		80 - 120		09/05/20 04:43	1

Client Sample ID: S-3000
Date Collected: 08/25/20 10:35
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-24
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/05/20 05:11	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/05/20 05:11	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/05/20 05:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/05/20 05:11	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/05/20 05:11	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/05/20 05:11	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/05/20 05:11	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/05/20 05:11	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/05/20 05:11	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/05/20 05:11	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/05/20 05:11	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/05/20 05:11	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/05/20 05:11	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/05/20 05:11	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/05/20 05:11	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/05/20 05:11	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/05/20 05:11	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/05/20 05:11	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/05/20 05:11	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/05/20 05:11	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/05/20 05:11	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/05/20 05:11	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: S-3000
Date Collected: 08/25/20 10:35
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-24
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/05/20 05:11	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/05/20 05:11	1
2-Hexanone	ND		10	0.50	ug/L			09/05/20 05:11	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/05/20 05:11	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/05/20 05:11	1
Acetone	ND		10	4.0	ug/L			09/05/20 05:11	1
Benzene	ND		0.50	0.072	ug/L			09/05/20 05:11	1
Bromobenzene	ND		0.50	0.061	ug/L			09/05/20 05:11	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/05/20 05:11	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/05/20 05:11	1
Bromoform	ND		0.50	0.096	ug/L			09/05/20 05:11	1
Bromomethane	ND		2.0	0.99	ug/L			09/05/20 05:11	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/05/20 05:11	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/05/20 05:11	1
Carbon disulfide	ND		10	0.39	ug/L			09/05/20 05:11	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/05/20 05:11	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/05/20 05:11	1
Chloroethane	ND		0.50	0.12	ug/L			09/05/20 05:11	1
Chloroform	ND		0.50	0.062	ug/L			09/05/20 05:11	1
Chloromethane	ND		5.0	2.0	ug/L			09/05/20 05:11	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/05/20 05:11	1
Dibromomethane	ND		0.50	0.13	ug/L			09/05/20 05:11	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/05/20 05:11	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/05/20 05:11	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/05/20 05:11	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/05/20 05:11	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/05/20 05:11	1
Naphthalene	ND		1.0	0.097	ug/L			09/05/20 05:11	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/05/20 05:11	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/05/20 05:11	1
o-Xylene	ND		0.50	0.086	ug/L			09/05/20 05:11	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/05/20 05:11	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/05/20 05:11	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/05/20 05:11	1
Styrene	ND		0.50	0.059	ug/L			09/05/20 05:11	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/05/20 05:11	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/05/20 05:11	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/05/20 05:11	1
Tetrachloroethene	2.4		0.50	0.24	ug/L			09/05/20 05:11	1
Toluene	ND		0.50	0.093	ug/L			09/05/20 05:11	1
Trichloroethene	ND		0.50	0.10	ug/L			09/05/20 05:11	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/05/20 05:11	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/05/20 05:11	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/05/20 05:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 128		09/05/20 05:11	1
4-Bromofluorobenzene (Surr)	84		68 - 120		09/05/20 05:11	1
Dibromofluoromethane	112		80 - 127		09/05/20 05:11	1
Toluene-d8 (Surr)	101		80 - 120		09/05/20 05:11	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: UA-11
Date Collected: 08/25/20 10:40
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-25
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/05/20 05:39	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/05/20 05:39	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/05/20 05:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/05/20 05:39	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/05/20 05:39	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/05/20 05:39	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/05/20 05:39	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/05/20 05:39	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/05/20 05:39	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/05/20 05:39	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/05/20 05:39	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/05/20 05:39	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/05/20 05:39	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/05/20 05:39	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/05/20 05:39	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/05/20 05:39	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/05/20 05:39	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/05/20 05:39	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/05/20 05:39	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/05/20 05:39	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/05/20 05:39	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/05/20 05:39	1
2-Butanone	ND		5.0	0.46	ug/L			09/05/20 05:39	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/05/20 05:39	1
2-Hexanone	ND		10	0.50	ug/L			09/05/20 05:39	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/05/20 05:39	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/05/20 05:39	1
Acetone	ND		10	4.0	ug/L			09/05/20 05:39	1
Benzene	ND		0.50	0.072	ug/L			09/05/20 05:39	1
Bromobenzene	ND		0.50	0.061	ug/L			09/05/20 05:39	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/05/20 05:39	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/05/20 05:39	1
Bromoform	ND		0.50	0.096	ug/L			09/05/20 05:39	1
Bromomethane	ND		2.0	0.99	ug/L			09/05/20 05:39	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/05/20 05:39	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/05/20 05:39	1
Carbon disulfide	ND		10	0.39	ug/L			09/05/20 05:39	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/05/20 05:39	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/05/20 05:39	1
Chloroethane	ND		0.50	0.12	ug/L			09/05/20 05:39	1
Chloroform	ND		0.50	0.062	ug/L			09/05/20 05:39	1
Chloromethane	ND		5.0	2.0	ug/L			09/05/20 05:39	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/05/20 05:39	1
Dibromomethane	ND		0.50	0.13	ug/L			09/05/20 05:39	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/05/20 05:39	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/05/20 05:39	1
Isopropylbenzene	0.21	J	0.50	0.077	ug/L			09/05/20 05:39	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/05/20 05:39	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/05/20 05:39	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: UA-11
Date Collected: 08/25/20 10:40
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-25
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/05/20 05:39	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/05/20 05:39	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/05/20 05:39	1
o-Xylene	ND		0.50	0.086	ug/L			09/05/20 05:39	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/05/20 05:39	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/05/20 05:39	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/05/20 05:39	1
Styrene	ND		0.50	0.059	ug/L			09/05/20 05:39	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/05/20 05:39	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/05/20 05:39	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/05/20 05:39	1
Tetrachloroethene	3.7		0.50	0.24	ug/L			09/05/20 05:39	1
Toluene	ND		0.50	0.093	ug/L			09/05/20 05:39	1
Trichloroethene	1.2		0.50	0.10	ug/L			09/05/20 05:39	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/05/20 05:39	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/05/20 05:39	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/05/20 05:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		80 - 128		09/05/20 05:39	1
4-Bromofluorobenzene (Surr)	84		68 - 120		09/05/20 05:39	1
Dibromofluoromethane	118		80 - 127		09/05/20 05:39	1
Toluene-d8 (Surr)	103		80 - 120		09/05/20 05:39	1

Client Sample ID: UB-03
Date Collected: 08/25/20 10:50
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-26
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/05/20 06:07	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/05/20 06:07	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/05/20 06:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/05/20 06:07	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/05/20 06:07	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/05/20 06:07	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/05/20 06:07	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/05/20 06:07	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/05/20 06:07	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/05/20 06:07	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/05/20 06:07	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/05/20 06:07	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/05/20 06:07	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/05/20 06:07	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/05/20 06:07	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/05/20 06:07	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/05/20 06:07	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/05/20 06:07	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/05/20 06:07	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/05/20 06:07	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/05/20 06:07	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/05/20 06:07	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: UB-03
Date Collected: 08/25/20 10:50
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-26
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/05/20 06:07	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/05/20 06:07	1
2-Hexanone	ND		10	0.50	ug/L			09/05/20 06:07	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/05/20 06:07	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/05/20 06:07	1
Acetone	ND		10	4.0	ug/L			09/05/20 06:07	1
Benzene	ND		0.50	0.072	ug/L			09/05/20 06:07	1
Bromobenzene	ND		0.50	0.061	ug/L			09/05/20 06:07	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/05/20 06:07	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/05/20 06:07	1
Bromoform	ND		0.50	0.096	ug/L			09/05/20 06:07	1
Bromomethane	ND		2.0	0.99	ug/L			09/05/20 06:07	1
cis-1,2-Dichloroethene	4.4		0.50	0.11	ug/L			09/05/20 06:07	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/05/20 06:07	1
Carbon disulfide	ND		10	0.39	ug/L			09/05/20 06:07	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/05/20 06:07	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/05/20 06:07	1
Chloroethane	ND		0.50	0.12	ug/L			09/05/20 06:07	1
Chloroform	ND		0.50	0.062	ug/L			09/05/20 06:07	1
Chloromethane	ND		5.0	2.0	ug/L			09/05/20 06:07	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/05/20 06:07	1
Dibromomethane	ND		0.50	0.13	ug/L			09/05/20 06:07	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/05/20 06:07	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/05/20 06:07	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/05/20 06:07	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/05/20 06:07	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/05/20 06:07	1
Naphthalene	ND		1.0	0.097	ug/L			09/05/20 06:07	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/05/20 06:07	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/05/20 06:07	1
o-Xylene	ND		0.50	0.086	ug/L			09/05/20 06:07	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/05/20 06:07	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/05/20 06:07	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/05/20 06:07	1
Styrene	ND		0.50	0.059	ug/L			09/05/20 06:07	1
trans-1,2-Dichloroethene	7.5		0.50	0.082	ug/L			09/05/20 06:07	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/05/20 06:07	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/05/20 06:07	1
Tetrachloroethene	1.4		0.50	0.24	ug/L			09/05/20 06:07	1
Toluene	ND		0.50	0.093	ug/L			09/05/20 06:07	1
Trichloroethene	1.4		0.50	0.10	ug/L			09/05/20 06:07	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/05/20 06:07	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/05/20 06:07	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/05/20 06:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		80 - 128		09/05/20 06:07	1
4-Bromofluorobenzene (Surr)	84		68 - 120		09/05/20 06:07	1
Dibromofluoromethane	110		80 - 127		09/05/20 06:07	1
Toluene-d8 (Surr)	101		80 - 120		09/05/20 06:07	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: HEW-02
Date Collected: 08/25/20 12:25
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-27
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.28	ug/L			09/05/20 08:54	4
1,1,1-Trichloroethane	ND		2.0	0.34	ug/L			09/05/20 08:54	4
1,1,2,2-Tetrachloroethane	ND		2.0	0.35	ug/L			09/05/20 08:54	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.50	ug/L			09/05/20 08:54	4
1,1,2-Trichloroethane	ND		2.0	0.28	ug/L			09/05/20 08:54	4
1,1-Dichloroethane	ND		2.0	0.24	ug/L			09/05/20 08:54	4
1,1-Dichloroethene	ND		2.0	0.41	ug/L			09/05/20 08:54	4
1,1-Dichloropropene	ND		2.0	0.28	ug/L			09/05/20 08:54	4
1,2,3-Trichlorobenzene	ND		2.0	0.47	ug/L			09/05/20 08:54	4
1,2,3-Trichloropropane	ND		4.0	0.31	ug/L			09/05/20 08:54	4
1,2,4-Trichlorobenzene	ND		2.0	0.36	ug/L			09/05/20 08:54	4
1,2,4-Trimethylbenzene	ND		2.0	0.27	ug/L			09/05/20 08:54	4
1,2-Dibromo-3-Chloropropane	ND		20	2.1	ug/L			09/05/20 08:54	4
1,2-Dibromoethane	ND		2.0	0.24	ug/L			09/05/20 08:54	4
1,2-Dichlorobenzene	ND		2.0	0.33	ug/L			09/05/20 08:54	4
1,2-Dichloroethane	ND		2.0	0.30	ug/L			09/05/20 08:54	4
1,2-Dichloropropane	ND		2.0	0.39	ug/L			09/05/20 08:54	4
1,3,5-Trimethylbenzene	ND		2.0	0.31	ug/L			09/05/20 08:54	4
1,3-Dichlorobenzene	ND		2.0	0.39	ug/L			09/05/20 08:54	4
1,3-Dichloropropane	ND		4.0	0.33	ug/L			09/05/20 08:54	4
1,4-Dichlorobenzene	ND		2.0	0.29	ug/L			09/05/20 08:54	4
2,2-Dichloropropane	ND		4.0	1.5	ug/L			09/05/20 08:54	4
2-Butanone	ND		20	1.8	ug/L			09/05/20 08:54	4
2-Chlorotoluene	ND		2.0	0.23	ug/L			09/05/20 08:54	4
2-Hexanone	ND		40	2.0	ug/L			09/05/20 08:54	4
4-Chlorotoluene	ND		2.0	0.36	ug/L			09/05/20 08:54	4
4-Methyl-2-pentanone	ND		20	1.7	ug/L			09/05/20 08:54	4
Acetone	ND		40	16	ug/L			09/05/20 08:54	4
Benzene	ND		2.0	0.29	ug/L			09/05/20 08:54	4
Bromobenzene	ND		2.0	0.24	ug/L			09/05/20 08:54	4
Bromochloromethane	ND		4.0	0.33	ug/L			09/05/20 08:54	4
Bromodichloromethane	ND		2.0	0.21	ug/L			09/05/20 08:54	4
Bromoform	ND		2.0	0.39	ug/L			09/05/20 08:54	4
Bromomethane	ND		8.0	4.0	ug/L			09/05/20 08:54	4
cis-1,2-Dichloroethene	ND		2.0	0.43	ug/L			09/05/20 08:54	4
cis-1,3-Dichloropropene	ND		2.0	0.38	ug/L			09/05/20 08:54	4
Carbon disulfide	ND		40	1.5	ug/L			09/05/20 08:54	4
Carbon tetrachloride	ND		2.0	0.23	ug/L			09/05/20 08:54	4
Chlorobenzene	ND		2.0	0.35	ug/L			09/05/20 08:54	4
Chloroethane	ND		2.0	0.47	ug/L			09/05/20 08:54	4
Chloroform	ND		2.0	0.25	ug/L			09/05/20 08:54	4
Chloromethane	ND		20	7.8	ug/L			09/05/20 08:54	4
Dibromochloromethane	ND		2.0	0.25	ug/L			09/05/20 08:54	4
Dibromomethane	ND		2.0	0.50	ug/L			09/05/20 08:54	4
Dichlorodifluoromethane	ND		4.0	0.40	ug/L			09/05/20 08:54	4
Ethylbenzene	ND		2.0	0.35	ug/L			09/05/20 08:54	4
Isopropylbenzene	ND		2.0	0.31	ug/L			09/05/20 08:54	4
Methylene Chloride	ND		4.0	0.17	ug/L			09/05/20 08:54	4
Methyl-t-Butyl Ether (MTBE)	ND		2.0	0.27	ug/L			09/05/20 08:54	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: HEW-02
Date Collected: 08/25/20 12:25
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-27
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.0	0.39	ug/L			09/05/20 08:54	4
n-Butylbenzene	ND		2.0	0.43	ug/L			09/05/20 08:54	4
N-Propylbenzene	ND		2.0	0.31	ug/L			09/05/20 08:54	4
o-Xylene	ND		2.0	0.34	ug/L			09/05/20 08:54	4
m,p-Xylene	ND		4.0	0.59	ug/L			09/05/20 08:54	4
p-Isopropyltoluene	ND		2.0	0.29	ug/L			09/05/20 08:54	4
sec-Butylbenzene	ND		2.0	0.38	ug/L			09/05/20 08:54	4
Styrene	ND		2.0	0.23	ug/L			09/05/20 08:54	4
trans-1,2-Dichloroethene	ND		2.0	0.33	ug/L			09/05/20 08:54	4
trans-1,3-Dichloropropene	ND		2.0	0.21	ug/L			09/05/20 08:54	4
tert-Butylbenzene	ND		2.0	0.33	ug/L			09/05/20 08:54	4
Tetrachloroethene	ND		2.0	0.97	ug/L			09/05/20 08:54	4
Toluene	ND		2.0	0.37	ug/L			09/05/20 08:54	4
Trichloroethene	120		2.0	0.41	ug/L			09/05/20 08:54	4
Trichlorofluoromethane	ND		2.0	0.41	ug/L			09/05/20 08:54	4
Vinyl acetate	ND		20	2.8	ug/L			09/05/20 08:54	4
Vinyl chloride	ND		2.0	0.31	ug/L			09/05/20 08:54	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		80 - 128		09/05/20 08:54	4
4-Bromofluorobenzene (Surr)	82		68 - 120		09/05/20 08:54	4
Dibromofluoromethane	120		80 - 127		09/05/20 08:54	4
Toluene-d8 (Surr)	102		80 - 120		09/05/20 08:54	4

Client Sample ID: HEW-05
Date Collected: 08/25/20 12:40
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-28
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.28	ug/L			09/05/20 09:21	4
1,1,1-Trichloroethane	ND		2.0	0.34	ug/L			09/05/20 09:21	4
1,1,2,2-Tetrachloroethane	ND		2.0	0.35	ug/L			09/05/20 09:21	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.50	ug/L			09/05/20 09:21	4
1,1,2-Trichloroethane	ND		2.0	0.28	ug/L			09/05/20 09:21	4
1,1-Dichloroethane	ND		2.0	0.24	ug/L			09/05/20 09:21	4
1,1-Dichloroethene	ND		2.0	0.41	ug/L			09/05/20 09:21	4
1,1-Dichloropropene	ND		2.0	0.28	ug/L			09/05/20 09:21	4
1,2,3-Trichlorobenzene	ND		2.0	0.47	ug/L			09/05/20 09:21	4
1,2,3-Trichloropropane	ND		4.0	0.31	ug/L			09/05/20 09:21	4
1,2,4-Trichlorobenzene	ND		2.0	0.36	ug/L			09/05/20 09:21	4
1,2,4-Trimethylbenzene	ND		2.0	0.27	ug/L			09/05/20 09:21	4
1,2-Dibromo-3-Chloropropane	ND		20	2.1	ug/L			09/05/20 09:21	4
1,2-Dibromoethane	ND		2.0	0.24	ug/L			09/05/20 09:21	4
1,2-Dichlorobenzene	ND		2.0	0.33	ug/L			09/05/20 09:21	4
1,2-Dichloroethane	ND		2.0	0.30	ug/L			09/05/20 09:21	4
1,2-Dichloropropane	ND		2.0	0.39	ug/L			09/05/20 09:21	4
1,3,5-Trimethylbenzene	ND		2.0	0.31	ug/L			09/05/20 09:21	4
1,3-Dichlorobenzene	ND		2.0	0.39	ug/L			09/05/20 09:21	4
1,3-Dichloropropane	ND		4.0	0.33	ug/L			09/05/20 09:21	4
1,4-Dichlorobenzene	ND		2.0	0.29	ug/L			09/05/20 09:21	4
2,2-Dichloropropane	ND		4.0	1.5	ug/L			09/05/20 09:21	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: HEW-05
Date Collected: 08/25/20 12:40
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-28
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		20	1.8	ug/L			09/05/20 09:21	4
2-Chlorotoluene	ND		2.0	0.23	ug/L			09/05/20 09:21	4
2-Hexanone	ND		40	2.0	ug/L			09/05/20 09:21	4
4-Chlorotoluene	ND		2.0	0.36	ug/L			09/05/20 09:21	4
4-Methyl-2-pentanone	ND		20	1.7	ug/L			09/05/20 09:21	4
Acetone	ND		40	16	ug/L			09/05/20 09:21	4
Benzene	ND		2.0	0.29	ug/L			09/05/20 09:21	4
Bromobenzene	ND		2.0	0.24	ug/L			09/05/20 09:21	4
Bromochloromethane	ND		4.0	0.33	ug/L			09/05/20 09:21	4
Bromodichloromethane	ND		2.0	0.21	ug/L			09/05/20 09:21	4
Bromoform	ND		2.0	0.39	ug/L			09/05/20 09:21	4
Bromomethane	ND		8.0	4.0	ug/L			09/05/20 09:21	4
cis-1,2-Dichloroethene	6.1		2.0	0.43	ug/L			09/05/20 09:21	4
cis-1,3-Dichloropropene	ND		2.0	0.38	ug/L			09/05/20 09:21	4
Carbon disulfide	ND		40	1.5	ug/L			09/05/20 09:21	4
Carbon tetrachloride	ND		2.0	0.23	ug/L			09/05/20 09:21	4
Chlorobenzene	ND		2.0	0.35	ug/L			09/05/20 09:21	4
Chloroethane	ND		2.0	0.47	ug/L			09/05/20 09:21	4
Chloroform	ND		2.0	0.25	ug/L			09/05/20 09:21	4
Chloromethane	ND		20	7.8	ug/L			09/05/20 09:21	4
Dibromochloromethane	ND		2.0	0.25	ug/L			09/05/20 09:21	4
Dibromomethane	ND		2.0	0.50	ug/L			09/05/20 09:21	4
Dichlorodifluoromethane	ND		4.0	0.40	ug/L			09/05/20 09:21	4
Ethylbenzene	ND		2.0	0.35	ug/L			09/05/20 09:21	4
Isopropylbenzene	ND		2.0	0.31	ug/L			09/05/20 09:21	4
Methylene Chloride	ND		4.0	0.17	ug/L			09/05/20 09:21	4
Methyl-t-Butyl Ether (MTBE)	ND		2.0	0.27	ug/L			09/05/20 09:21	4
Naphthalene	ND		4.0	0.39	ug/L			09/05/20 09:21	4
n-Butylbenzene	ND		2.0	0.43	ug/L			09/05/20 09:21	4
N-Propylbenzene	ND		2.0	0.31	ug/L			09/05/20 09:21	4
o-Xylene	ND		2.0	0.34	ug/L			09/05/20 09:21	4
m,p-Xylene	ND		4.0	0.59	ug/L			09/05/20 09:21	4
p-Isopropyltoluene	ND		2.0	0.29	ug/L			09/05/20 09:21	4
sec-Butylbenzene	ND		2.0	0.38	ug/L			09/05/20 09:21	4
Styrene	ND		2.0	0.23	ug/L			09/05/20 09:21	4
trans-1,2-Dichloroethene	ND		2.0	0.33	ug/L			09/05/20 09:21	4
trans-1,3-Dichloropropene	ND		2.0	0.21	ug/L			09/05/20 09:21	4
tert-Butylbenzene	ND		2.0	0.33	ug/L			09/05/20 09:21	4
Tetrachloroethene	ND		2.0	0.97	ug/L			09/05/20 09:21	4
Toluene	ND		2.0	0.37	ug/L			09/05/20 09:21	4
Trichloroethene	120		2.0	0.41	ug/L			09/05/20 09:21	4
Trichlorofluoromethane	ND		2.0	0.41	ug/L			09/05/20 09:21	4
Vinyl acetate	ND		20	2.8	ug/L			09/05/20 09:21	4
Vinyl chloride	ND		2.0	0.31	ug/L			09/05/20 09:21	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		80 - 128		09/05/20 09:21	4
4-Bromofluorobenzene (Surr)	83		68 - 120		09/05/20 09:21	4
Dibromofluoromethane	113		80 - 127		09/05/20 09:21	4
Toluene-d8 (Surr)	103		80 - 120		09/05/20 09:21	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: UB-05
Date Collected: 08/25/20 13:00
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-29
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.14	ug/L			09/05/20 06:35	2
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			09/05/20 06:35	2
1,1,2,2-Tetrachloroethane	ND		1.0	0.17	ug/L			09/05/20 06:35	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.25	ug/L			09/05/20 06:35	2
1,1,2-Trichloroethane	ND		1.0	0.14	ug/L			09/05/20 06:35	2
1,1-Dichloroethane	ND		1.0	0.12	ug/L			09/05/20 06:35	2
1,1-Dichloroethene	ND		1.0	0.21	ug/L			09/05/20 06:35	2
1,1-Dichloropropene	ND		1.0	0.14	ug/L			09/05/20 06:35	2
1,2,3-Trichlorobenzene	ND		1.0	0.24	ug/L			09/05/20 06:35	2
1,2,3-Trichloropropane	ND		2.0	0.15	ug/L			09/05/20 06:35	2
1,2,4-Trichlorobenzene	ND		1.0	0.18	ug/L			09/05/20 06:35	2
1,2,4-Trimethylbenzene	ND		1.0	0.14	ug/L			09/05/20 06:35	2
1,2-Dibromo-3-Chloropropane	ND		10	1.0	ug/L			09/05/20 06:35	2
1,2-Dibromoethane	ND		1.0	0.12	ug/L			09/05/20 06:35	2
1,2-Dichlorobenzene	ND		1.0	0.16	ug/L			09/05/20 06:35	2
1,2-Dichloroethane	ND		1.0	0.15	ug/L			09/05/20 06:35	2
1,2-Dichloropropane	ND		1.0	0.20	ug/L			09/05/20 06:35	2
1,3,5-Trimethylbenzene	ND		1.0	0.16	ug/L			09/05/20 06:35	2
1,3-Dichlorobenzene	ND		1.0	0.20	ug/L			09/05/20 06:35	2
1,3-Dichloropropane	ND		2.0	0.16	ug/L			09/05/20 06:35	2
1,4-Dichlorobenzene	ND		1.0	0.15	ug/L			09/05/20 06:35	2
2,2-Dichloropropane	ND		2.0	0.75	ug/L			09/05/20 06:35	2
2-Butanone	ND		10	0.92	ug/L			09/05/20 06:35	2
2-Chlorotoluene	ND		1.0	0.12	ug/L			09/05/20 06:35	2
2-Hexanone	ND		20	1.0	ug/L			09/05/20 06:35	2
4-Chlorotoluene	ND		1.0	0.18	ug/L			09/05/20 06:35	2
4-Methyl-2-pentanone	ND		10	0.83	ug/L			09/05/20 06:35	2
Acetone	ND		20	8.0	ug/L			09/05/20 06:35	2
Benzene	ND		1.0	0.14	ug/L			09/05/20 06:35	2
Bromobenzene	ND		1.0	0.12	ug/L			09/05/20 06:35	2
Bromochloromethane	ND		2.0	0.16	ug/L			09/05/20 06:35	2
Bromodichloromethane	ND		1.0	0.11	ug/L			09/05/20 06:35	2
Bromoform	ND		1.0	0.19	ug/L			09/05/20 06:35	2
Bromomethane	ND		4.0	2.0	ug/L			09/05/20 06:35	2
cis-1,2-Dichloroethene	ND		1.0	0.22	ug/L			09/05/20 06:35	2
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			09/05/20 06:35	2
Carbon disulfide	ND		20	0.77	ug/L			09/05/20 06:35	2
Carbon tetrachloride	ND		1.0	0.11	ug/L			09/05/20 06:35	2
Chlorobenzene	ND		1.0	0.18	ug/L			09/05/20 06:35	2
Chloroethane	ND		1.0	0.23	ug/L			09/05/20 06:35	2
Chloroform	ND		1.0	0.12	ug/L			09/05/20 06:35	2
Chloromethane	ND		10	3.9	ug/L			09/05/20 06:35	2
Dibromochloromethane	ND		1.0	0.13	ug/L			09/05/20 06:35	2
Dibromomethane	ND		1.0	0.25	ug/L			09/05/20 06:35	2
Dichlorodifluoromethane	ND		2.0	0.20	ug/L			09/05/20 06:35	2
Ethylbenzene	ND		1.0	0.17	ug/L			09/05/20 06:35	2
Isopropylbenzene	ND		1.0	0.15	ug/L			09/05/20 06:35	2
Methylene Chloride	ND		2.0	0.085	ug/L			09/05/20 06:35	2
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.13	ug/L			09/05/20 06:35	2

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: UB-05
Date Collected: 08/25/20 13:00
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-29
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		2.0	0.19	ug/L			09/05/20 06:35	2
n-Butylbenzene	ND		1.0	0.22	ug/L			09/05/20 06:35	2
N-Propylbenzene	ND		1.0	0.15	ug/L			09/05/20 06:35	2
o-Xylene	ND		1.0	0.17	ug/L			09/05/20 06:35	2
m,p-Xylene	ND		2.0	0.30	ug/L			09/05/20 06:35	2
p-Isopropyltoluene	ND		1.0	0.15	ug/L			09/05/20 06:35	2
sec-Butylbenzene	ND		1.0	0.19	ug/L			09/05/20 06:35	2
Styrene	ND		1.0	0.12	ug/L			09/05/20 06:35	2
trans-1,2-Dichloroethene	ND		1.0	0.16	ug/L			09/05/20 06:35	2
trans-1,3-Dichloropropene	ND		1.0	0.11	ug/L			09/05/20 06:35	2
tert-Butylbenzene	ND		1.0	0.16	ug/L			09/05/20 06:35	2
Tetrachloroethene	ND		1.0	0.48	ug/L			09/05/20 06:35	2
Toluene	ND		1.0	0.19	ug/L			09/05/20 06:35	2
Trichloroethene	ND		1.0	0.20	ug/L			09/05/20 06:35	2
Trichlorofluoromethane	ND		1.0	0.21	ug/L			09/05/20 06:35	2
Vinyl acetate	ND		10	1.4	ug/L			09/05/20 06:35	2
Vinyl chloride	ND		1.0	0.16	ug/L			09/05/20 06:35	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		80 - 128		09/05/20 06:35	2
4-Bromofluorobenzene (Surr)	87		68 - 120		09/05/20 06:35	2
Dibromofluoromethane	115		80 - 127		09/05/20 06:35	2
Toluene-d8 (Surr)	102		80 - 120		09/05/20 06:35	2

Client Sample ID: AB-07
Date Collected: 08/25/20 13:20
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-30
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/05/20 07:02	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/05/20 07:02	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/05/20 07:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/05/20 07:02	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/05/20 07:02	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/05/20 07:02	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/05/20 07:02	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/05/20 07:02	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/05/20 07:02	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/05/20 07:02	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/05/20 07:02	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/05/20 07:02	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/05/20 07:02	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/05/20 07:02	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/05/20 07:02	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/05/20 07:02	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/05/20 07:02	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/05/20 07:02	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/05/20 07:02	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/05/20 07:02	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/05/20 07:02	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/05/20 07:02	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: AB-07
Date Collected: 08/25/20 13:20
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-30
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/05/20 07:02	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/05/20 07:02	1
2-Hexanone	ND		10	0.50	ug/L			09/05/20 07:02	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/05/20 07:02	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/05/20 07:02	1
Acetone	ND		10	4.0	ug/L			09/05/20 07:02	1
Benzene	ND		0.50	0.072	ug/L			09/05/20 07:02	1
Bromobenzene	ND		0.50	0.061	ug/L			09/05/20 07:02	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/05/20 07:02	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/05/20 07:02	1
Bromoform	ND		0.50	0.096	ug/L			09/05/20 07:02	1
Bromomethane	ND		2.0	0.99	ug/L			09/05/20 07:02	1
cis-1,2-Dichloroethene	3.5		0.50	0.11	ug/L			09/05/20 07:02	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/05/20 07:02	1
Carbon disulfide	ND		10	0.39	ug/L			09/05/20 07:02	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/05/20 07:02	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/05/20 07:02	1
Chloroethane	ND		0.50	0.12	ug/L			09/05/20 07:02	1
Chloroform	ND		0.50	0.062	ug/L			09/05/20 07:02	1
Chloromethane	ND		5.0	2.0	ug/L			09/05/20 07:02	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/05/20 07:02	1
Dibromomethane	ND		0.50	0.13	ug/L			09/05/20 07:02	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/05/20 07:02	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/05/20 07:02	1
Isopropylbenzene	0.45	J	0.50	0.077	ug/L			09/05/20 07:02	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/05/20 07:02	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/05/20 07:02	1
Naphthalene	ND		1.0	0.097	ug/L			09/05/20 07:02	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/05/20 07:02	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/05/20 07:02	1
o-Xylene	ND		0.50	0.086	ug/L			09/05/20 07:02	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/05/20 07:02	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/05/20 07:02	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/05/20 07:02	1
Styrene	ND		0.50	0.059	ug/L			09/05/20 07:02	1
trans-1,2-Dichloroethene	3.4		0.50	0.082	ug/L			09/05/20 07:02	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/05/20 07:02	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/05/20 07:02	1
Tetrachloroethene	8.1		0.50	0.24	ug/L			09/05/20 07:02	1
Toluene	ND		0.50	0.093	ug/L			09/05/20 07:02	1
Trichloroethene	3.9		0.50	0.10	ug/L			09/05/20 07:02	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/05/20 07:02	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/05/20 07:02	1
Vinyl chloride	0.58		0.50	0.078	ug/L			09/05/20 07:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		80 - 128		09/05/20 07:02	1
4-Bromofluorobenzene (Surr)	86		68 - 120		09/05/20 07:02	1
Dibromofluoromethane	113		80 - 127		09/05/20 07:02	1
Toluene-d8 (Surr)	101		80 - 120		09/05/20 07:02	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: UA-14D
Date Collected: 08/25/20 13:30
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-31
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.14	ug/L			09/05/20 19:43	2
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			09/05/20 19:43	2
1,1,2,2-Tetrachloroethane	ND		1.0	0.17	ug/L			09/05/20 19:43	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.25	ug/L			09/05/20 19:43	2
1,1,2-Trichloroethane	ND		1.0	0.14	ug/L			09/05/20 19:43	2
1,1-Dichloroethane	ND		1.0	0.12	ug/L			09/05/20 19:43	2
1,1-Dichloroethene	ND		1.0	0.21	ug/L			09/05/20 19:43	2
1,1-Dichloropropene	ND		1.0	0.14	ug/L			09/05/20 19:43	2
1,2,3-Trichlorobenzene	ND		1.0	0.24	ug/L			09/05/20 19:43	2
1,2,3-Trichloropropane	ND		2.0	0.15	ug/L			09/05/20 19:43	2
1,2,4-Trichlorobenzene	ND		1.0	0.18	ug/L			09/05/20 19:43	2
1,2,4-Trimethylbenzene	ND		1.0	0.14	ug/L			09/05/20 19:43	2
1,2-Dibromo-3-Chloropropane	ND		10	1.0	ug/L			09/05/20 19:43	2
1,2-Dibromoethane	ND		1.0	0.12	ug/L			09/05/20 19:43	2
1,2-Dichlorobenzene	ND		1.0	0.16	ug/L			09/05/20 19:43	2
1,2-Dichloroethane	ND		1.0	0.15	ug/L			09/05/20 19:43	2
1,2-Dichloropropane	ND		1.0	0.20	ug/L			09/05/20 19:43	2
1,3,5-Trimethylbenzene	ND		1.0	0.16	ug/L			09/05/20 19:43	2
1,3-Dichlorobenzene	ND		1.0	0.20	ug/L			09/05/20 19:43	2
1,3-Dichloropropane	ND		2.0	0.16	ug/L			09/05/20 19:43	2
1,4-Dichlorobenzene	ND		1.0	0.15	ug/L			09/05/20 19:43	2
2,2-Dichloropropane	ND		2.0	0.75	ug/L			09/05/20 19:43	2
2-Butanone	ND		10	0.92	ug/L			09/05/20 19:43	2
2-Chlorotoluene	ND		1.0	0.12	ug/L			09/05/20 19:43	2
2-Hexanone	ND		20	1.0	ug/L			09/05/20 19:43	2
4-Chlorotoluene	ND		1.0	0.18	ug/L			09/05/20 19:43	2
4-Methyl-2-pentanone	ND		10	0.83	ug/L			09/05/20 19:43	2
Acetone	ND		20	8.0	ug/L			09/05/20 19:43	2
Benzene	ND		1.0	0.14	ug/L			09/05/20 19:43	2
Bromobenzene	ND		1.0	0.12	ug/L			09/05/20 19:43	2
Bromochloromethane	ND		2.0	0.16	ug/L			09/05/20 19:43	2
Bromodichloromethane	ND		1.0	0.11	ug/L			09/05/20 19:43	2
Bromoform	ND		1.0	0.19	ug/L			09/05/20 19:43	2
Bromomethane	ND		4.0	2.0	ug/L			09/05/20 19:43	2
cis-1,2-Dichloroethene	ND		1.0	0.22	ug/L			09/05/20 19:43	2
cis-1,3-Dichloropropene	ND		1.0	0.19	ug/L			09/05/20 19:43	2
Carbon disulfide	ND		20	0.77	ug/L			09/05/20 19:43	2
Carbon tetrachloride	ND		1.0	0.11	ug/L			09/05/20 19:43	2
Chlorobenzene	ND		1.0	0.18	ug/L			09/05/20 19:43	2
Chloroethane	ND		1.0	0.23	ug/L			09/05/20 19:43	2
Chloroform	ND		1.0	0.12	ug/L			09/05/20 19:43	2
Chloromethane	ND		10	3.9	ug/L			09/05/20 19:43	2
Dibromochloromethane	ND		1.0	0.13	ug/L			09/05/20 19:43	2
Dibromomethane	ND		1.0	0.25	ug/L			09/05/20 19:43	2
Dichlorodifluoromethane	ND		2.0	0.20	ug/L			09/05/20 19:43	2
Ethylbenzene	ND		1.0	0.17	ug/L			09/05/20 19:43	2
Isopropylbenzene	ND		1.0	0.15	ug/L			09/05/20 19:43	2
Methylene Chloride	ND		2.0	0.085	ug/L			09/05/20 19:43	2
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.13	ug/L			09/05/20 19:43	2

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: UA-14D
Date Collected: 08/25/20 13:30
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-31
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		2.0	0.19	ug/L			09/05/20 19:43	2
n-Butylbenzene	ND		1.0	0.22	ug/L			09/05/20 19:43	2
N-Propylbenzene	ND		1.0	0.15	ug/L			09/05/20 19:43	2
o-Xylene	ND		1.0	0.17	ug/L			09/05/20 19:43	2
m,p-Xylene	ND		2.0	0.30	ug/L			09/05/20 19:43	2
p-Isopropyltoluene	ND		1.0	0.15	ug/L			09/05/20 19:43	2
sec-Butylbenzene	ND		1.0	0.19	ug/L			09/05/20 19:43	2
Styrene	ND		1.0	0.12	ug/L			09/05/20 19:43	2
trans-1,2-Dichloroethene	ND		1.0	0.16	ug/L			09/05/20 19:43	2
trans-1,3-Dichloropropene	ND		1.0	0.11	ug/L			09/05/20 19:43	2
tert-Butylbenzene	ND		1.0	0.16	ug/L			09/05/20 19:43	2
Tetrachloroethene	33		1.0	0.48	ug/L			09/05/20 19:43	2
Toluene	ND		1.0	0.19	ug/L			09/05/20 19:43	2
Trichloroethene	0.87	J	1.0	0.20	ug/L			09/05/20 19:43	2
Trichlorofluoromethane	ND		1.0	0.21	ug/L			09/05/20 19:43	2
Vinyl acetate	ND		10	1.4	ug/L			09/05/20 19:43	2
Vinyl chloride	ND		1.0	0.16	ug/L			09/05/20 19:43	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 128		09/05/20 19:43	2
4-Bromofluorobenzene (Surr)	94		68 - 120		09/05/20 19:43	2
Dibromofluoromethane	101		80 - 127		09/05/20 19:43	2
Toluene-d8 (Surr)	99		80 - 120		09/05/20 19:43	2

Client Sample ID: RB-082520B
Date Collected: 08/25/20 13:40
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-32
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/05/20 07:30	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/05/20 07:30	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/05/20 07:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/05/20 07:30	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/05/20 07:30	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/05/20 07:30	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/05/20 07:30	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/05/20 07:30	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/05/20 07:30	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/05/20 07:30	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/05/20 07:30	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/05/20 07:30	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/05/20 07:30	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/05/20 07:30	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/05/20 07:30	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/05/20 07:30	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/05/20 07:30	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/05/20 07:30	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/05/20 07:30	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/05/20 07:30	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/05/20 07:30	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/05/20 07:30	1

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Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: RB-082520B
Date Collected: 08/25/20 13:40
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-32
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/05/20 07:30	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/05/20 07:30	1
2-Hexanone	ND		10	0.50	ug/L			09/05/20 07:30	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/05/20 07:30	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/05/20 07:30	1
Acetone	ND		10	4.0	ug/L			09/05/20 07:30	1
Benzene	ND		0.50	0.072	ug/L			09/05/20 07:30	1
Bromobenzene	ND		0.50	0.061	ug/L			09/05/20 07:30	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/05/20 07:30	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/05/20 07:30	1
Bromoform	ND		0.50	0.096	ug/L			09/05/20 07:30	1
Bromomethane	ND		2.0	0.99	ug/L			09/05/20 07:30	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/05/20 07:30	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/05/20 07:30	1
Carbon disulfide	ND		10	0.39	ug/L			09/05/20 07:30	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/05/20 07:30	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/05/20 07:30	1
Chloroethane	ND		0.50	0.12	ug/L			09/05/20 07:30	1
Chloroform	ND		0.50	0.062	ug/L			09/05/20 07:30	1
Chloromethane	ND		5.0	2.0	ug/L			09/05/20 07:30	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/05/20 07:30	1
Dibromomethane	ND		0.50	0.13	ug/L			09/05/20 07:30	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/05/20 07:30	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/05/20 07:30	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/05/20 07:30	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/05/20 07:30	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/05/20 07:30	1
Naphthalene	ND		1.0	0.097	ug/L			09/05/20 07:30	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/05/20 07:30	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/05/20 07:30	1
o-Xylene	ND		0.50	0.086	ug/L			09/05/20 07:30	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/05/20 07:30	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/05/20 07:30	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/05/20 07:30	1
Styrene	ND		0.50	0.059	ug/L			09/05/20 07:30	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/05/20 07:30	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/05/20 07:30	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/05/20 07:30	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/05/20 07:30	1
Toluene	ND		0.50	0.093	ug/L			09/05/20 07:30	1
Trichloroethene	ND		0.50	0.10	ug/L			09/05/20 07:30	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/05/20 07:30	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/05/20 07:30	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/05/20 07:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		80 - 128		09/05/20 07:30	1
4-Bromofluorobenzene (Surr)	84		68 - 120		09/05/20 07:30	1
Dibromofluoromethane	117		80 - 127		09/05/20 07:30	1
Toluene-d8 (Surr)	103		80 - 120		09/05/20 07:30	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: UA-16D
Date Collected: 08/25/20 14:37
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-33
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/05/20 07:58	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/05/20 07:58	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/05/20 07:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/05/20 07:58	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/05/20 07:58	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/05/20 07:58	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/05/20 07:58	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/05/20 07:58	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/05/20 07:58	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/05/20 07:58	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/05/20 07:58	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/05/20 07:58	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/05/20 07:58	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/05/20 07:58	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/05/20 07:58	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/05/20 07:58	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/05/20 07:58	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/05/20 07:58	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/05/20 07:58	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/05/20 07:58	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/05/20 07:58	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/05/20 07:58	1
2-Butanone	ND		5.0	0.46	ug/L			09/05/20 07:58	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/05/20 07:58	1
2-Hexanone	ND		10	0.50	ug/L			09/05/20 07:58	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/05/20 07:58	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/05/20 07:58	1
Acetone	ND		10	4.0	ug/L			09/05/20 07:58	1
Benzene	ND		0.50	0.072	ug/L			09/05/20 07:58	1
Bromobenzene	ND		0.50	0.061	ug/L			09/05/20 07:58	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/05/20 07:58	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/05/20 07:58	1
Bromoform	ND		0.50	0.096	ug/L			09/05/20 07:58	1
Bromomethane	ND		2.0	0.99	ug/L			09/05/20 07:58	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/05/20 07:58	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/05/20 07:58	1
Carbon disulfide	ND		10	0.39	ug/L			09/05/20 07:58	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/05/20 07:58	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/05/20 07:58	1
Chloroethane	ND		0.50	0.12	ug/L			09/05/20 07:58	1
Chloroform	ND		0.50	0.062	ug/L			09/05/20 07:58	1
Chloromethane	ND		5.0	2.0	ug/L			09/05/20 07:58	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/05/20 07:58	1
Dibromomethane	ND		0.50	0.13	ug/L			09/05/20 07:58	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/05/20 07:58	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/05/20 07:58	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/05/20 07:58	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/05/20 07:58	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/05/20 07:58	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: UA-16D

Date Collected: 08/25/20 14:37

Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-33

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/05/20 07:58	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/05/20 07:58	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/05/20 07:58	1
o-Xylene	ND		0.50	0.086	ug/L			09/05/20 07:58	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/05/20 07:58	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/05/20 07:58	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/05/20 07:58	1
Styrene	ND		0.50	0.059	ug/L			09/05/20 07:58	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/05/20 07:58	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/05/20 07:58	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/05/20 07:58	1
Tetrachloroethene	0.59		0.50	0.24	ug/L			09/05/20 07:58	1
Toluene	ND		0.50	0.093	ug/L			09/05/20 07:58	1
Trichloroethene	ND		0.50	0.10	ug/L			09/05/20 07:58	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/05/20 07:58	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/05/20 07:58	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/05/20 07:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 128		09/05/20 07:58	1
4-Bromofluorobenzene (Surr)	81		68 - 120		09/05/20 07:58	1
Dibromofluoromethane	115		80 - 127		09/05/20 07:58	1
Toluene-d8 (Surr)	103		80 - 120		09/05/20 07:58	1

Client Sample ID: UA-17D

Date Collected: 08/25/20 14:45

Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-34

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/05/20 08:26	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/05/20 08:26	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/05/20 08:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/05/20 08:26	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/05/20 08:26	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/05/20 08:26	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/05/20 08:26	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/05/20 08:26	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/05/20 08:26	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/05/20 08:26	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/05/20 08:26	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/05/20 08:26	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/05/20 08:26	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/05/20 08:26	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/05/20 08:26	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/05/20 08:26	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/05/20 08:26	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/05/20 08:26	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/05/20 08:26	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/05/20 08:26	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/05/20 08:26	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/05/20 08:26	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: UA-17D
Date Collected: 08/25/20 14:45
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-34
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/05/20 08:26	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/05/20 08:26	1
2-Hexanone	ND		10	0.50	ug/L			09/05/20 08:26	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/05/20 08:26	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/05/20 08:26	1
Acetone	ND		10	4.0	ug/L			09/05/20 08:26	1
Benzene	ND		0.50	0.072	ug/L			09/05/20 08:26	1
Bromobenzene	ND		0.50	0.061	ug/L			09/05/20 08:26	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/05/20 08:26	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/05/20 08:26	1
Bromoform	ND		0.50	0.096	ug/L			09/05/20 08:26	1
Bromomethane	ND		2.0	0.99	ug/L			09/05/20 08:26	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/05/20 08:26	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/05/20 08:26	1
Carbon disulfide	ND		10	0.39	ug/L			09/05/20 08:26	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/05/20 08:26	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/05/20 08:26	1
Chloroethane	ND		0.50	0.12	ug/L			09/05/20 08:26	1
Chloroform	ND		0.50	0.062	ug/L			09/05/20 08:26	1
Chloromethane	ND		5.0	2.0	ug/L			09/05/20 08:26	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/05/20 08:26	1
Dibromomethane	ND		0.50	0.13	ug/L			09/05/20 08:26	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/05/20 08:26	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/05/20 08:26	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/05/20 08:26	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/05/20 08:26	1
Methyl-t-Butyl Ether (MTBE)	1.3		0.50	0.067	ug/L			09/05/20 08:26	1
Naphthalene	ND		1.0	0.097	ug/L			09/05/20 08:26	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/05/20 08:26	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/05/20 08:26	1
o-Xylene	ND		0.50	0.086	ug/L			09/05/20 08:26	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/05/20 08:26	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/05/20 08:26	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/05/20 08:26	1
Styrene	ND		0.50	0.059	ug/L			09/05/20 08:26	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/05/20 08:26	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/05/20 08:26	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/05/20 08:26	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/05/20 08:26	1
Toluene	ND		0.50	0.093	ug/L			09/05/20 08:26	1
Trichloroethene	ND		0.50	0.10	ug/L			09/05/20 08:26	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/05/20 08:26	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/05/20 08:26	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/05/20 08:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		80 - 128		09/05/20 08:26	1
4-Bromofluorobenzene (Surr)	84		68 - 120		09/05/20 08:26	1
Dibromofluoromethane	119		80 - 127		09/05/20 08:26	1
Toluene-d8 (Surr)	103		80 - 120		09/05/20 08:26	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: AB-08
Date Collected: 08/25/20 14:58
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-35
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/05/20 18:49	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/05/20 18:49	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/05/20 18:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/05/20 18:49	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/05/20 18:49	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/05/20 18:49	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/05/20 18:49	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/05/20 18:49	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/05/20 18:49	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/05/20 18:49	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/05/20 18:49	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/05/20 18:49	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/05/20 18:49	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/05/20 18:49	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/05/20 18:49	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/05/20 18:49	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/05/20 18:49	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/05/20 18:49	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/05/20 18:49	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/05/20 18:49	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/05/20 18:49	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/05/20 18:49	1
2-Butanone	ND		5.0	0.46	ug/L			09/05/20 18:49	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/05/20 18:49	1
2-Hexanone	ND		10	0.50	ug/L			09/05/20 18:49	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/05/20 18:49	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/05/20 18:49	1
Acetone	ND		10	4.0	ug/L			09/05/20 18:49	1
Benzene	ND		0.50	0.072	ug/L			09/05/20 18:49	1
Bromobenzene	ND		0.50	0.061	ug/L			09/05/20 18:49	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/05/20 18:49	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/05/20 18:49	1
Bromoform	ND		0.50	0.096	ug/L			09/05/20 18:49	1
Bromomethane	ND		2.0	0.99	ug/L			09/05/20 18:49	1
cis-1,2-Dichloroethene	2.7		0.50	0.11	ug/L			09/05/20 18:49	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/05/20 18:49	1
Carbon disulfide	ND		10	0.39	ug/L			09/05/20 18:49	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/05/20 18:49	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/05/20 18:49	1
Chloroethane	ND		0.50	0.12	ug/L			09/05/20 18:49	1
Chloroform	ND		0.50	0.062	ug/L			09/05/20 18:49	1
Chloromethane	ND		5.0	2.0	ug/L			09/05/20 18:49	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/05/20 18:49	1
Dibromomethane	ND		0.50	0.13	ug/L			09/05/20 18:49	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/05/20 18:49	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/05/20 18:49	1
Isopropylbenzene	0.14 J		0.50	0.077	ug/L			09/05/20 18:49	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/05/20 18:49	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/05/20 18:49	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: AB-08
Date Collected: 08/25/20 14:58
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-35
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/05/20 18:49	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/05/20 18:49	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/05/20 18:49	1
o-Xylene	ND		0.50	0.086	ug/L			09/05/20 18:49	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/05/20 18:49	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/05/20 18:49	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/05/20 18:49	1
Styrene	ND		0.50	0.059	ug/L			09/05/20 18:49	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/05/20 18:49	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/05/20 18:49	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/05/20 18:49	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/05/20 18:49	1
Toluene	ND		0.50	0.093	ug/L			09/05/20 18:49	1
Trichloroethene	0.29	J	0.50	0.10	ug/L			09/05/20 18:49	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/05/20 18:49	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/05/20 18:49	1
Vinyl chloride	0.46	J	0.50	0.078	ug/L			09/05/20 18:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 128		09/05/20 18:49	1
4-Bromofluorobenzene (Surr)	93		68 - 120		09/05/20 18:49	1
Dibromofluoromethane	99		80 - 127		09/05/20 18:49	1
Toluene-d8 (Surr)	99		80 - 120		09/05/20 18:49	1

Client Sample ID: UB-06
Date Collected: 08/25/20 15:10
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-36
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/05/20 19:16	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/05/20 19:16	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/05/20 19:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/05/20 19:16	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/05/20 19:16	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/05/20 19:16	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/05/20 19:16	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/05/20 19:16	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/05/20 19:16	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/05/20 19:16	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/05/20 19:16	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/05/20 19:16	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/05/20 19:16	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/05/20 19:16	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/05/20 19:16	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/05/20 19:16	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/05/20 19:16	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/05/20 19:16	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/05/20 19:16	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/05/20 19:16	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/05/20 19:16	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/05/20 19:16	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: UB-06
Date Collected: 08/25/20 15:10
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-36
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/05/20 19:16	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/05/20 19:16	1
2-Hexanone	ND		10	0.50	ug/L			09/05/20 19:16	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/05/20 19:16	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/05/20 19:16	1
Acetone	ND		10	4.0	ug/L			09/05/20 19:16	1
Benzene	ND		0.50	0.072	ug/L			09/05/20 19:16	1
Bromobenzene	ND		0.50	0.061	ug/L			09/05/20 19:16	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/05/20 19:16	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/05/20 19:16	1
Bromoform	ND		0.50	0.096	ug/L			09/05/20 19:16	1
Bromomethane	ND		2.0	0.99	ug/L			09/05/20 19:16	1
cis-1,2-Dichloroethene	0.12	J	0.50	0.11	ug/L			09/05/20 19:16	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/05/20 19:16	1
Carbon disulfide	ND		10	0.39	ug/L			09/05/20 19:16	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/05/20 19:16	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/05/20 19:16	1
Chloroethane	ND		0.50	0.12	ug/L			09/05/20 19:16	1
Chloroform	ND		0.50	0.062	ug/L			09/05/20 19:16	1
Chloromethane	ND		5.0	2.0	ug/L			09/05/20 19:16	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/05/20 19:16	1
Dibromomethane	ND		0.50	0.13	ug/L			09/05/20 19:16	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/05/20 19:16	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/05/20 19:16	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/05/20 19:16	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/05/20 19:16	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/05/20 19:16	1
Naphthalene	ND		1.0	0.097	ug/L			09/05/20 19:16	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/05/20 19:16	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/05/20 19:16	1
o-Xylene	ND		0.50	0.086	ug/L			09/05/20 19:16	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/05/20 19:16	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/05/20 19:16	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/05/20 19:16	1
Styrene	ND		0.50	0.059	ug/L			09/05/20 19:16	1
trans-1,2-Dichloroethene	0.15	J	0.50	0.082	ug/L			09/05/20 19:16	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/05/20 19:16	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/05/20 19:16	1
Tetrachloroethene	0.29	J	0.50	0.24	ug/L			09/05/20 19:16	1
Toluene	ND		0.50	0.093	ug/L			09/05/20 19:16	1
Trichloroethene	3.9		0.50	0.10	ug/L			09/05/20 19:16	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/05/20 19:16	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/05/20 19:16	1
Vinyl chloride	0.13	J	0.50	0.078	ug/L			09/05/20 19:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 128		09/05/20 19:16	1
4-Bromofluorobenzene (Surr)	93		68 - 120		09/05/20 19:16	1
Dibromofluoromethane	100		80 - 127		09/05/20 19:16	1
Toluene-d8 (Surr)	100		80 - 120		09/05/20 19:16	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: UB-0600
Date Collected: 08/25/20 15:15
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-37
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 08:15	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 08:15	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 08:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	0.50	0.13	ug/L			09/06/20 08:15	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 08:15	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 08:15	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/20 08:15	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 08:15	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 08:15	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 08:15	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 08:15	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 08:15	1
1,2-Dibromo-3-Chloropropane	ND	*	5.0	0.51	ug/L			09/06/20 08:15	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 08:15	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 08:15	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 08:15	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 08:15	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 08:15	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 08:15	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 08:15	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 08:15	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 08:15	1
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 08:15	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 08:15	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 08:15	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 08:15	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 08:15	1
Acetone	ND		10	4.0	ug/L			09/06/20 08:15	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 08:15	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 08:15	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 08:15	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 08:15	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 08:15	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 08:15	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 08:15	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 08:15	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 08:15	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 08:15	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 08:15	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 08:15	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 08:15	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 08:15	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 08:15	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 08:15	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 08:15	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 08:15	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 08:15	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 08:15	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 08:15	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: UB-0600
Date Collected: 08/25/20 15:15
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-37
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 08:15	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 08:15	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 08:15	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 08:15	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 08:15	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 08:15	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 08:15	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 08:15	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 08:15	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 08:15	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 08:15	1
Tetrachloroethene	0.33	J	0.50	0.24	ug/L			09/06/20 08:15	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 08:15	1
Trichloroethene	3.7		0.50	0.10	ug/L			09/06/20 08:15	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 08:15	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 08:15	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 08:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 128		09/06/20 08:15	1
4-Bromofluorobenzene (Surr)	93		68 - 120		09/06/20 08:15	1
Dibromofluoromethane	99		80 - 127		09/06/20 08:15	1
Toluene-d8 (Surr)	99		80 - 120		09/06/20 08:15	1

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: UAX-01
Date Collected: 08/25/20 10:40
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L		08/26/20 15:00	08/27/20 17:14	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	48		15 - 150				08/26/20 15:00	08/27/20 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	75		46 - 128				08/26/20 15:00	08/27/20 17:14	1

Client Sample ID: HEW-01
Date Collected: 08/25/20 15:26
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-15
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.6		0.50	0.18	ug/L		08/26/20 15:00	08/27/20 17:29	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	53		15 - 150				08/26/20 15:00	08/27/20 17:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	91		46 - 128				08/26/20 15:00	08/27/20 17:29	1

Client Sample ID: HEW-0100
Date Collected: 08/25/20 15:41
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-16
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.5		0.50	0.18	ug/L		08/26/20 15:00	08/27/20 17:45	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	50		15 - 150				08/26/20 15:00	08/27/20 17:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	81		46 - 128				08/26/20 15:00	08/27/20 17:45	1

Client Sample ID: LAX-01
Date Collected: 08/25/20 10:00
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-21
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L		08/26/20 15:00	08/27/20 18:01	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	47		15 - 150				08/26/20 15:00	08/27/20 18:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	79		46 - 128				08/26/20 15:00	08/27/20 18:01	1

Client Sample ID: HEW-02
Date Collected: 08/25/20 12:25
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-27
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.55		0.50	0.18	ug/L		08/26/20 15:00	08/27/20 18:17	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	47		15 - 150				08/26/20 15:00	08/27/20 18:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	80		46 - 128				08/26/20 15:00	08/27/20 18:17	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36781-1

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

Client Sample ID: HEW-05
Date Collected: 08/25/20 12:40
Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-28
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L		08/26/20 15:00	08/27/20 18:33	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	49		15 - 150				08/26/20 15:00	08/27/20 18:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	84		46 - 128				08/26/20 15:00	08/27/20 18:33	1

Surrogate Summary

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

Job ID: 570-36781-1

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 (80-128)	BFB (68-120)	DBFM (80-127)	TOL (80-120)
570-36781-1	TB-082520	114	89	114	101
570-36781-2	S-27	119	87	114	101
570-36781-3	S-18	118	87	118	104
570-36781-4	S-21	121	89	115	99
570-36781-5	UA-4D	116	87	117	101
570-36781-6	UB-01	122	89	117	101
570-36781-7	UAX-01	121	87	114	102
570-36781-8	S-04	122	91	117	102
570-36781-9	S-02	117	85	112	103
570-36781-10	S-03	116	89	115	103
570-36781-11	S-32	122	86	116	104
570-36781-12	S-15	118	84	115	101
570-36781-13	RB-082520C	116	87	116	101
570-36781-14	AB-03	116	87	117	100
570-36781-15	HEW-01	121	85	120	103
570-36781-16	HEW-0100	121	86	116	102
570-36781-17	UA-13D	122	87	117	102
570-36781-18	UB-02	114	87	107	100
570-36781-19	AB-05	110	85	112	103
570-36781-20	RB-082520A	115	84	115	103
570-36781-21	LAX-01	118	84	113	101
570-36781-22	UA-11D	111	85	112	102
570-36781-23	S-30	119	84	113	102
570-36781-24	S-3000	116	84	112	101
570-36781-25	UA-11	115	84	118	103
570-36781-26	UB-03	112	84	110	101
570-36781-27	HEW-02	119	82	120	102
570-36781-28	HEW-05	115	83	113	103
570-36781-29	UB-05	114	87	115	102
570-36781-30	AB-07	114	86	113	101
570-36781-31	UA-14D	101	94	101	99
570-36781-32	RB-082520B	117	84	117	103
570-36781-33	UA-16D	116	81	115	103
570-36781-34	UA-17D	119	84	119	103
570-36781-35	AB-08	99	93	99	99
570-36781-36	UB-06	99	93	100	100
570-36781-37	UB-0600	98	93	99	99
LCS 570-92518/4	Lab Control Sample	102	104	104	101
LCS 570-92607/3	Lab Control Sample	101	99	101	100
LCS 570-92723/3	Lab Control Sample	99	99	98	101
LCS 570-92788/3	Lab Control Sample	99	95	100	99
LCSD 570-92518/5	Lab Control Sample Dup	102	100	103	101
LCSD 570-92607/4	Lab Control Sample Dup	100	102	99	100
LCSD 570-92723/4	Lab Control Sample Dup	100	100	99	99
LCSD 570-92788/4	Lab Control Sample Dup	98	97	100	100
MB 570-92518/9	Method Blank	115	88	112	100
MB 570-92607/8	Method Blank	117	86	113	100
MB 570-92723/6	Method Blank	105	95	104	101
MB 570-92788/6	Method Blank	99	92	97	99

Surrogate Summary

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

Job ID: 570-36781-1

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

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	NBZ (46-128)
440-270876-G-1-A MS	Matrix Spike	85
440-270876-G-1-B MSD	Matrix Spike Duplicate	82
570-36781-7	UAX-01	75
570-36781-15	HEW-01	91
570-36781-16	HEW-0100	81
570-36781-21	LAX-01	79
570-36781-27	HEW-02	80
570-36781-28	HEW-05	84
LCS 570-90510/2-A	Lab Control Sample	86
LCSD 570-90510/3-A	Lab Control Sample Dup	85
MB 570-90510/1-A	Method Blank	71

Surrogate Legend

NBZ = Nitrobenzene-d5

Isotope Dilution Summary

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

Job ID: 570-36781-1

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)
440-270876-G-1-A MS	Matrix Spike	49
440-270876-G-1-B MSD	Matrix Spike Duplicate	47
570-36781-7	UAX-01	48
570-36781-15	HEW-01	53
570-36781-16	HEW-0100	50
570-36781-21	LAX-01	47
570-36781-27	HEW-02	47
570-36781-28	HEW-05	49
LCS 570-90510/2-A	Lab Control Sample	49
LCSD 570-90510/3-A	Lab Control Sample Dup	49
MB 570-90510/1-A	Method Blank	46

Surrogate Legend

DXE = 1,4-Dioxane-d8

QC Sample Results

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

Job ID: 570-36781-1

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

Lab Sample ID: MB 570-92518/9

Matrix: Water

Analysis Batch: 92518

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	0.070	ug/L			09/04/20 12:29	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/04/20 12:29	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/04/20 12:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/04/20 12:29	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/04/20 12:29	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/04/20 12:29	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/04/20 12:29	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/04/20 12:29	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/04/20 12:29	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/04/20 12:29	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/04/20 12:29	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/04/20 12:29	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/04/20 12:29	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/04/20 12:29	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/04/20 12:29	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/04/20 12:29	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/04/20 12:29	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/04/20 12:29	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/04/20 12:29	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/04/20 12:29	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/04/20 12:29	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/04/20 12:29	1
2-Butanone	ND		5.0	0.46	ug/L			09/04/20 12:29	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/04/20 12:29	1
2-Hexanone	ND		10	0.50	ug/L			09/04/20 12:29	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/04/20 12:29	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/04/20 12:29	1
Acetone	ND		10	4.0	ug/L			09/04/20 12:29	1
Benzene	ND		0.50	0.072	ug/L			09/04/20 12:29	1
Bromobenzene	ND		0.50	0.061	ug/L			09/04/20 12:29	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/04/20 12:29	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/04/20 12:29	1
Bromoform	ND		0.50	0.096	ug/L			09/04/20 12:29	1
Bromomethane	ND		2.0	0.99	ug/L			09/04/20 12:29	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/04/20 12:29	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/04/20 12:29	1
Carbon disulfide	ND		10	0.39	ug/L			09/04/20 12:29	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/04/20 12:29	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/04/20 12:29	1
Chloroethane	ND		0.50	0.12	ug/L			09/04/20 12:29	1
Chloroform	ND		0.50	0.062	ug/L			09/04/20 12:29	1
Chloromethane	ND		5.0	2.0	ug/L			09/04/20 12:29	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/04/20 12:29	1
Dibromomethane	ND		0.50	0.13	ug/L			09/04/20 12:29	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/04/20 12:29	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/04/20 12:29	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/04/20 12:29	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/04/20 12:29	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-36781-1

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

Lab Sample ID: MB 570-92518/9

Matrix: Water

Analysis Batch: 92518

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	0.067	ug/L			09/04/20 12:29	1
Naphthalene	ND		1.0	0.097	ug/L			09/04/20 12:29	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/04/20 12:29	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/04/20 12:29	1
o-Xylene	ND		0.50	0.086	ug/L			09/04/20 12:29	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/04/20 12:29	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/04/20 12:29	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/04/20 12:29	1
Styrene	ND		0.50	0.059	ug/L			09/04/20 12:29	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/04/20 12:29	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/04/20 12:29	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/04/20 12:29	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/04/20 12:29	1
Toluene	ND		0.50	0.093	ug/L			09/04/20 12:29	1
Trichloroethene	ND		0.50	0.10	ug/L			09/04/20 12:29	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/04/20 12:29	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/04/20 12:29	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/04/20 12:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		80 - 128		09/04/20 12:29	1
4-Bromofluorobenzene (Surr)	88		68 - 120		09/04/20 12:29	1
Dibromofluoromethane	112		80 - 127		09/04/20 12:29	1
Toluene-d8 (Surr)	100		80 - 120		09/04/20 12:29	1

Lab Sample ID: LCS 570-92518/4

Matrix: Water

Analysis Batch: 92518

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	10.0	10.35		ug/L		104	77 - 120
1,2-Dibromoethane	10.0	10.15		ug/L		102	80 - 120
1,2-Dichlorobenzene	10.0	10.00		ug/L		100	80 - 120
1,2-Dichloroethane	10.0	9.719		ug/L		97	80 - 122
Benzene	10.0	9.999		ug/L		100	80 - 120
Carbon tetrachloride	10.0	11.04		ug/L		110	80 - 129
Chlorobenzene	10.0	10.03		ug/L		100	80 - 120
Ethylbenzene	10.0	10.66		ug/L		107	80 - 120
Methyl-t-Butyl Ether (MTBE)	10.0	9.121		ug/L		91	75 - 123
o-Xylene	10.0	10.77		ug/L		108	80 - 120
m,p-Xylene	20.0	21.26		ug/L		106	80 - 120
Toluene	10.0	10.02		ug/L		100	80 - 120
Trichloroethene	10.0	9.802		ug/L		98	80 - 120
Vinyl chloride	10.0	10.73		ug/L		107	63 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 128
4-Bromofluorobenzene (Surr)	104		68 - 120

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-36781-1

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

Lab Sample ID: LCS 570-92518/4

Matrix: Water

Analysis Batch: 92518

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane	104		80 - 127
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 570-92518/5

Matrix: Water

Analysis Batch: 92518

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-Dichloroethene	10.0	9.617		ug/L		96	77 - 120	7	26
1,2-Dibromoethane	10.0	9.822		ug/L		98	80 - 120	3	32
1,2-Dichlorobenzene	10.0	10.09		ug/L		101	80 - 120	1	30
1,2-Dichloroethane	10.0	9.684		ug/L		97	80 - 122	0	23
Benzene	10.0	9.579		ug/L		96	80 - 120	4	22
Carbon tetrachloride	10.0	10.20		ug/L		102	80 - 129	8	36
Chlorobenzene	10.0	9.547		ug/L		95	80 - 120	5	29
Ethylbenzene	10.0	9.958		ug/L		100	80 - 120	7	25
Methyl-t-Butyl Ether (MTBE)	10.0	9.191		ug/L		92	75 - 123	1	27
o-Xylene	10.0	10.13		ug/L		101	80 - 120	6	30
m,p-Xylene	20.0	19.91		ug/L		100	80 - 120	7	30
Toluene	10.0	9.648		ug/L		96	80 - 120	4	28
Trichloroethene	10.0	9.551		ug/L		96	80 - 120	3	25
Vinyl chloride	10.0	9.959		ug/L		100	63 - 135	7	30

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 128
4-Bromofluorobenzene (Surr)	100		68 - 120
Dibromofluoromethane	103		80 - 127
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: MB 570-92607/8

Matrix: Water

Analysis Batch: 92607

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	0.070	ug/L			09/05/20 01:57	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/05/20 01:57	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/05/20 01:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/05/20 01:57	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/05/20 01:57	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/05/20 01:57	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/05/20 01:57	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/05/20 01:57	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/05/20 01:57	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/05/20 01:57	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/05/20 01:57	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/05/20 01:57	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/05/20 01:57	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/05/20 01:57	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-36781-1

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

Lab Sample ID: MB 570-92607/8

Matrix: Water

Analysis Batch: 92607

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/05/20 01:57	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/05/20 01:57	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/05/20 01:57	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/05/20 01:57	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/05/20 01:57	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/05/20 01:57	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/05/20 01:57	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/05/20 01:57	1
2-Butanone	ND		5.0	0.46	ug/L			09/05/20 01:57	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/05/20 01:57	1
2-Hexanone	ND		10	0.50	ug/L			09/05/20 01:57	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/05/20 01:57	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/05/20 01:57	1
Acetone	ND		10	4.0	ug/L			09/05/20 01:57	1
Benzene	ND		0.50	0.072	ug/L			09/05/20 01:57	1
Bromobenzene	ND		0.50	0.061	ug/L			09/05/20 01:57	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/05/20 01:57	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/05/20 01:57	1
Bromoform	ND		0.50	0.096	ug/L			09/05/20 01:57	1
Bromomethane	ND		2.0	0.99	ug/L			09/05/20 01:57	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/05/20 01:57	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/05/20 01:57	1
Carbon disulfide	ND		10	0.39	ug/L			09/05/20 01:57	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/05/20 01:57	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/05/20 01:57	1
Chloroethane	ND		0.50	0.12	ug/L			09/05/20 01:57	1
Chloroform	ND		0.50	0.062	ug/L			09/05/20 01:57	1
Chloromethane	ND		5.0	2.0	ug/L			09/05/20 01:57	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/05/20 01:57	1
Dibromomethane	ND		0.50	0.13	ug/L			09/05/20 01:57	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/05/20 01:57	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/05/20 01:57	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/05/20 01:57	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/05/20 01:57	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/05/20 01:57	1
Naphthalene	ND		1.0	0.097	ug/L			09/05/20 01:57	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/05/20 01:57	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/05/20 01:57	1
o-Xylene	ND		0.50	0.086	ug/L			09/05/20 01:57	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/05/20 01:57	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/05/20 01:57	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/05/20 01:57	1
Styrene	ND		0.50	0.059	ug/L			09/05/20 01:57	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/05/20 01:57	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/05/20 01:57	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/05/20 01:57	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/05/20 01:57	1
Toluene	ND		0.50	0.093	ug/L			09/05/20 01:57	1
Trichloroethene	ND		0.50	0.10	ug/L			09/05/20 01:57	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-36781-1

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

Lab Sample ID: MB 570-92607/8

Matrix: Water

Analysis Batch: 92607

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/05/20 01:57	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/05/20 01:57	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/05/20 01:57	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		80 - 128					09/05/20 01:57	1
4-Bromofluorobenzene (Surr)	86		68 - 120					09/05/20 01:57	1
Dibromofluoromethane	113		80 - 127					09/05/20 01:57	1
Toluene-d8 (Surr)	100		80 - 120					09/05/20 01:57	1

Lab Sample ID: LCS 570-92607/3

Matrix: Water

Analysis Batch: 92607

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	10.0	9.858		ug/L		99	77 - 120
1,2-Dibromoethane	10.0	10.05		ug/L		100	80 - 120
1,2-Dichlorobenzene	10.0	9.892		ug/L		99	80 - 120
1,2-Dichloroethane	10.0	9.973		ug/L		100	80 - 122
Benzene	10.0	9.852		ug/L		99	80 - 120
Carbon tetrachloride	10.0	10.07		ug/L		101	80 - 129
Chlorobenzene	10.0	9.721		ug/L		97	80 - 120
Ethylbenzene	10.0	10.06		ug/L		101	80 - 120
Methyl-t-Butyl Ether (MTBE)	10.0	10.11		ug/L		101	75 - 123
o-Xylene	10.0	10.17		ug/L		102	80 - 120
m,p-Xylene	20.0	20.51		ug/L		103	80 - 120
Toluene	10.0	10.03		ug/L		100	80 - 120
Trichloroethene	10.0	9.612		ug/L		96	80 - 120
Vinyl chloride	10.0	11.23		ug/L		112	63 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	101		80 - 128				
4-Bromofluorobenzene (Surr)	99		68 - 120				
Dibromofluoromethane	101		80 - 127				
Toluene-d8 (Surr)	100		80 - 120				

Lab Sample ID: LCSD 570-92607/4

Matrix: Water

Analysis Batch: 92607

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-Dichloroethene	10.0	10.46		ug/L		105	77 - 120	6	26
1,2-Dibromoethane	10.0	10.18		ug/L		102	80 - 120	1	32
1,2-Dichlorobenzene	10.0	10.23		ug/L		102	80 - 120	3	30
1,2-Dichloroethane	10.0	10.12		ug/L		101	80 - 122	1	23
Benzene	10.0	10.26		ug/L		103	80 - 120	4	22
Carbon tetrachloride	10.0	10.78		ug/L		108	80 - 129	7	36
Chlorobenzene	10.0	9.995		ug/L		100	80 - 120	3	29

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-36781-1

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

Lab Sample ID: LCSD 570-92607/4

Matrix: Water

Analysis Batch: 92607

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
Ethylbenzene	10.0	10.73		ug/L		107	80 - 120	6	25
Methyl-t-Butyl Ether (MTBE)	10.0	10.15		ug/L		102	75 - 123	0	27
o-Xylene	10.0	10.74		ug/L		107	80 - 120	5	30
m,p-Xylene	20.0	21.71		ug/L		109	80 - 120	6	30
Toluene	10.0	10.27		ug/L		103	80 - 120	2	28
Trichloroethene	10.0	10.28		ug/L		103	80 - 120	7	25
Vinyl chloride	10.0	12.08		ug/L		121	63 - 135	7	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		80 - 128
4-Bromofluorobenzene (Surr)	102		68 - 120
Dibromofluoromethane	99		80 - 127
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: MB 570-92723/6

Matrix: Water

Analysis Batch: 92723

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	0.070	ug/L			09/05/20 12:03	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/05/20 12:03	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/05/20 12:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/05/20 12:03	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/05/20 12:03	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/05/20 12:03	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/05/20 12:03	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/05/20 12:03	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/05/20 12:03	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/05/20 12:03	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/05/20 12:03	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/05/20 12:03	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/05/20 12:03	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/05/20 12:03	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/05/20 12:03	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/05/20 12:03	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/05/20 12:03	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/05/20 12:03	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/05/20 12:03	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/05/20 12:03	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/05/20 12:03	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/05/20 12:03	1
2-Butanone	ND		5.0	0.46	ug/L			09/05/20 12:03	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/05/20 12:03	1
2-Hexanone	ND		10	0.50	ug/L			09/05/20 12:03	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/05/20 12:03	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/05/20 12:03	1
Acetone	ND		10	4.0	ug/L			09/05/20 12:03	1
Benzene	ND		0.50	0.072	ug/L			09/05/20 12:03	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-36781-1

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

Lab Sample ID: MB 570-92723/6

Matrix: Water

Analysis Batch: 92723

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.061	ug/L			09/05/20 12:03	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/05/20 12:03	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/05/20 12:03	1
Bromoform	ND		0.50	0.096	ug/L			09/05/20 12:03	1
Bromomethane	ND		2.0	0.99	ug/L			09/05/20 12:03	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/05/20 12:03	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/05/20 12:03	1
Carbon disulfide	ND		10	0.39	ug/L			09/05/20 12:03	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/05/20 12:03	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/05/20 12:03	1
Chloroethane	ND		0.50	0.12	ug/L			09/05/20 12:03	1
Chloroform	ND		0.50	0.062	ug/L			09/05/20 12:03	1
Chloromethane	ND		5.0	2.0	ug/L			09/05/20 12:03	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/05/20 12:03	1
Dibromomethane	ND		0.50	0.13	ug/L			09/05/20 12:03	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/05/20 12:03	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/05/20 12:03	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/05/20 12:03	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/05/20 12:03	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/05/20 12:03	1
Naphthalene	ND		1.0	0.097	ug/L			09/05/20 12:03	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/05/20 12:03	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/05/20 12:03	1
o-Xylene	ND		0.50	0.086	ug/L			09/05/20 12:03	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/05/20 12:03	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/05/20 12:03	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/05/20 12:03	1
Styrene	ND		0.50	0.059	ug/L			09/05/20 12:03	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/05/20 12:03	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/05/20 12:03	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/05/20 12:03	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/05/20 12:03	1
Toluene	ND		0.50	0.093	ug/L			09/05/20 12:03	1
Trichloroethene	ND		0.50	0.10	ug/L			09/05/20 12:03	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/05/20 12:03	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/05/20 12:03	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/05/20 12:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 128		09/05/20 12:03	1
4-Bromofluorobenzene (Surr)	95		68 - 120		09/05/20 12:03	1
Dibromofluoromethane	104		80 - 127		09/05/20 12:03	1
Toluene-d8 (Surr)	101		80 - 120		09/05/20 12:03	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-36781-1

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

Lab Sample ID: LCS 570-92723/3

Matrix: Water

Analysis Batch: 92723

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	10.0	10.82		ug/L		108	77 - 120
1,2-Dibromoethane	10.0	10.03		ug/L		100	80 - 120
1,2-Dichlorobenzene	10.0	10.33		ug/L		103	80 - 120
1,2-Dichloroethane	10.0	10.44		ug/L		104	80 - 122
Benzene	10.0	10.90		ug/L		109	80 - 120
Carbon tetrachloride	10.0	10.87		ug/L		109	80 - 129
Chlorobenzene	10.0	10.47		ug/L		105	80 - 120
Ethylbenzene	10.0	10.68		ug/L		107	80 - 120
Methyl-t-Butyl Ether (MTBE)	10.0	8.877		ug/L		89	75 - 123
o-Xylene	10.0	10.70		ug/L		107	80 - 120
m,p-Xylene	20.0	21.55		ug/L		108	80 - 120
Toluene	10.0	10.50		ug/L		105	80 - 120
Trichloroethene	10.0	10.58		ug/L		106	80 - 120
Vinyl chloride	10.0	10.36		ug/L		104	63 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		80 - 128
4-Bromofluorobenzene (Surr)	99		68 - 120
Dibromofluoromethane	98		80 - 127
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 570-92723/4

Matrix: Water

Analysis Batch: 92723

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-Dichloroethene	10.0	10.13		ug/L		101	77 - 120	7	26
1,2-Dibromoethane	10.0	9.750		ug/L		97	80 - 120	3	32
1,2-Dichlorobenzene	10.0	10.25		ug/L		103	80 - 120	1	30
1,2-Dichloroethane	10.0	10.10		ug/L		101	80 - 122	3	23
Benzene	10.0	10.28		ug/L		103	80 - 120	6	22
Carbon tetrachloride	10.0	10.70		ug/L		107	80 - 129	2	36
Chlorobenzene	10.0	10.08		ug/L		101	80 - 120	4	29
Ethylbenzene	10.0	10.38		ug/L		104	80 - 120	3	25
Methyl-t-Butyl Ether (MTBE)	10.0	9.006		ug/L		90	75 - 123	1	27
o-Xylene	10.0	10.43		ug/L		104	80 - 120	3	30
m,p-Xylene	20.0	20.53		ug/L		103	80 - 120	5	30
Toluene	10.0	10.07		ug/L		101	80 - 120	4	28
Trichloroethene	10.0	10.11		ug/L		101	80 - 120	5	25
Vinyl chloride	10.0	10.03		ug/L		100	63 - 135	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		80 - 128
4-Bromofluorobenzene (Surr)	100		68 - 120
Dibromofluoromethane	99		80 - 127
Toluene-d8 (Surr)	99		80 - 120

QC Sample Results

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

Job ID: 570-36781-1

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

Lab Sample ID: MB 570-92788/6

Matrix: Water

Analysis Batch: 92788

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	0.070	ug/L			09/05/20 23:17	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/05/20 23:17	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/05/20 23:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/05/20 23:17	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/05/20 23:17	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/05/20 23:17	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/05/20 23:17	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/05/20 23:17	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/05/20 23:17	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/05/20 23:17	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/05/20 23:17	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/05/20 23:17	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/05/20 23:17	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/05/20 23:17	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/05/20 23:17	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/05/20 23:17	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/05/20 23:17	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/05/20 23:17	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/05/20 23:17	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/05/20 23:17	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/05/20 23:17	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/05/20 23:17	1
2-Butanone	ND		5.0	0.46	ug/L			09/05/20 23:17	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/05/20 23:17	1
2-Hexanone	ND		10	0.50	ug/L			09/05/20 23:17	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/05/20 23:17	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/05/20 23:17	1
Acetone	ND		10	4.0	ug/L			09/05/20 23:17	1
Benzene	ND		0.50	0.072	ug/L			09/05/20 23:17	1
Bromobenzene	ND		0.50	0.061	ug/L			09/05/20 23:17	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/05/20 23:17	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/05/20 23:17	1
Bromoform	ND		0.50	0.096	ug/L			09/05/20 23:17	1
Bromomethane	ND		2.0	0.99	ug/L			09/05/20 23:17	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/05/20 23:17	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/05/20 23:17	1
Carbon disulfide	ND		10	0.39	ug/L			09/05/20 23:17	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/05/20 23:17	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/05/20 23:17	1
Chloroethane	ND		0.50	0.12	ug/L			09/05/20 23:17	1
Chloroform	ND		0.50	0.062	ug/L			09/05/20 23:17	1
Chloromethane	ND		5.0	2.0	ug/L			09/05/20 23:17	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/05/20 23:17	1
Dibromomethane	ND		0.50	0.13	ug/L			09/05/20 23:17	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/05/20 23:17	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/05/20 23:17	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/05/20 23:17	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/05/20 23:17	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-36781-1

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

Lab Sample ID: MB 570-92788/6

Matrix: Water

Analysis Batch: 92788

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	0.067	ug/L			09/05/20 23:17	1
Naphthalene	ND		1.0	0.097	ug/L			09/05/20 23:17	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/05/20 23:17	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/05/20 23:17	1
o-Xylene	ND		0.50	0.086	ug/L			09/05/20 23:17	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/05/20 23:17	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/05/20 23:17	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/05/20 23:17	1
Styrene	ND		0.50	0.059	ug/L			09/05/20 23:17	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/05/20 23:17	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/05/20 23:17	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/05/20 23:17	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/05/20 23:17	1
Toluene	ND		0.50	0.093	ug/L			09/05/20 23:17	1
Trichloroethene	ND		0.50	0.10	ug/L			09/05/20 23:17	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/05/20 23:17	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/05/20 23:17	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/05/20 23:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 128		09/05/20 23:17	1
4-Bromofluorobenzene (Surr)	92		68 - 120		09/05/20 23:17	1
Dibromofluoromethane	97		80 - 127		09/05/20 23:17	1
Toluene-d8 (Surr)	99		80 - 120		09/05/20 23:17	1

Lab Sample ID: LCS 570-92788/3

Matrix: Water

Analysis Batch: 92788

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	10.0	8.857		ug/L		89	77 - 120
1,2-Dibromoethane	10.0	9.692		ug/L		97	80 - 120
1,2-Dichlorobenzene	10.0	10.11		ug/L		101	80 - 120
1,2-Dichloroethane	10.0	9.470		ug/L		95	80 - 122
Benzene	10.0	9.488		ug/L		95	80 - 120
Carbon tetrachloride	10.0	8.907		ug/L		89	80 - 129
Chlorobenzene	10.0	9.781		ug/L		98	80 - 120
Ethylbenzene	10.0	9.439		ug/L		94	80 - 120
Methyl-t-Butyl Ether (MTBE)	10.0	8.411		ug/L		84	75 - 123
o-Xylene	10.0	9.500		ug/L		95	80 - 120
m,p-Xylene	20.0	19.17		ug/L		96	80 - 120
Toluene	10.0	9.386		ug/L		94	80 - 120
Trichloroethene	10.0	9.038		ug/L		90	80 - 120
Vinyl chloride	10.0	9.363		ug/L		94	63 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		80 - 128
4-Bromofluorobenzene (Surr)	95		68 - 120

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-36781-1

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

Lab Sample ID: LCS 570-92788/3

Matrix: Water

Analysis Batch: 92788

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane	100		80 - 127
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCSD 570-92788/4

Matrix: Water

Analysis Batch: 92788

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-Dichloroethene	10.0	9.203		ug/L		92	77 - 120	4	26
1,2-Dibromoethane	10.0	9.664		ug/L		97	80 - 120	0	32
1,2-Dichlorobenzene	10.0	9.450		ug/L		95	80 - 120	7	30
1,2-Dichloroethane	10.0	9.634		ug/L		96	80 - 122	2	23
Benzene	10.0	9.854		ug/L		99	80 - 120	4	22
Carbon tetrachloride	10.0	9.170		ug/L		92	80 - 129	3	36
Chlorobenzene	10.0	9.817		ug/L		98	80 - 120	0	29
Ethylbenzene	10.0	9.581		ug/L		96	80 - 120	1	25
Methyl-t-Butyl Ether (MTBE)	10.0	8.436		ug/L		84	75 - 123	0	27
o-Xylene	10.0	9.673		ug/L		97	80 - 120	2	30
m,p-Xylene	20.0	19.31		ug/L		97	80 - 120	1	30
Toluene	10.0	9.626		ug/L		96	80 - 120	3	28
Trichloroethene	10.0	9.431		ug/L		94	80 - 120	4	25
Vinyl chloride	10.0	9.725		ug/L		97	63 - 135	4	30

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		80 - 128
4-Bromofluorobenzene (Surr)	97		68 - 120
Dibromofluoromethane	100		80 - 127
Toluene-d8 (Surr)	100		80 - 120

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

Lab Sample ID: MB 570-90510/1-A

Matrix: Water

Analysis Batch: 90749

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 90510

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L		08/26/20 15:00	08/27/20 13:33	1
Isotope Dilution	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	46		15 - 150				08/26/20 15:00	08/27/20 13:33	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	71		46 - 128				08/26/20 15:00	08/27/20 13:33	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-36781-1

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

Lab Sample ID: LCS 570-90510/2-A

Matrix: Water

Analysis Batch: 90749

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 90510

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			20.0	18.02		ug/L		90	57 - 136		
	LCS	LCS									
Isotope Dilution	%Recovery	Qualifier	Limits								
1,4-Dioxane-d8	49		15 - 150								
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
Nitrobenzene-d5	86		46 - 128								

Lab Sample ID: LCSD 570-90510/3-A

Matrix: Water

Analysis Batch: 90749

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 90510

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,4-Dioxane			20.0	16.93		ug/L		85	57 - 136	6	20
	LCSD	LCSD									
Isotope Dilution	%Recovery	Qualifier	Limits								
1,4-Dioxane-d8	49		15 - 150								
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
Nitrobenzene-d5	85		46 - 128								

Lab Sample ID: 440-270876-G-1-A MS

Matrix: Water

Analysis Batch: 90749

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 90510

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane	ND		20.0	18.49		ug/L		93	45 - 139		
	MS	MS									
Isotope Dilution	%Recovery	Qualifier	Limits								
1,4-Dioxane-d8	49		15 - 150								
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
Nitrobenzene-d5	85		46 - 128								

Lab Sample ID: 440-270876-G-1-B MSD

Matrix: Water

Analysis Batch: 90749

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 90510

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,4-Dioxane	ND		19.9	17.21		ug/L		86	45 - 139	7	17
	MSD	MSD									
Isotope Dilution	%Recovery	Qualifier	Limits								
1,4-Dioxane-d8	47		15 - 150								
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
Nitrobenzene-d5	82		46 - 128								

Eurofins Calscience LLC

QC Association Summary

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

Job ID: 570-36781-1

GC/MS VOA

Analysis Batch: 92518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-36781-1	TB-082520	Total/NA	Water	8260B	
570-36781-2	S-27	Total/NA	Water	8260B	
570-36781-3	S-18	Total/NA	Water	8260B	
570-36781-4	S-21	Total/NA	Water	8260B	
570-36781-5	UA-4D	Total/NA	Water	8260B	
570-36781-6	UB-01	Total/NA	Water	8260B	
570-36781-7	UAX-01	Total/NA	Water	8260B	
570-36781-8	S-04	Total/NA	Water	8260B	
570-36781-9	S-02	Total/NA	Water	8260B	
570-36781-10	S-03	Total/NA	Water	8260B	
570-36781-11	S-32	Total/NA	Water	8260B	
570-36781-12	S-15	Total/NA	Water	8260B	
570-36781-13	RB-082520C	Total/NA	Water	8260B	
570-36781-14	AB-03	Total/NA	Water	8260B	
570-36781-15	HEW-01	Total/NA	Water	8260B	
570-36781-16	HEW-0100	Total/NA	Water	8260B	
570-36781-17	UA-13D	Total/NA	Water	8260B	
MB 570-92518/9	Method Blank	Total/NA	Water	8260B	
LCS 570-92518/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-92518/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 92607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-36781-18	UB-02	Total/NA	Water	8260B	
570-36781-19	AB-05	Total/NA	Water	8260B	
570-36781-20	RB-082520A	Total/NA	Water	8260B	
570-36781-21	LAX-01	Total/NA	Water	8260B	
570-36781-22	UA-11D	Total/NA	Water	8260B	
570-36781-23	S-30	Total/NA	Water	8260B	
570-36781-24	S-3000	Total/NA	Water	8260B	
570-36781-25	UA-11	Total/NA	Water	8260B	
570-36781-26	UB-03	Total/NA	Water	8260B	
570-36781-27	HEW-02	Total/NA	Water	8260B	
570-36781-28	HEW-05	Total/NA	Water	8260B	
570-36781-29	UB-05	Total/NA	Water	8260B	
570-36781-30	AB-07	Total/NA	Water	8260B	
570-36781-32	RB-082520B	Total/NA	Water	8260B	
570-36781-33	UA-16D	Total/NA	Water	8260B	
570-36781-34	UA-17D	Total/NA	Water	8260B	
MB 570-92607/8	Method Blank	Total/NA	Water	8260B	
LCS 570-92607/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-92607/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 92723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-36781-31	UA-14D	Total/NA	Water	8260B	
570-36781-35	AB-08	Total/NA	Water	8260B	
570-36781-36	UB-06	Total/NA	Water	8260B	
MB 570-92723/6	Method Blank	Total/NA	Water	8260B	
LCS 570-92723/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-92723/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Eurofins Calscience LLC

QC Association Summary

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

Job ID: 570-36781-1

GC/MS VOA

Analysis Batch: 92788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-36781-37	UB-0600	Total/NA	Water	8260B	
MB 570-92788/6	Method Blank	Total/NA	Water	8260B	
LCS 570-92788/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-92788/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 90510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-36781-7	UAX-01	Total/NA	Water	3510C	
570-36781-15	HEW-01	Total/NA	Water	3510C	
570-36781-16	HEW-0100	Total/NA	Water	3510C	
570-36781-21	LAX-01	Total/NA	Water	3510C	
570-36781-27	HEW-02	Total/NA	Water	3510C	
570-36781-28	HEW-05	Total/NA	Water	3510C	
MB 570-90510/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-90510/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-90510/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
440-270876-G-1-A MS	Matrix Spike	Total/NA	Water	3510C	
440-270876-G-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 90749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-36781-7	UAX-01	Total/NA	Water	8270C SIM ID	90510
570-36781-15	HEW-01	Total/NA	Water	8270C SIM ID	90510
570-36781-16	HEW-0100	Total/NA	Water	8270C SIM ID	90510
570-36781-21	LAX-01	Total/NA	Water	8270C SIM ID	90510
570-36781-27	HEW-02	Total/NA	Water	8270C SIM ID	90510
570-36781-28	HEW-05	Total/NA	Water	8270C SIM ID	90510
MB 570-90510/1-A	Method Blank	Total/NA	Water	8270C SIM ID	90510
LCS 570-90510/2-A	Lab Control Sample	Total/NA	Water	8270C SIM ID	90510
LCSD 570-90510/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM ID	90510
440-270876-G-1-A MS	Matrix Spike	Total/NA	Water	8270C SIM ID	90510
440-270876-G-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8270C SIM ID	90510

Lab Chronicle

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

Job ID: 570-36781-1

Client Sample ID: TB-082520

Lab Sample ID: 570-36781-1

Date Collected: 08/25/20 08:30

Matrix: Water

Date Received: 08/25/20 18:00

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	5 mL	5 mL	92518	09/04/20 12:57	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: S-27

Lab Sample ID: 570-36781-2

Date Collected: 08/25/20 08:50

Matrix: Water

Date Received: 08/25/20 18:00

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	5 mL	5 mL	92518	09/04/20 13:25	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: S-18

Lab Sample ID: 570-36781-3

Date Collected: 08/25/20 09:20

Matrix: Water

Date Received: 08/25/20 18:00

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	5 mL	5 mL	92518	09/04/20 13:53	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: S-21

Lab Sample ID: 570-36781-4

Date Collected: 08/25/20 09:50

Matrix: Water

Date Received: 08/25/20 18:00

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	5 mL	5 mL	92518	09/04/20 14:21	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: UA-4D

Lab Sample ID: 570-36781-5

Date Collected: 08/25/20 10:10

Matrix: Water

Date Received: 08/25/20 18:00

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	5 mL	5 mL	92518	09/04/20 14:48	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: UB-01

Lab Sample ID: 570-36781-6

Date Collected: 08/25/20 10:25

Matrix: Water

Date Received: 08/25/20 18:00

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	5 mL	5 mL	92518	09/04/20 15:16	UX77	ECL 2
Instrument ID: GCMST										

Lab Chronicle

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

Job ID: 570-36781-1

Client Sample ID: UAX-01

Lab Sample ID: 570-36781-7

Date Collected: 08/25/20 10:40

Matrix: Water

Date Received: 08/25/20 18:00

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	5 mL	5 mL	92518	09/04/20 15:44	UX77	ECL 2
Instrument ID: GCMST										
Total/NA	Prep	3510C			100.3 mL	10 mL	90510	08/26/20 15:00		ECL 1
Total/NA	Analysis	8270C SIM ID		1			90749	08/27/20 17:14	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: S-04

Lab Sample ID: 570-36781-8

Date Collected: 08/25/20 10:50

Matrix: Water

Date Received: 08/25/20 18:00

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	5 mL	5 mL	92518	09/04/20 16:12	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: S-02

Lab Sample ID: 570-36781-9

Date Collected: 08/25/20 12:48

Matrix: Water

Date Received: 08/25/20 18:00

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	5 mL	5 mL	92518	09/04/20 16:40	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: S-03

Lab Sample ID: 570-36781-10

Date Collected: 08/25/20 13:15

Matrix: Water

Date Received: 08/25/20 18:00

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	5 mL	5 mL	92518	09/04/20 17:08	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: S-32

Lab Sample ID: 570-36781-11

Date Collected: 08/25/20 13:30

Matrix: Water

Date Received: 08/25/20 18:00

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	5 mL	5 mL	92518	09/04/20 17:36	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: S-15

Lab Sample ID: 570-36781-12

Date Collected: 08/25/20 14:42

Matrix: Water

Date Received: 08/25/20 18:00

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	5 mL	5 mL	92518	09/04/20 18:04	UX77	ECL 2
Instrument ID: GCMST										

Lab Chronicle

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

Job ID: 570-36781-1

Client Sample ID: RB-082520C

Lab Sample ID: 570-36781-13

Date Collected: 08/25/20 14:48

Matrix: Water

Date Received: 08/25/20 18:00

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	5 mL	5 mL	92518	09/04/20 18:32	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: AB-03

Lab Sample ID: 570-36781-14

Date Collected: 08/25/20 15:08

Matrix: Water

Date Received: 08/25/20 18:00

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	5 mL	5 mL	92518	09/04/20 19:00	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: HEW-01

Lab Sample ID: 570-36781-15

Date Collected: 08/25/20 15:26

Matrix: Water

Date Received: 08/25/20 18:00

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	5 mL	5 mL	92518	09/04/20 19:56	UX77	ECL 2
Instrument ID: GCMST										
Total/NA	Prep	3510C			100.1 mL	10 mL	90510	08/26/20 15:00		ECL 1
Total/NA	Analysis	8270C SIM ID		1			90749	08/27/20 17:29	AJ2Q	ECL 1
Instrument ID: GCMSTDD										

Client Sample ID: HEW-0100

Lab Sample ID: 570-36781-16

Date Collected: 08/25/20 15:41

Matrix: Water

Date Received: 08/25/20 18:00

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	5 mL	5 mL	92518	09/04/20 20:23	UX77	ECL 2
Instrument ID: GCMST										
Total/NA	Prep	3510C			100.5 mL	10 mL	90510	08/26/20 15:00		ECL 1
Total/NA	Analysis	8270C SIM ID		1			90749	08/27/20 17:45	AJ2Q	ECL 1
Instrument ID: GCMSTDD										

Client Sample ID: UA-13D

Lab Sample ID: 570-36781-17

Date Collected: 08/25/20 09:00

Matrix: Water

Date Received: 08/25/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	5 mL	5 mL	92518	09/04/20 19:28	UX77	ECL 2
Instrument ID: GCMST										

Lab Chronicle

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

Job ID: 570-36781-1

Client Sample ID: UB-02

Date Collected: 08/25/20 09:15

Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-18

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	5 mL	5 mL	92607	09/05/20 02:25	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: AB-05

Date Collected: 08/25/20 09:25

Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-19

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	5 mL	5 mL	92607	09/05/20 02:52	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: RB-082520A

Date Collected: 08/25/20 09:32

Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-20

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	5 mL	5 mL	92607	09/05/20 03:20	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: LAX-01

Date Collected: 08/25/20 10:00

Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-21

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	5 mL	5 mL	92607	09/05/20 03:48	UX77	ECL 2
Instrument ID: GCMST										
Total/NA	Prep	3510C			100.4 mL	10 mL	90510	08/26/20 15:00		ECL 1
Total/NA	Analysis	8270C SIM ID		1			90749	08/27/20 18:01	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: UA-11D

Date Collected: 08/25/20 10:20

Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-22

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	5 mL	5 mL	92607	09/05/20 04:16	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: S-30

Date Collected: 08/25/20 10:32

Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-23

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	5 mL	5 mL	92607	09/05/20 04:43	UX77	ECL 2
Instrument ID: GCMST										

Lab Chronicle

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

Job ID: 570-36781-1

Client Sample ID: S-3000

Lab Sample ID: 570-36781-24

Date Collected: 08/25/20 10:35

Matrix: Water

Date Received: 08/25/20 18:00

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	5 mL	5 mL	92607	09/05/20 05:11	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: UA-11

Lab Sample ID: 570-36781-25

Date Collected: 08/25/20 10:40

Matrix: Water

Date Received: 08/25/20 18:00

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	5 mL	5 mL	92607	09/05/20 05:39	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: UB-03

Lab Sample ID: 570-36781-26

Date Collected: 08/25/20 10:50

Matrix: Water

Date Received: 08/25/20 18:00

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	5 mL	5 mL	92607	09/05/20 06:07	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: HEW-02

Lab Sample ID: 570-36781-27

Date Collected: 08/25/20 12:25

Matrix: Water

Date Received: 08/25/20 18:00

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	5 mL	5 mL	92607	09/05/20 08:54	UX77	ECL 2
Instrument ID: GCMST										
Total/NA	Prep	3510C			100.7 mL	10 mL	90510	08/26/20 15:00		ECL 1
Total/NA	Analysis	8270C SIM ID		1			90749	08/27/20 18:17	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: HEW-05

Lab Sample ID: 570-36781-28

Date Collected: 08/25/20 12:40

Matrix: Water

Date Received: 08/25/20 18:00

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	5 mL	5 mL	92607	09/05/20 09:21	UX77	ECL 2
Instrument ID: GCMST										
Total/NA	Prep	3510C			100.7 mL	10 mL	90510	08/26/20 15:00		ECL 1
Total/NA	Analysis	8270C SIM ID		1			90749	08/27/20 18:33	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Lab Chronicle

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

Job ID: 570-36781-1

Client Sample ID: UB-05

Date Collected: 08/25/20 13:00

Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-29

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	5 mL	5 mL	92607	09/05/20 06:35	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: AB-07

Date Collected: 08/25/20 13:20

Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-30

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	5 mL	5 mL	92607	09/05/20 07:02	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: UA-14D

Date Collected: 08/25/20 13:30

Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-31

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	92723	09/05/20 19:43	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: RB-082520B

Date Collected: 08/25/20 13:40

Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-32

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		1	5 mL	5 mL	92607	09/05/20 07:30	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: UA-16D

Date Collected: 08/25/20 14:37

Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-33

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	5 mL	5 mL	92607	09/05/20 07:58	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: UA-17D

Date Collected: 08/25/20 14:45

Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-34

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	5 mL	5 mL	92607	09/05/20 08:26	UX77	ECL 2
Instrument ID: GCMST										

Lab Chronicle

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

Job ID: 570-36781-1

Client Sample ID: AB-08

Date Collected: 08/25/20 14:58

Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-35

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	92723	09/05/20 18:49	UX77	ECL 2
Instrument ID: GCMSL										

Client Sample ID: UB-06

Date Collected: 08/25/20 15:10

Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-36

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	92723	09/05/20 19:16	UX77	ECL 2
Instrument ID: GCMSL										

Client Sample ID: UB-0600

Date Collected: 08/25/20 15:15

Date Received: 08/25/20 18:00

Lab Sample ID: 570-36781-37

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	92788	09/06/20 08:15	UX77	ECL 2
Instrument ID: GCMSVV										

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.

Job ID: 570-36781-1

Project/Site: Raytheon Full Scale/Bldg 684 (Fullerton)

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	09-29-20
California	SCAQMD LAP	17LA0919	11-30-20
California	State	2944	09-29-20
Guam	State	20-003R	10-31-20
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-20

Method Summary

Client: Hargis + Associates, Inc.

Job ID: 570-36781-1

Project/Site: Raytheon Full Scale/Bldg 684 (Fullerton)

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 (Fullerton)

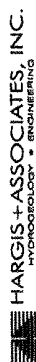
Job ID: 570-36781-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-36781-1	TB-082520	Water	08/25/20 08:30	08/25/20 18:00	
570-36781-2	S-27	Water	08/25/20 08:50	08/25/20 18:00	
570-36781-3	S-18	Water	08/25/20 09:20	08/25/20 18:00	
570-36781-4	S-21	Water	08/25/20 09:50	08/25/20 18:00	
570-36781-5	UA-4D	Water	08/25/20 10:10	08/25/20 18:00	
570-36781-6	UB-01	Water	08/25/20 10:25	08/25/20 18:00	
570-36781-7	UAX-01	Water	08/25/20 10:40	08/25/20 18:00	
570-36781-8	S-04	Water	08/25/20 10:50	08/25/20 18:00	
570-36781-9	S-02	Water	08/25/20 12:48	08/25/20 18:00	
570-36781-10	S-03	Water	08/25/20 13:15	08/25/20 18:00	
570-36781-11	S-32	Water	08/25/20 13:30	08/25/20 18:00	
570-36781-12	S-15	Water	08/25/20 14:42	08/25/20 18:00	
570-36781-13	RB-082520C	Water	08/25/20 14:48	08/25/20 18:00	
570-36781-14	AB-03	Water	08/25/20 15:08	08/25/20 18:00	
570-36781-15	HEW-01	Water	08/25/20 15:26	08/25/20 18:00	
570-36781-16	HEW-0100	Water	08/25/20 15:41	08/25/20 18:00	
570-36781-17	UA-13D	Water	08/25/20 09:00	08/25/20 18:00	
570-36781-18	UB-02	Water	08/25/20 09:15	08/25/20 18:00	
570-36781-19	AB-05	Water	08/25/20 09:25	08/25/20 18:00	
570-36781-20	RB-082520A	Water	08/25/20 09:32	08/25/20 18:00	
570-36781-21	LAX-01	Water	08/25/20 10:00	08/25/20 18:00	
570-36781-22	UA-11D	Water	08/25/20 10:20	08/25/20 18:00	
570-36781-23	S-30	Water	08/25/20 10:32	08/25/20 18:00	
570-36781-24	S-3000	Water	08/25/20 10:35	08/25/20 18:00	
570-36781-25	UA-11	Water	08/25/20 10:40	08/25/20 18:00	
570-36781-26	UB-03	Water	08/25/20 10:50	08/25/20 18:00	
570-36781-27	HEW-02	Water	08/25/20 12:25	08/25/20 18:00	
570-36781-28	HEW-05	Water	08/25/20 12:40	08/25/20 18:00	
570-36781-29	UB-05	Water	08/25/20 13:00	08/25/20 18:00	
570-36781-30	AB-07	Water	08/25/20 13:20	08/25/20 18:00	
570-36781-31	UA-14D	Water	08/25/20 13:30	08/25/20 18:00	
570-36781-32	RB-082520B	Water	08/25/20 13:40	08/25/20 18:00	
570-36781-33	UA-16D	Water	08/25/20 14:37	08/25/20 18:00	
570-36781-34	UA-17D	Water	08/25/20 14:45	08/25/20 18:00	
570-36781-35	AB-08	Water	08/25/20 14:58	08/25/20 18:00	
570-36781-36	UB-06	Water	08/25/20 15:10	08/25/20 18:00	
570-36781-37	UB-0600	Water	08/25/20 15:15	08/25/20 18:00	



570-36781 Chain of Custody

Date: 8.25.20
Page 1 of 4



HARGIS+ASSOCIATES, INC.
HYDROBIOLOGY • ENGINEERING

PROJECT: Building 684 - Raytheon
TASK NO.: 764 10

Project Manager Steve Netto
QA Manager Tyler Evans
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 764.10		DJS/RA									
	TB-082520		8/25/20	0830	Groundwater	Hydrochloric Acid (HCl)	500 mL Amber	VOCs by EPA 8260B	100-1,000	Standard TAT	
	S-27		8/25/20	0830					>1,000		
	S-18			0920					10-100		
	S-21			0930					0-10		
	UA-40			1010							
	UR-01			1025							
	UA-01			1040							
	S-04			1050							
	S-02			1250							
	S-03			1315							
	S-32			1330							
TSE	LA-02			1410							
	S-15			1442							
	RB-082520C			1448							
	AR-03			1508							

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:

<u>AD</u>	<u>Relinquished By: / Company:</u>	<u>8/25/20</u>	<u>1610</u>	<u>Samir</u>	<u>BS</u>	<u>08/25/20</u>	<u>16:10</u>
<u>Samir</u>	<u>Relinquished By: / Company:</u>	<u>08/25/20</u>	<u>18:00</u>	<u>Samir</u>	<u>BS</u>	<u>08/25/20</u>	<u>18:00</u>

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

3.3/2.9 ; 4.5/4.1 SW

PROJECT: Building 684 - Raytheon
TASK NO.: 764.10

Project Manager Steve Netto
QA Manager Tyler Evans
Phone 858-455-65

Date: 8.25.20
Page 2 of 4

[illegible]

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

Received By: / Company:	Date / Time	Received By: / Company:	Date / Time
AD Dally / H+A	8/25/20 16:10	Satya	8/25/20 16:10
Relinquished By: / Company:	Date / Time	Relinquished By: / Company:	Date / Time
Satya	8/25/20 16:10	Satya	8/25/20 16:10

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

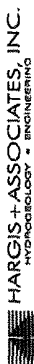
Send Results to:
Steve Netto

9171 Towne Centre Dr.
Suite 375

San Diego, CA 92122

Ph: 858-455-6500
snetto@hargis.com

Temperature on receipt



HARGIS + ASSOCIATES, INC.
HYDROBIOLOGY • ENGINEERING

PROJECT: Building 684 - Raytheon
TASK NO.: 764.10

Project Manager Steve Netto
QA Manager Tyler Evans
Phone 858-455-6500

Date: 8/25/20
Page 3 of 4

Project	Sampled By:	SAMPLE COLLECTION		LAB ID	MATRIX	PRESERVATION	CONTAINERS	ANALYSIS REQUESTED	ESTIMATED CONCENTRATION	SPECIAL HANDLING	REMARKS
		Date	Time								
BCI Fullerton 764.10	TSE / AMD	8/25/20	900	VA-13D	Groundwater						
			915	UB-02	Lab prepared water						
			925	AB-05							
			932	EB-0825204							
			1000	LAX-01							
				VA-11D							
			1010	S-30							
			1032	S-3000							
			1035	VA-11							
			1040	UB-03							
			1050	HEW-02							
			1225	HEW-05							
			1240	UB-05							
			1300	AB-07							
			1320	VA-14D							
			1330								

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
AD Dooly / H + A	8/25/20 1610	Santos, L	8/25/20 1610
Relinquished By: / Company:	Date / Time	Received By: / Company:	Date / Time
Santos, L	8/25/20 1800	[Signature]	8/25/20 1900

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

Send Results to:
Steve Netto

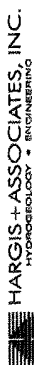
9171 Towne Centre Dr.
Suite 375

San Diego, CA 92122

Ph: 858-455-6500

snetto@hargis.com

Temperature on receipt



ARGIS + ASSOCIATES, INC.
HYDROLOGY • ENGINEERING

PROJECT: Building 684 - Raytheon
TASK NO.: 764.10

Project Manager Steve Netto

QA Manager Tyler Evans

Phone 858-455-6500

Project [] Sampled By:

TSE/AND

[illegible]

MATRIX	PRESERVATION	CONTAINERS	ANALYSIS REQUESTED	ESTIMATED CONCENTRATION	SPECIAL HANDLING	REMARKS
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	

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:

20	8/25/20	8/25/20
----	---------	---------

AD only / H + A

Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
-----------------------------	-------------	------------------------	-------------

Requisitioned by / Company.	Date / Time	Received by / Company.	Date / Time
✓	04/52/60	✓	04/52/60
			04/52/60

[illegible][illegible]

Temperature on receipt

Send Results to:

Steve Netto

9171 Towne Centre Dr.

Suite 375

San Diego, CA 92122

Ph: 858-455-6500

snetto@hargis.com

Login Sample Receipt Checklist

Client: Hargis + Associates, Inc.

Job Number: 570-36781-1

Login Number: 36781

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: 570-36887-1

Client Project/Site: Raytheon Full Scale/Bldg 684 (Fullerton)

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:
9/10/2020 8:59:37 AM

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

LINKS

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results through
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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 Full Scale/Bldg 684 (Fullerton)

Job ID: 570-36887-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
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.
□	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 (Fullerton)

Job ID: 570-36887-1

Job ID: 570-36887-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative 570-36887-1

Comments

No additional comments.

Receipt

The samples were received on 8/26/2020 3:05 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.3° C and 2.6° C.

GC/MS VOA

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with analytical batch 570-92787.

Method 8260B: The following sample was diluted due to the nature of the sample matrix: AB-02 (570-36887-29). Elevated reporting limits (RLs) are provided.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with analytical batch 570-92788.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for the following sample associated with analytical batch 570-92797 were outside control limits: (570-36904-A-5 MS). The associated laboratory control sample (LCS) recovery met acceptance criteria.

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 (Fullerton)

Job ID: 570-36887-1

Client Sample ID: TB-082620

Lab Sample ID: 570-36887-1

No Detections.

Client Sample ID: UA-07D

Lab Sample ID: 570-36887-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.47	J	0.50	0.060	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.96		0.50	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: UA-07

Lab Sample ID: 570-36887-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.4		0.50	0.060	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.40	J	0.50	0.10	ug/L	1		8260B	Total/NA
Trichloroethene	2.6		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: S-26

Lab Sample ID: 570-36887-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.13	J	0.50	0.060	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.50		0.50	0.10	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.13	J	0.50	0.11	ug/L	1		8260B	Total/NA
Trichloroethene	1.0		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: UA-06D

Lab Sample ID: 570-36887-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	3.5		0.50	0.24	ug/L	1		8260B	Total/NA
Trichloroethene	0.74		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: UA-06

Lab Sample ID: 570-36887-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.31	J	0.50	0.10	ug/L	1		8260B	Total/NA
Tetrachloroethene	2.1		0.50	0.24	ug/L	1		8260B	Total/NA
Trichloroethene	4.7		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: AB-01

Lab Sample ID: 570-36887-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.13	J	1.0	0.043	ug/L	1		8260B	Total/NA

Client Sample ID: AB-0100

Lab Sample ID: 570-36887-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.16	J	1.0	0.043	ug/L	1		8260B	Total/NA

Client Sample ID: RB-082620A

Lab Sample ID: 570-36887-9

No Detections.

Client Sample ID: LAX-02

Lab Sample ID: 570-36887-10

No Detections.

Client Sample ID: S-14

Lab Sample ID: 570-36887-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.29	J	0.50	0.060	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 (Fullerton)

Job ID: 570-36887-1

Client Sample ID: S-14 (Continued)

Lab Sample ID: 570-36887-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.1		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: LAX-03

Lab Sample ID: 570-36887-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.38	J	0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: S-29

Lab Sample ID: 570-36887-13

No Detections.

Client Sample ID: UA-12D

Lab Sample ID: 570-36887-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.59		0.50	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: UA-12

Lab Sample ID: 570-36887-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.65		0.50	0.24	ug/L	1		8260B	Total/NA
Trichloroethene	2.2		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: AB-06

Lab Sample ID: 570-36887-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.087	J	0.50	0.060	ug/L	1		8260B	Total/NA
Acetone	7.6	J	10	4.0	ug/L	1		8260B	Total/NA
Benzene	0.13	J	0.50	0.072	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	2.7		0.50	0.11	ug/L	1		8260B	Total/NA
Isopropylbenzene	0.30	J	0.50	0.077	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	0.34	J	0.50	0.082	ug/L	1		8260B	Total/NA

Client Sample ID: UA-10D

Lab Sample ID: 570-36887-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	8.7		0.50	0.24	ug/L	1		8260B	Total/NA

Client Sample ID: UB-04

Lab Sample ID: 570-36887-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.5		0.50	0.11	ug/L	1		8260B	Total/NA
Isopropylbenzene	0.26	J	0.50	0.077	ug/L	1		8260B	Total/NA
n-Butylbenzene	0.21	J	0.50	0.11	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	3.1		0.50	0.082	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.1		0.50	0.24	ug/L	1		8260B	Total/NA
Trichloroethene	12		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: S-08

Lab Sample ID: 570-36887-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	30		25	12	ug/L	50		8260B	Total/NA
Trichloroethene	1500		25	5.1	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: Raytheon Full Scale/Bldg 684 (Fullerton)

Job ID: 570-36887-1

Client Sample ID: SE-01

Lab Sample ID: 570-36887-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	170		100	48	ug/L	200		8260B	Total/NA
Trichloroethene	5600		100	20	ug/L	200		8260B	Total/NA

Client Sample ID: S-31

Lab Sample ID: 570-36887-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.26	J	0.50	0.10	ug/L	1		8260B	Total/NA
Methylene Chloride	0.11	J	1.0	0.043	ug/L	1		8260B	Total/NA
Methyl-t-Butyl Ether (MTBE)	0.44	J	0.50	0.067	ug/L	1		8260B	Total/NA
Trichloroethene	0.91		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: UA-08D

Lab Sample ID: 570-36887-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.28	J	0.50	0.24	ug/L	1		8260B	Total/NA
Trichloroethene	2.3		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: UA-08

Lab Sample ID: 570-36887-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.70		0.50	0.10	ug/L	1		8260B	Total/NA
Trichloroethene	3.7		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: RB-082620B

Lab Sample ID: 570-36887-24

No Detections.

Client Sample ID: HEW-04

Lab Sample ID: 570-36887-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.2	J	2.0	0.41	ug/L	4		8260B	Total/NA
Tetrachloroethene	1.3	J	2.0	0.97	ug/L	4		8260B	Total/NA
Trichloroethene	91		2.0	0.41	ug/L	4		8260B	Total/NA
1,4-Dioxane	5.8		0.50	0.18	ug/L	1		8270C SIM ID	Total/NA

Client Sample ID: HEW-0400

Lab Sample ID: 570-36887-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.1	J	2.0	0.41	ug/L	4		8260B	Total/NA
Tetrachloroethene	1.5	J	2.0	0.97	ug/L	4		8260B	Total/NA
Trichloroethene	92		2.0	0.41	ug/L	4		8260B	Total/NA
1,4-Dioxane	5.5		0.50	0.18	ug/L	1		8270C SIM ID	Total/NA

Client Sample ID: S-24

Lab Sample ID: 570-36887-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	3.9		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: UA-15D

Lab Sample ID: 570-36887-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.11	J	1.0	0.043	ug/L	1		8260B	Total/NA
Trichloroethene	0.56		0.50	0.10	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 (Fullerton)

Job ID: 570-36887-1

Client Sample ID: AB-02

Lab Sample ID: 570-36887-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.5		2.0	0.43	ug/L	4		8260B	Total/NA
trans-1,2-Dichloroethene	16		2.0	0.33	ug/L	4		8260B	Total/NA
Tetrachloroethene	1.3	J	2.0	0.97	ug/L	4		8260B	Total/NA
Trichloroethene	11		2.0	0.41	ug/L	4		8260B	Total/NA

Client Sample ID: UAX-03

Lab Sample ID: 570-36887-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.55		0.50	0.10	ug/L	1		8260B	Total/NA
Trichloroethene	9.0		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: UAX-02

Lab Sample ID: 570-36887-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	3.8		0.50	0.10	ug/L	1		8260B	Total/NA
Trichloroethene	4.1		0.50	0.10	ug/L	1		8260B	Total/NA
1,4-Dioxane	1.4		0.50	0.18	ug/L	1		8270C SIM ID	Total/NA

Client Sample ID: UAX-0200

Lab Sample ID: 570-36887-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	3.7		0.50	0.10	ug/L	1		8260B	Total/NA
Trichloroethene	4.0		0.50	0.10	ug/L	1		8260B	Total/NA
1,4-Dioxane	1.4		0.50	0.18	ug/L	1		8270C SIM ID	Total/NA

Client Sample ID: SE-04

Lab Sample ID: 570-36887-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.19	J	0.50	0.060	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.38	J	0.50	0.10	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.91		0.50	0.11	ug/L	1		8260B	Total/NA
Methylene Chloride	0.13	J	1.0	0.043	ug/L	1		8260B	Total/NA
Trichloroethene	9.7		0.50	0.10	ug/L	1		8260B	Total/NA
Vinyl chloride	0.19	J	0.50	0.078	ug/L	1		8260B	Total/NA

Client Sample ID: S-07

Lab Sample ID: 570-36887-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.64		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: UA-02

Lab Sample ID: 570-36887-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.2		0.50	0.10	ug/L	1		8260B	Total/NA

Client Sample ID: HEW-03

Lab Sample ID: 570-36887-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.0		2.0	0.97	ug/L	4		8260B	Total/NA
Trichloroethene	91		2.0	0.41	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 (Fullerton)

Job ID: 570-36887-1

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

Client Sample ID: TB-082620
Date Collected: 08/26/20 08:00
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 03:46	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 03:46	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 03:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/06/20 03:46	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 03:46	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 03:46	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/20 03:46	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 03:46	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 03:46	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 03:46	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 03:46	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 03:46	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/06/20 03:46	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 03:46	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 03:46	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 03:46	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 03:46	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 03:46	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 03:46	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 03:46	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 03:46	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 03:46	1
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 03:46	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 03:46	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 03:46	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 03:46	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 03:46	1
Acetone	ND		10	4.0	ug/L			09/06/20 03:46	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 03:46	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 03:46	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 03:46	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 03:46	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 03:46	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 03:46	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 03:46	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 03:46	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 03:46	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 03:46	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 03:46	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 03:46	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 03:46	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 03:46	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 03:46	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 03:46	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 03:46	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 03:46	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 03:46	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 03:46	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 03:46	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: TB-082620
Date Collected: 08/26/20 08:00
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 03:46	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 03:46	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 03:46	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 03:46	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 03:46	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 03:46	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 03:46	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 03:46	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 03:46	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 03:46	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 03:46	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/06/20 03:46	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 03:46	1
Trichloroethene	ND		0.50	0.10	ug/L			09/06/20 03:46	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 03:46	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 03:46	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 03:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		80 - 128		09/06/20 03:46	1
4-Bromofluorobenzene (Surr)	86		68 - 120		09/06/20 03:46	1
Dibromofluoromethane	111		80 - 127		09/06/20 03:46	1
Toluene-d8 (Surr)	100		80 - 120		09/06/20 03:46	1

Client Sample ID: UA-07D
Date Collected: 08/26/20 08:20
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 04:14	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 04:14	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 04:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/06/20 04:14	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 04:14	1
1,1-Dichloroethane	0.47	J	0.50	0.060	ug/L			09/06/20 04:14	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/20 04:14	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 04:14	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 04:14	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 04:14	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 04:14	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 04:14	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/06/20 04:14	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 04:14	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 04:14	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 04:14	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 04:14	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 04:14	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 04:14	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 04:14	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 04:14	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 04:14	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: UA-07D
Date Collected: 08/26/20 08:20
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 04:14	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 04:14	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 04:14	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 04:14	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 04:14	1
Acetone	ND		10	4.0	ug/L			09/06/20 04:14	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 04:14	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 04:14	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 04:14	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 04:14	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 04:14	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 04:14	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 04:14	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 04:14	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 04:14	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 04:14	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 04:14	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 04:14	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 04:14	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 04:14	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 04:14	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 04:14	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 04:14	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 04:14	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 04:14	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 04:14	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 04:14	1
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 04:14	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 04:14	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 04:14	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 04:14	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 04:14	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 04:14	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 04:14	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 04:14	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 04:14	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 04:14	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 04:14	1
Tetrachloroethene	0.96		0.50	0.24	ug/L			09/06/20 04:14	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 04:14	1
Trichloroethene	ND		0.50	0.10	ug/L			09/06/20 04:14	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 04:14	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 04:14	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 04:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		80 - 128		09/06/20 04:14	1
4-Bromofluorobenzene (Surr)	84		68 - 120		09/06/20 04:14	1
Dibromofluoromethane	114		80 - 127		09/06/20 04:14	1
Toluene-d8 (Surr)	103		80 - 120		09/06/20 04:14	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: UA-07
Date Collected: 08/26/20 08:34
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 04:42	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 04:42	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 04:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/06/20 04:42	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 04:42	1
1,1-Dichloroethane	2.4		0.50	0.060	ug/L			09/06/20 04:42	1
1,1-Dichloroethene	0.40	J	0.50	0.10	ug/L			09/06/20 04:42	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 04:42	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 04:42	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 04:42	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 04:42	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 04:42	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/06/20 04:42	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 04:42	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 04:42	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 04:42	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 04:42	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 04:42	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 04:42	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 04:42	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 04:42	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 04:42	1
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 04:42	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 04:42	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 04:42	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 04:42	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 04:42	1
Acetone	ND		10	4.0	ug/L			09/06/20 04:42	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 04:42	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 04:42	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 04:42	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 04:42	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 04:42	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 04:42	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 04:42	1
cis-1,3-Dichloropropane	ND		0.50	0.096	ug/L			09/06/20 04:42	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 04:42	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 04:42	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 04:42	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 04:42	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 04:42	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 04:42	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 04:42	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 04:42	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 04:42	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 04:42	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 04:42	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 04:42	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 04:42	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: UA-07
Date Collected: 08/26/20 08:34
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 04:42	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 04:42	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 04:42	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 04:42	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 04:42	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 04:42	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 04:42	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 04:42	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 04:42	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 04:42	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 04:42	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/06/20 04:42	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 04:42	1
Trichloroethene	2.6		0.50	0.10	ug/L			09/06/20 04:42	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 04:42	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 04:42	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 04:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 128		09/06/20 04:42	1
4-Bromofluorobenzene (Surr)	84		68 - 120		09/06/20 04:42	1
Dibromofluoromethane	113		80 - 127		09/06/20 04:42	1
Toluene-d8 (Surr)	101		80 - 120		09/06/20 04:42	1

Client Sample ID: S-26
Date Collected: 08/26/20 08:45
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 05:09	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 05:09	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 05:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/06/20 05:09	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 05:09	1
1,1-Dichloroethane	0.13	J	0.50	0.060	ug/L			09/06/20 05:09	1
1,1-Dichloroethene	0.50		0.50	0.10	ug/L			09/06/20 05:09	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 05:09	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 05:09	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 05:09	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 05:09	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 05:09	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/06/20 05:09	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 05:09	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 05:09	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 05:09	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 05:09	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 05:09	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 05:09	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 05:09	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 05:09	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 05:09	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: S-26
Date Collected: 08/26/20 08:45
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 05:09	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 05:09	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 05:09	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 05:09	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 05:09	1
Acetone	ND		10	4.0	ug/L			09/06/20 05:09	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 05:09	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 05:09	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 05:09	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 05:09	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 05:09	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 05:09	1
cis-1,2-Dichloroethene	0.13	J	0.50	0.11	ug/L			09/06/20 05:09	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 05:09	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 05:09	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 05:09	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 05:09	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 05:09	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 05:09	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 05:09	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 05:09	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 05:09	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 05:09	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 05:09	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 05:09	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 05:09	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 05:09	1
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 05:09	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 05:09	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 05:09	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 05:09	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 05:09	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 05:09	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 05:09	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 05:09	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 05:09	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 05:09	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 05:09	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/06/20 05:09	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 05:09	1
Trichloroethene	1.0		0.50	0.10	ug/L			09/06/20 05:09	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 05:09	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 05:09	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 05:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		80 - 128		09/06/20 05:09	1
4-Bromofluorobenzene (Surr)	85		68 - 120		09/06/20 05:09	1
Dibromofluoromethane	113		80 - 127		09/06/20 05:09	1
Toluene-d8 (Surr)	101		80 - 120		09/06/20 05:09	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: UA-06D
Date Collected: 08/26/20 08:55
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 05:37	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 05:37	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 05:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/06/20 05:37	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 05:37	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 05:37	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/20 05:37	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 05:37	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 05:37	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 05:37	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 05:37	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 05:37	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/06/20 05:37	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 05:37	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 05:37	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 05:37	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 05:37	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 05:37	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 05:37	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 05:37	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 05:37	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 05:37	1
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 05:37	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 05:37	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 05:37	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 05:37	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 05:37	1
Acetone	ND		10	4.0	ug/L			09/06/20 05:37	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 05:37	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 05:37	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 05:37	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 05:37	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 05:37	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 05:37	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 05:37	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 05:37	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 05:37	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 05:37	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 05:37	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 05:37	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 05:37	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 05:37	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 05:37	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 05:37	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 05:37	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 05:37	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 05:37	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 05:37	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 05:37	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: UA-06D
Date Collected: 08/26/20 08:55
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 05:37	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 05:37	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 05:37	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 05:37	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 05:37	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 05:37	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 05:37	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 05:37	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 05:37	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 05:37	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 05:37	1
Tetrachloroethene	3.5		0.50	0.24	ug/L			09/06/20 05:37	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 05:37	1
Trichloroethene	0.74		0.50	0.10	ug/L			09/06/20 05:37	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 05:37	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 05:37	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 05:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 128		09/06/20 05:37	1
4-Bromofluorobenzene (Surr)	85		68 - 120		09/06/20 05:37	1
Dibromofluoromethane	114		80 - 127		09/06/20 05:37	1
Toluene-d8 (Surr)	103		80 - 120		09/06/20 05:37	1

Client Sample ID: UA-06
Date Collected: 08/26/20 09:06
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 06:05	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 06:05	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 06:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/06/20 06:05	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 06:05	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 06:05	1
1,1-Dichloroethene	0.31	J	0.50	0.10	ug/L			09/06/20 06:05	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 06:05	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 06:05	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 06:05	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 06:05	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 06:05	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/06/20 06:05	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 06:05	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 06:05	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 06:05	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 06:05	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 06:05	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 06:05	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 06:05	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 06:05	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 06:05	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: UA-06
Date Collected: 08/26/20 09:06
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 06:05	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 06:05	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 06:05	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 06:05	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 06:05	1
Acetone	ND		10	4.0	ug/L			09/06/20 06:05	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 06:05	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 06:05	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 06:05	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 06:05	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 06:05	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 06:05	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 06:05	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 06:05	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 06:05	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 06:05	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 06:05	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 06:05	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 06:05	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 06:05	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 06:05	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 06:05	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 06:05	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 06:05	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 06:05	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 06:05	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 06:05	1
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 06:05	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 06:05	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 06:05	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 06:05	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 06:05	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 06:05	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 06:05	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 06:05	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 06:05	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 06:05	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 06:05	1
Tetrachloroethene	2.1		0.50	0.24	ug/L			09/06/20 06:05	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 06:05	1
Trichloroethene	4.7		0.50	0.10	ug/L			09/06/20 06:05	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 06:05	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 06:05	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 06:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		80 - 128		09/06/20 06:05	1
4-Bromofluorobenzene (Surr)	86		68 - 120		09/06/20 06:05	1
Dibromofluoromethane	115		80 - 127		09/06/20 06:05	1
Toluene-d8 (Surr)	103		80 - 120		09/06/20 06:05	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: AB-01
Date Collected: 08/26/20 09:15
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 21:41	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 21:41	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 21:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/06/20 21:41	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 21:41	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 21:41	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/20 21:41	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 21:41	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 21:41	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 21:41	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 21:41	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 21:41	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/06/20 21:41	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 21:41	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 21:41	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 21:41	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 21:41	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 21:41	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 21:41	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 21:41	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 21:41	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 21:41	1
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 21:41	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 21:41	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 21:41	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 21:41	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 21:41	1
Acetone	ND		10	4.0	ug/L			09/06/20 21:41	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 21:41	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 21:41	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 21:41	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 21:41	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 21:41	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 21:41	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 21:41	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 21:41	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 21:41	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 21:41	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 21:41	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 21:41	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 21:41	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 21:41	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 21:41	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 21:41	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 21:41	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 21:41	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 21:41	1
Methylene Chloride	0.13	J	1.0	0.043	ug/L			09/06/20 21:41	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 21:41	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: AB-01
Date Collected: 08/26/20 09:15
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 21:41	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 21:41	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 21:41	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 21:41	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 21:41	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 21:41	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 21:41	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 21:41	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 21:41	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 21:41	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 21:41	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/06/20 21:41	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 21:41	1
Trichloroethene	ND		0.50	0.10	ug/L			09/06/20 21:41	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 21:41	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 21:41	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 128		09/06/20 21:41	1
4-Bromofluorobenzene (Surr)	82		68 - 120		09/06/20 21:41	1
Dibromofluoromethane	109		80 - 127		09/06/20 21:41	1
Toluene-d8 (Surr)	100		80 - 120		09/06/20 21:41	1

Client Sample ID: AB-0100
Date Collected: 08/26/20 09:20
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 22:09	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 22:09	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 22:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/06/20 22:09	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 22:09	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 22:09	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/20 22:09	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 22:09	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 22:09	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 22:09	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 22:09	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 22:09	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/06/20 22:09	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 22:09	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 22:09	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 22:09	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 22:09	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 22:09	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 22:09	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 22:09	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 22:09	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 22:09	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: AB-0100
Date Collected: 08/26/20 09:20
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 22:09	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 22:09	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 22:09	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 22:09	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 22:09	1
Acetone	ND		10	4.0	ug/L			09/06/20 22:09	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 22:09	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 22:09	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 22:09	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 22:09	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 22:09	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 22:09	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 22:09	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 22:09	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 22:09	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 22:09	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 22:09	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 22:09	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 22:09	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 22:09	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 22:09	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 22:09	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 22:09	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 22:09	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 22:09	1
Methylene Chloride	0.16	J	1.0	0.043	ug/L			09/06/20 22:09	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 22:09	1
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 22:09	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 22:09	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 22:09	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 22:09	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 22:09	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 22:09	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 22:09	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 22:09	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 22:09	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 22:09	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 22:09	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/06/20 22:09	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 22:09	1
Trichloroethene	ND		0.50	0.10	ug/L			09/06/20 22:09	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 22:09	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 22:09	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 22:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		80 - 128		09/06/20 22:09	1
4-Bromofluorobenzene (Surr)	84		68 - 120		09/06/20 22:09	1
Dibromofluoromethane	116		80 - 127		09/06/20 22:09	1
Toluene-d8 (Surr)	104		80 - 120		09/06/20 22:09	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: RB-082620A
Date Collected: 08/26/20 09:25
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 06:33	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 06:33	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 06:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/06/20 06:33	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 06:33	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 06:33	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/20 06:33	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 06:33	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 06:33	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 06:33	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 06:33	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 06:33	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/06/20 06:33	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 06:33	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 06:33	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 06:33	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 06:33	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 06:33	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 06:33	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 06:33	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 06:33	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 06:33	1
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 06:33	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 06:33	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 06:33	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 06:33	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 06:33	1
Acetone	ND		10	4.0	ug/L			09/06/20 06:33	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 06:33	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 06:33	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 06:33	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 06:33	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 06:33	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 06:33	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 06:33	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 06:33	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 06:33	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 06:33	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 06:33	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 06:33	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 06:33	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 06:33	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 06:33	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 06:33	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 06:33	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 06:33	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 06:33	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 06:33	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 06:33	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: RB-082620A
Date Collected: 08/26/20 09:25
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 06:33	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 06:33	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 06:33	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 06:33	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 06:33	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 06:33	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 06:33	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 06:33	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 06:33	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 06:33	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 06:33	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/06/20 06:33	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 06:33	1
Trichloroethene	ND		0.50	0.10	ug/L			09/06/20 06:33	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 06:33	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 06:33	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 06:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 128		09/06/20 06:33	1
4-Bromofluorobenzene (Surr)	86		68 - 120		09/06/20 06:33	1
Dibromofluoromethane	114		80 - 127		09/06/20 06:33	1
Toluene-d8 (Surr)	102		80 - 120		09/06/20 06:33	1

Client Sample ID: LAX-02
Date Collected: 08/26/20 09:40
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 07:01	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 07:01	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 07:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/06/20 07:01	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 07:01	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 07:01	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/20 07:01	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 07:01	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 07:01	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 07:01	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 07:01	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 07:01	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/06/20 07:01	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 07:01	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 07:01	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 07:01	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 07:01	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 07:01	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 07:01	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 07:01	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 07:01	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 07:01	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: LAX-02
Date Collected: 08/26/20 09:40
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 07:01	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 07:01	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 07:01	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 07:01	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 07:01	1
Acetone	ND		10	4.0	ug/L			09/06/20 07:01	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 07:01	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 07:01	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 07:01	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 07:01	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 07:01	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 07:01	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 07:01	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 07:01	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 07:01	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 07:01	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 07:01	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 07:01	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 07:01	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 07:01	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 07:01	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 07:01	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 07:01	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 07:01	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 07:01	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 07:01	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 07:01	1
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 07:01	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 07:01	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 07:01	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 07:01	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 07:01	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 07:01	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 07:01	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 07:01	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 07:01	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 07:01	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 07:01	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/06/20 07:01	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 07:01	1
Trichloroethene	ND		0.50	0.10	ug/L			09/06/20 07:01	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 07:01	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 07:01	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 07:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		80 - 128		09/06/20 07:01	1
4-Bromofluorobenzene (Surr)	85		68 - 120		09/06/20 07:01	1
Dibromofluoromethane	118		80 - 127		09/06/20 07:01	1
Toluene-d8 (Surr)	104		80 - 120		09/06/20 07:01	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: S-14
Date Collected: 08/26/20 09:56
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-11
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 07:29	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 07:29	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 07:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/06/20 07:29	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 07:29	1
1,1-Dichloroethane	0.29	J	0.50	0.060	ug/L			09/06/20 07:29	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/20 07:29	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 07:29	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 07:29	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 07:29	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 07:29	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 07:29	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/06/20 07:29	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 07:29	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 07:29	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 07:29	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 07:29	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 07:29	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 07:29	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 07:29	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 07:29	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 07:29	1
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 07:29	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 07:29	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 07:29	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 07:29	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 07:29	1
Acetone	ND		10	4.0	ug/L			09/06/20 07:29	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 07:29	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 07:29	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 07:29	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 07:29	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 07:29	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 07:29	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 07:29	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 07:29	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 07:29	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 07:29	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 07:29	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 07:29	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 07:29	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 07:29	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 07:29	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 07:29	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 07:29	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 07:29	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 07:29	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 07:29	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 07:29	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: S-14
Date Collected: 08/26/20 09:56
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-11
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 07:29	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 07:29	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 07:29	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 07:29	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 07:29	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 07:29	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 07:29	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 07:29	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 07:29	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 07:29	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 07:29	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/06/20 07:29	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 07:29	1
Trichloroethene	1.1		0.50	0.10	ug/L			09/06/20 07:29	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 07:29	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 07:29	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 07:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		80 - 128		09/06/20 07:29	1
4-Bromofluorobenzene (Surr)	82		68 - 120		09/06/20 07:29	1
Dibromofluoromethane	116		80 - 127		09/06/20 07:29	1
Toluene-d8 (Surr)	102		80 - 120		09/06/20 07:29	1

Client Sample ID: LAX-03
Date Collected: 08/26/20 10:14
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 07:56	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 07:56	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 07:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/06/20 07:56	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 07:56	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 07:56	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/20 07:56	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 07:56	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 07:56	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 07:56	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 07:56	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 07:56	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/06/20 07:56	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 07:56	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 07:56	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 07:56	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 07:56	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 07:56	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 07:56	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 07:56	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 07:56	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 07:56	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: LAX-03
Date Collected: 08/26/20 10:14
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 07:56	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 07:56	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 07:56	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 07:56	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 07:56	1
Acetone	ND		10	4.0	ug/L			09/06/20 07:56	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 07:56	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 07:56	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 07:56	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 07:56	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 07:56	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 07:56	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 07:56	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 07:56	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 07:56	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 07:56	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 07:56	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 07:56	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 07:56	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 07:56	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 07:56	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 07:56	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 07:56	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 07:56	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 07:56	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 07:56	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 07:56	1
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 07:56	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 07:56	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 07:56	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 07:56	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 07:56	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 07:56	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 07:56	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 07:56	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 07:56	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 07:56	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 07:56	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/06/20 07:56	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 07:56	1
Trichloroethene	0.38	J	0.50	0.10	ug/L			09/06/20 07:56	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 07:56	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 07:56	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 07:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		80 - 128		09/06/20 07:56	1
4-Bromofluorobenzene (Surr)	83		68 - 120		09/06/20 07:56	1
Dibromofluoromethane	114		80 - 127		09/06/20 07:56	1
Toluene-d8 (Surr)	102		80 - 120		09/06/20 07:56	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: S-29
Date Collected: 08/26/20 10:40
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 08:24	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 08:24	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 08:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/06/20 08:24	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 08:24	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 08:24	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/20 08:24	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 08:24	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 08:24	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 08:24	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 08:24	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 08:24	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/06/20 08:24	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 08:24	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 08:24	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 08:24	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 08:24	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 08:24	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 08:24	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 08:24	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 08:24	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 08:24	1
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 08:24	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 08:24	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 08:24	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 08:24	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 08:24	1
Acetone	ND		10	4.0	ug/L			09/06/20 08:24	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 08:24	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 08:24	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 08:24	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 08:24	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 08:24	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 08:24	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 08:24	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 08:24	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 08:24	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 08:24	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 08:24	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 08:24	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 08:24	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 08:24	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 08:24	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 08:24	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 08:24	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 08:24	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 08:24	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 08:24	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 08:24	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: S-29
Date Collected: 08/26/20 10:40
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-13
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 08:24	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 08:24	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 08:24	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 08:24	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 08:24	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 08:24	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 08:24	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 08:24	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 08:24	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 08:24	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 08:24	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/06/20 08:24	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 08:24	1
Trichloroethene	ND		0.50	0.10	ug/L			09/06/20 08:24	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 08:24	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 08:24	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 08:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		80 - 128		09/06/20 08:24	1
4-Bromofluorobenzene (Surr)	83		68 - 120		09/06/20 08:24	1
Dibromofluoromethane	112		80 - 127		09/06/20 08:24	1
Toluene-d8 (Surr)	101		80 - 120		09/06/20 08:24	1

Client Sample ID: UA-12D
Date Collected: 08/26/20 10:50
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-14
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 08:52	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 08:52	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 08:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/06/20 08:52	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 08:52	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 08:52	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/20 08:52	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 08:52	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 08:52	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 08:52	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 08:52	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 08:52	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/06/20 08:52	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 08:52	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 08:52	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 08:52	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 08:52	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 08:52	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 08:52	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 08:52	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 08:52	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 08:52	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: UA-12D
Date Collected: 08/26/20 10:50
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-14
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 08:52	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 08:52	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 08:52	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 08:52	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 08:52	1
Acetone	ND		10	4.0	ug/L			09/06/20 08:52	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 08:52	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 08:52	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 08:52	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 08:52	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 08:52	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 08:52	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 08:52	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 08:52	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 08:52	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 08:52	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 08:52	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 08:52	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 08:52	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 08:52	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 08:52	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 08:52	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 08:52	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 08:52	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 08:52	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 08:52	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 08:52	1
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 08:52	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 08:52	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 08:52	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 08:52	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 08:52	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 08:52	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 08:52	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 08:52	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 08:52	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 08:52	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 08:52	1
Tetrachloroethene	0.59		0.50	0.24	ug/L			09/06/20 08:52	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 08:52	1
Trichloroethene	ND		0.50	0.10	ug/L			09/06/20 08:52	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 08:52	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 08:52	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 08:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 128		09/06/20 08:52	1
4-Bromofluorobenzene (Surr)	82		68 - 120		09/06/20 08:52	1
Dibromofluoromethane	117		80 - 127		09/06/20 08:52	1
Toluene-d8 (Surr)	101		80 - 120		09/06/20 08:52	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: UA-12
Date Collected: 08/26/20 11:00
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-15
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 09:19	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 09:19	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 09:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/06/20 09:19	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 09:19	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 09:19	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/20 09:19	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 09:19	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 09:19	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 09:19	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 09:19	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 09:19	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/06/20 09:19	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 09:19	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 09:19	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 09:19	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 09:19	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 09:19	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 09:19	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 09:19	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 09:19	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 09:19	1
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 09:19	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 09:19	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 09:19	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 09:19	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 09:19	1
Acetone	ND		10	4.0	ug/L			09/06/20 09:19	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 09:19	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 09:19	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 09:19	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 09:19	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 09:19	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 09:19	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 09:19	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 09:19	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 09:19	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 09:19	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 09:19	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 09:19	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 09:19	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 09:19	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 09:19	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 09:19	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 09:19	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 09:19	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 09:19	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 09:19	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 09:19	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: UA-12
Date Collected: 08/26/20 11:00
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-15
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 09:19	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 09:19	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 09:19	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 09:19	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 09:19	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 09:19	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 09:19	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 09:19	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 09:19	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 09:19	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 09:19	1
Tetrachloroethene	0.65		0.50	0.24	ug/L			09/06/20 09:19	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 09:19	1
Trichloroethene	2.2		0.50	0.10	ug/L			09/06/20 09:19	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 09:19	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 09:19	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 09:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		80 - 128		09/06/20 09:19	1
4-Bromofluorobenzene (Surr)	80		68 - 120		09/06/20 09:19	1
Dibromofluoromethane	115		80 - 127		09/06/20 09:19	1
Toluene-d8 (Surr)	104		80 - 120		09/06/20 09:19	1

Client Sample ID: AB-06
Date Collected: 08/26/20 12:38
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-16
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 22:37	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 22:37	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 22:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/06/20 22:37	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 22:37	1
1,1-Dichloroethane	0.087	J	0.50	0.060	ug/L			09/06/20 22:37	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/20 22:37	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 22:37	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 22:37	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 22:37	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 22:37	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 22:37	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/06/20 22:37	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 22:37	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 22:37	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 22:37	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 22:37	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 22:37	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 22:37	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 22:37	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 22:37	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 22:37	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: AB-06
Date Collected: 08/26/20 12:38
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-16
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 22:37	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 22:37	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 22:37	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 22:37	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 22:37	1
Acetone	7.6	J	10	4.0	ug/L			09/06/20 22:37	1
Benzene	0.13	J	0.50	0.072	ug/L			09/06/20 22:37	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 22:37	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 22:37	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 22:37	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 22:37	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 22:37	1
cis-1,2-Dichloroethene	2.7		0.50	0.11	ug/L			09/06/20 22:37	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 22:37	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 22:37	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 22:37	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 22:37	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 22:37	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 22:37	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 22:37	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 22:37	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 22:37	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 22:37	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 22:37	1
Isopropylbenzene	0.30	J	0.50	0.077	ug/L			09/06/20 22:37	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 22:37	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 22:37	1
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 22:37	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 22:37	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 22:37	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 22:37	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 22:37	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 22:37	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 22:37	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 22:37	1
trans-1,2-Dichloroethene	0.34	J	0.50	0.082	ug/L			09/06/20 22:37	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 22:37	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 22:37	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/06/20 22:37	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 22:37	1
Trichloroethene	ND		0.50	0.10	ug/L			09/06/20 22:37	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 22:37	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 22:37	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 22:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 128		09/06/20 22:37	1
4-Bromofluorobenzene (Surr)	87		68 - 120		09/06/20 22:37	1
Dibromofluoromethane	112		80 - 127		09/06/20 22:37	1
Toluene-d8 (Surr)	101		80 - 120		09/06/20 22:37	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: UA-10D
Date Collected: 08/26/20 12:50
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-17
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 09:47	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 09:47	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 09:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/06/20 09:47	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 09:47	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 09:47	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/20 09:47	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 09:47	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 09:47	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 09:47	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 09:47	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 09:47	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/06/20 09:47	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 09:47	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 09:47	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 09:47	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 09:47	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 09:47	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 09:47	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 09:47	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 09:47	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 09:47	1
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 09:47	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 09:47	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 09:47	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 09:47	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 09:47	1
Acetone	ND		10	4.0	ug/L			09/06/20 09:47	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 09:47	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 09:47	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 09:47	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 09:47	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 09:47	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 09:47	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 09:47	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 09:47	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 09:47	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 09:47	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 09:47	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 09:47	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 09:47	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 09:47	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 09:47	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 09:47	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 09:47	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 09:47	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 09:47	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 09:47	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 09:47	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: UA-10D
Date Collected: 08/26/20 12:50
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-17
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 09:47	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 09:47	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 09:47	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 09:47	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 09:47	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 09:47	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 09:47	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 09:47	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 09:47	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 09:47	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 09:47	1
Tetrachloroethene	8.7		0.50	0.24	ug/L			09/06/20 09:47	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 09:47	1
Trichloroethene	ND		0.50	0.10	ug/L			09/06/20 09:47	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 09:47	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 09:47	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 09:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		80 - 128		09/06/20 09:47	1
4-Bromofluorobenzene (Surr)	83		68 - 120		09/06/20 09:47	1
Dibromofluoromethane	116		80 - 127		09/06/20 09:47	1
Toluene-d8 (Surr)	102		80 - 120		09/06/20 09:47	1

Client Sample ID: UB-04
Date Collected: 08/26/20 12:55
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-18
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 23:05	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 23:05	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 23:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/06/20 23:05	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 23:05	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 23:05	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/20 23:05	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 23:05	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 23:05	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 23:05	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 23:05	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 23:05	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/06/20 23:05	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 23:05	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 23:05	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 23:05	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 23:05	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 23:05	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 23:05	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 23:05	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 23:05	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 23:05	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: UB-04
Date Collected: 08/26/20 12:55
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-18
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 23:05	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 23:05	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 23:05	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 23:05	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 23:05	1
Acetone	ND		10	4.0	ug/L			09/06/20 23:05	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 23:05	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 23:05	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 23:05	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 23:05	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 23:05	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 23:05	1
cis-1,2-Dichloroethene	1.5		0.50	0.11	ug/L			09/06/20 23:05	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 23:05	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 23:05	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 23:05	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 23:05	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 23:05	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 23:05	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 23:05	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 23:05	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 23:05	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 23:05	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 23:05	1
Isopropylbenzene	0.26	J	0.50	0.077	ug/L			09/06/20 23:05	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 23:05	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 23:05	1
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 23:05	1
n-Butylbenzene	0.21	J	0.50	0.11	ug/L			09/06/20 23:05	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 23:05	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 23:05	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 23:05	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 23:05	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 23:05	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 23:05	1
trans-1,2-Dichloroethene	3.1		0.50	0.082	ug/L			09/06/20 23:05	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 23:05	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 23:05	1
Tetrachloroethene	1.1		0.50	0.24	ug/L			09/06/20 23:05	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 23:05	1
Trichloroethene	12		0.50	0.10	ug/L			09/06/20 23:05	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 23:05	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 23:05	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 23:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 128		09/06/20 23:05	1
4-Bromofluorobenzene (Surr)	83		68 - 120		09/06/20 23:05	1
Dibromofluoromethane	114		80 - 127		09/06/20 23:05	1
Toluene-d8 (Surr)	103		80 - 120		09/06/20 23:05	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: S-08
Date Collected: 08/26/20 13:26
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-19
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		25	3.5	ug/L			09/06/20 12:06	50
1,1,1-Trichloroethane	ND		25	4.2	ug/L			09/06/20 12:06	50
1,1,2,2-Tetrachloroethane	ND		25	4.3	ug/L			09/06/20 12:06	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25	6.3	ug/L			09/06/20 12:06	50
1,1,2-Trichloroethane	ND		25	3.5	ug/L			09/06/20 12:06	50
1,1-Dichloroethane	ND		25	3.0	ug/L			09/06/20 12:06	50
1,1-Dichloroethene	ND		25	5.1	ug/L			09/06/20 12:06	50
1,1-Dichloropropene	ND		25	3.5	ug/L			09/06/20 12:06	50
1,2,3-Trichlorobenzene	ND		25	5.9	ug/L			09/06/20 12:06	50
1,2,3-Trichloropropane	ND		50	3.8	ug/L			09/06/20 12:06	50
1,2,4-Trichlorobenzene	ND		25	4.5	ug/L			09/06/20 12:06	50
1,2,4-Trimethylbenzene	ND		25	3.4	ug/L			09/06/20 12:06	50
1,2-Dibromo-3-Chloropropane	ND		250	26	ug/L			09/06/20 12:06	50
1,2-Dibromoethane	ND		25	3.0	ug/L			09/06/20 12:06	50
1,2-Dichlorobenzene	ND		25	4.1	ug/L			09/06/20 12:06	50
1,2-Dichloroethane	ND		25	3.7	ug/L			09/06/20 12:06	50
1,2-Dichloropropane	ND		25	4.9	ug/L			09/06/20 12:06	50
1,3,5-Trimethylbenzene	ND		25	3.9	ug/L			09/06/20 12:06	50
1,3-Dichlorobenzene	ND		25	4.9	ug/L			09/06/20 12:06	50
1,3-Dichloropropane	ND		50	4.1	ug/L			09/06/20 12:06	50
1,4-Dichlorobenzene	ND		25	3.7	ug/L			09/06/20 12:06	50
2,2-Dichloropropane	ND		50	19	ug/L			09/06/20 12:06	50
2-Butanone	ND		250	23	ug/L			09/06/20 12:06	50
2-Chlorotoluene	ND		25	2.9	ug/L			09/06/20 12:06	50
2-Hexanone	ND		500	25	ug/L			09/06/20 12:06	50
4-Chlorotoluene	ND		25	4.6	ug/L			09/06/20 12:06	50
4-Methyl-2-pentanone	ND		250	21	ug/L			09/06/20 12:06	50
Acetone	ND		500	200	ug/L			09/06/20 12:06	50
Benzene	ND		25	3.6	ug/L			09/06/20 12:06	50
Bromobenzene	ND		25	3.1	ug/L			09/06/20 12:06	50
Bromochloromethane	ND		50	4.1	ug/L			09/06/20 12:06	50
Bromodichloromethane	ND		25	2.6	ug/L			09/06/20 12:06	50
Bromoform	ND		25	4.8	ug/L			09/06/20 12:06	50
Bromomethane	ND		100	50	ug/L			09/06/20 12:06	50
cis-1,2-Dichloroethene	ND		25	5.4	ug/L			09/06/20 12:06	50
cis-1,3-Dichloropropene	ND		25	4.8	ug/L			09/06/20 12:06	50
Carbon disulfide	ND		500	19	ug/L			09/06/20 12:06	50
Carbon tetrachloride	ND		25	2.8	ug/L			09/06/20 12:06	50
Chlorobenzene	ND		25	4.4	ug/L			09/06/20 12:06	50
Chloroethane	ND		25	5.9	ug/L			09/06/20 12:06	50
Chloroform	ND		25	3.1	ug/L			09/06/20 12:06	50
Chloromethane	ND		250	98	ug/L			09/06/20 12:06	50
Dibromochloromethane	ND		25	3.2	ug/L			09/06/20 12:06	50
Dibromomethane	ND		25	6.3	ug/L			09/06/20 12:06	50
Dichlorodifluoromethane	ND		50	5.0	ug/L			09/06/20 12:06	50
Ethylbenzene	ND		25	4.4	ug/L			09/06/20 12:06	50
Isopropylbenzene	ND		25	3.8	ug/L			09/06/20 12:06	50
Methylene Chloride	ND		50	2.1	ug/L			09/06/20 12:06	50
Methyl-t-Butyl Ether (MTBE)	ND		25	3.3	ug/L			09/06/20 12:06	50

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: S-08
Date Collected: 08/26/20 13:26
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-19
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		50	4.8	ug/L			09/06/20 12:06	50
n-Butylbenzene	ND		25	5.4	ug/L			09/06/20 12:06	50
N-Propylbenzene	ND		25	3.8	ug/L			09/06/20 12:06	50
o-Xylene	ND		25	4.3	ug/L			09/06/20 12:06	50
m,p-Xylene	ND		50	7.4	ug/L			09/06/20 12:06	50
p-Isopropyltoluene	ND		25	3.7	ug/L			09/06/20 12:06	50
sec-Butylbenzene	ND		25	4.8	ug/L			09/06/20 12:06	50
Styrene	ND		25	2.9	ug/L			09/06/20 12:06	50
trans-1,2-Dichloroethene	ND		25	4.1	ug/L			09/06/20 12:06	50
trans-1,3-Dichloropropene	ND		25	2.7	ug/L			09/06/20 12:06	50
tert-Butylbenzene	ND		25	4.1	ug/L			09/06/20 12:06	50
Tetrachloroethene	30		25	12	ug/L			09/06/20 12:06	50
Toluene	ND		25	4.6	ug/L			09/06/20 12:06	50
Trichloroethene	1500		25	5.1	ug/L			09/06/20 12:06	50
Trichlorofluoromethane	ND		25	5.2	ug/L			09/06/20 12:06	50
Vinyl acetate	ND		250	35	ug/L			09/06/20 12:06	50
Vinyl chloride	ND		25	3.9	ug/L			09/06/20 12:06	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	126		80 - 128		09/06/20 12:06	50
4-Bromofluorobenzene (Surr)	83		68 - 120		09/06/20 12:06	50
Dibromofluoromethane	115		80 - 127		09/06/20 12:06	50
Toluene-d8 (Surr)	103		80 - 120		09/06/20 12:06	50

Client Sample ID: SE-01
Date Collected: 08/26/20 13:33
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-20
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		100	14	ug/L			09/06/20 06:32	200
1,1,1-Trichloroethane	ND		100	17	ug/L			09/06/20 06:32	200
1,1,2,2-Tetrachloroethane	ND		100	17	ug/L			09/06/20 06:32	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	100	25	ug/L			09/06/20 06:32	200
1,1,2-Trichloroethane	ND		100	14	ug/L			09/06/20 06:32	200
1,1-Dichloroethane	ND		100	12	ug/L			09/06/20 06:32	200
1,1-Dichloroethene	ND		100	21	ug/L			09/06/20 06:32	200
1,1-Dichloropropene	ND		100	14	ug/L			09/06/20 06:32	200
1,2,3-Trichlorobenzene	ND		100	24	ug/L			09/06/20 06:32	200
1,2,3-Trichloropropane	ND		200	15	ug/L			09/06/20 06:32	200
1,2,4-Trichlorobenzene	ND		100	18	ug/L			09/06/20 06:32	200
1,2,4-Trimethylbenzene	ND		100	14	ug/L			09/06/20 06:32	200
1,2-Dibromo-3-Chloropropane	ND	*	1000	100	ug/L			09/06/20 06:32	200
1,2-Dibromoethane	ND		100	12	ug/L			09/06/20 06:32	200
1,2-Dichlorobenzene	ND		100	16	ug/L			09/06/20 06:32	200
1,2-Dichloroethane	ND		100	15	ug/L			09/06/20 06:32	200
1,2-Dichloropropane	ND		100	20	ug/L			09/06/20 06:32	200
1,3,5-Trimethylbenzene	ND		100	16	ug/L			09/06/20 06:32	200
1,3-Dichlorobenzene	ND		100	20	ug/L			09/06/20 06:32	200
1,3-Dichloropropane	ND		200	16	ug/L			09/06/20 06:32	200
1,4-Dichlorobenzene	ND		100	15	ug/L			09/06/20 06:32	200
2,2-Dichloropropane	ND		200	75	ug/L			09/06/20 06:32	200

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: SE-01
Date Collected: 08/26/20 13:33
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-20
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		1000	92	ug/L			09/06/20 06:32	200
2-Chlorotoluene	ND		100	12	ug/L			09/06/20 06:32	200
2-Hexanone	ND		2000	100	ug/L			09/06/20 06:32	200
4-Chlorotoluene	ND		100	18	ug/L			09/06/20 06:32	200
4-Methyl-2-pentanone	ND		1000	83	ug/L			09/06/20 06:32	200
Acetone	ND		2000	800	ug/L			09/06/20 06:32	200
Benzene	ND		100	14	ug/L			09/06/20 06:32	200
Bromobenzene	ND		100	12	ug/L			09/06/20 06:32	200
Bromochloromethane	ND		200	16	ug/L			09/06/20 06:32	200
Bromodichloromethane	ND		100	11	ug/L			09/06/20 06:32	200
Bromoform	ND		100	19	ug/L			09/06/20 06:32	200
Bromomethane	ND		400	200	ug/L			09/06/20 06:32	200
cis-1,2-Dichloroethene	ND		100	22	ug/L			09/06/20 06:32	200
cis-1,3-Dichloropropene	ND		100	19	ug/L			09/06/20 06:32	200
Carbon disulfide	ND		2000	77	ug/L			09/06/20 06:32	200
Carbon tetrachloride	ND		100	11	ug/L			09/06/20 06:32	200
Chlorobenzene	ND		100	18	ug/L			09/06/20 06:32	200
Chloroethane	ND		100	23	ug/L			09/06/20 06:32	200
Chloroform	ND		100	12	ug/L			09/06/20 06:32	200
Chloromethane	ND		1000	390	ug/L			09/06/20 06:32	200
Dibromochloromethane	ND		100	13	ug/L			09/06/20 06:32	200
Dibromomethane	ND		100	25	ug/L			09/06/20 06:32	200
Dichlorodifluoromethane	ND		200	20	ug/L			09/06/20 06:32	200
Ethylbenzene	ND		100	17	ug/L			09/06/20 06:32	200
Isopropylbenzene	ND		100	15	ug/L			09/06/20 06:32	200
Methylene Chloride	ND		200	8.5	ug/L			09/06/20 06:32	200
Methyl-t-Butyl Ether (MTBE)	ND		100	13	ug/L			09/06/20 06:32	200
Naphthalene	ND		200	19	ug/L			09/06/20 06:32	200
n-Butylbenzene	ND		100	22	ug/L			09/06/20 06:32	200
N-Propylbenzene	ND		100	15	ug/L			09/06/20 06:32	200
o-Xylene	ND		100	17	ug/L			09/06/20 06:32	200
m,p-Xylene	ND		200	30	ug/L			09/06/20 06:32	200
p-Isopropyltoluene	ND		100	15	ug/L			09/06/20 06:32	200
sec-Butylbenzene	ND		100	19	ug/L			09/06/20 06:32	200
Styrene	ND		100	12	ug/L			09/06/20 06:32	200
trans-1,2-Dichloroethene	ND		100	16	ug/L			09/06/20 06:32	200
trans-1,3-Dichloropropene	ND		100	11	ug/L			09/06/20 06:32	200
tert-Butylbenzene	ND		100	16	ug/L			09/06/20 06:32	200
Tetrachloroethene	170		100	48	ug/L			09/06/20 06:32	200
Toluene	ND		100	19	ug/L			09/06/20 06:32	200
Trichloroethene	5600		100	20	ug/L			09/06/20 06:32	200
Trichlorofluoromethane	ND		100	21	ug/L			09/06/20 06:32	200
Vinyl acetate	ND		1000	140	ug/L			09/06/20 06:32	200
Vinyl chloride	ND		100	16	ug/L			09/06/20 06:32	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		80 - 128		09/06/20 06:32	200
4-Bromofluorobenzene (Surr)	90		68 - 120		09/06/20 06:32	200
Dibromofluoromethane	97		80 - 127		09/06/20 06:32	200
Toluene-d8 (Surr)	99		80 - 120		09/06/20 06:32	200

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: S-31
Date Collected: 08/26/20 08:08
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-21
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 01:00	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 01:00	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 01:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	0.50	0.13	ug/L			09/06/20 01:00	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 01:00	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 01:00	1
1,1-Dichloroethene	0.26	J	0.50	0.10	ug/L			09/06/20 01:00	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 01:00	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 01:00	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 01:00	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 01:00	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 01:00	1
1,2-Dibromo-3-Chloropropane	ND	*	5.0	0.51	ug/L			09/06/20 01:00	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 01:00	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 01:00	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 01:00	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 01:00	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 01:00	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 01:00	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 01:00	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 01:00	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 01:00	1
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 01:00	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 01:00	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 01:00	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 01:00	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 01:00	1
Acetone	ND		10	4.0	ug/L			09/06/20 01:00	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 01:00	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 01:00	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 01:00	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 01:00	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 01:00	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 01:00	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 01:00	1
cis-1,3-Dichloropropane	ND		0.50	0.096	ug/L			09/06/20 01:00	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 01:00	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 01:00	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 01:00	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 01:00	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 01:00	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 01:00	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 01:00	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 01:00	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 01:00	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 01:00	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 01:00	1
Methylene Chloride	0.11	J	1.0	0.043	ug/L			09/06/20 01:00	1
Methyl-t-Butyl Ether (MTBE)	0.44	J	0.50	0.067	ug/L			09/06/20 01:00	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: S-31
Date Collected: 08/26/20 08:08
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-21
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 01:00	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 01:00	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 01:00	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 01:00	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 01:00	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 01:00	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 01:00	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 01:00	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 01:00	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 01:00	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 01:00	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/06/20 01:00	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 01:00	1
Trichloroethene	0.91		0.50	0.10	ug/L			09/06/20 01:00	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 01:00	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 01:00	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 01:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 128		09/06/20 01:00	1
4-Bromofluorobenzene (Surr)	93		68 - 120		09/06/20 01:00	1
Dibromofluoromethane	98		80 - 127		09/06/20 01:00	1
Toluene-d8 (Surr)	100		80 - 120		09/06/20 01:00	1

Client Sample ID: UA-08D
Date Collected: 08/26/20 08:22
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-22
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 01:25	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 01:25	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 01:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	0.50	0.13	ug/L			09/06/20 01:25	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 01:25	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 01:25	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/20 01:25	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 01:25	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 01:25	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 01:25	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 01:25	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 01:25	1
1,2-Dibromo-3-Chloropropane	ND	*	5.0	0.51	ug/L			09/06/20 01:25	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 01:25	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 01:25	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 01:25	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 01:25	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 01:25	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 01:25	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 01:25	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 01:25	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 01:25	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: UA-08D
Date Collected: 08/26/20 08:22
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-22
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 01:25	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 01:25	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 01:25	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 01:25	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 01:25	1
Acetone	ND		10	4.0	ug/L			09/06/20 01:25	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 01:25	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 01:25	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 01:25	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 01:25	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 01:25	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 01:25	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 01:25	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 01:25	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 01:25	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 01:25	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 01:25	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 01:25	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 01:25	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 01:25	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 01:25	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 01:25	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 01:25	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 01:25	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 01:25	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 01:25	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 01:25	1
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 01:25	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 01:25	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 01:25	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 01:25	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 01:25	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 01:25	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 01:25	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 01:25	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 01:25	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 01:25	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 01:25	1
Tetrachloroethene	0.28	J	0.50	0.24	ug/L			09/06/20 01:25	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 01:25	1
Trichloroethene	2.3		0.50	0.10	ug/L			09/06/20 01:25	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 01:25	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 01:25	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 01:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 128		09/06/20 01:25	1
4-Bromofluorobenzene (Surr)	91		68 - 120		09/06/20 01:25	1
Dibromofluoromethane	97		80 - 127		09/06/20 01:25	1
Toluene-d8 (Surr)	98		80 - 120		09/06/20 01:25	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: UA-08
Date Collected: 08/26/20 08:35
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-23
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 01:51	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 01:51	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 01:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	0.50	0.13	ug/L			09/06/20 01:51	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 01:51	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 01:51	1
1,1-Dichloroethene	0.70		0.50	0.10	ug/L			09/06/20 01:51	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 01:51	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 01:51	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 01:51	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 01:51	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 01:51	1
1,2-Dibromo-3-Chloropropane	ND	*	5.0	0.51	ug/L			09/06/20 01:51	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 01:51	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 01:51	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 01:51	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 01:51	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 01:51	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 01:51	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 01:51	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 01:51	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 01:51	1
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 01:51	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 01:51	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 01:51	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 01:51	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 01:51	1
Acetone	ND		10	4.0	ug/L			09/06/20 01:51	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 01:51	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 01:51	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 01:51	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 01:51	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 01:51	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 01:51	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 01:51	1
cis-1,3-Dichloropropane	ND		0.50	0.096	ug/L			09/06/20 01:51	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 01:51	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 01:51	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 01:51	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 01:51	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 01:51	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 01:51	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 01:51	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 01:51	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 01:51	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 01:51	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 01:51	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 01:51	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 01:51	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: UA-08
Date Collected: 08/26/20 08:35
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-23
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 01:51	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 01:51	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 01:51	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 01:51	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 01:51	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 01:51	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 01:51	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 01:51	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 01:51	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 01:51	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 01:51	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/06/20 01:51	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 01:51	1
Trichloroethene	3.7		0.50	0.10	ug/L			09/06/20 01:51	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 01:51	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 01:51	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 01:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 128		09/06/20 01:51	1
4-Bromofluorobenzene (Surr)	95		68 - 120		09/06/20 01:51	1
Dibromofluoromethane	98		80 - 127		09/06/20 01:51	1
Toluene-d8 (Surr)	101		80 - 120		09/06/20 01:51	1

Client Sample ID: RB-082620B
Date Collected: 08/26/20 08:43
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-24
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 02:16	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 02:16	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 02:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	0.50	0.13	ug/L			09/06/20 02:16	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 02:16	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 02:16	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/20 02:16	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 02:16	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 02:16	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 02:16	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 02:16	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 02:16	1
1,2-Dibromo-3-Chloropropane	ND	*	5.0	0.51	ug/L			09/06/20 02:16	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 02:16	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 02:16	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 02:16	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 02:16	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 02:16	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 02:16	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 02:16	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 02:16	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 02:16	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: RB-082620B
Date Collected: 08/26/20 08:43
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-24
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 02:16	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 02:16	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 02:16	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 02:16	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 02:16	1
Acetone	ND		10	4.0	ug/L			09/06/20 02:16	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 02:16	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 02:16	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 02:16	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 02:16	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 02:16	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 02:16	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 02:16	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 02:16	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 02:16	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 02:16	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 02:16	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 02:16	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 02:16	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 02:16	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 02:16	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 02:16	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 02:16	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 02:16	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 02:16	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 02:16	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 02:16	1
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 02:16	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 02:16	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 02:16	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 02:16	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 02:16	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 02:16	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 02:16	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 02:16	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 02:16	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 02:16	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 02:16	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/06/20 02:16	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 02:16	1
Trichloroethene	ND		0.50	0.10	ug/L			09/06/20 02:16	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 02:16	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 02:16	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 02:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 128		09/06/20 02:16	1
4-Bromofluorobenzene (Surr)	89		68 - 120		09/06/20 02:16	1
Dibromofluoromethane	97		80 - 127		09/06/20 02:16	1
Toluene-d8 (Surr)	97		80 - 120		09/06/20 02:16	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: HEW-04
Date Collected: 08/26/20 08:58
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-25
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.28	ug/L			09/06/20 06:58	4
1,1,1-Trichloroethane	ND		2.0	0.34	ug/L			09/06/20 06:58	4
1,1,2,2-Tetrachloroethane	ND		2.0	0.35	ug/L			09/06/20 06:58	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	2.0	0.50	ug/L			09/06/20 06:58	4
1,1,2-Trichloroethane	ND		2.0	0.28	ug/L			09/06/20 06:58	4
1,1-Dichloroethane	ND		2.0	0.24	ug/L			09/06/20 06:58	4
1,1-Dichloroethene	1.2	J	2.0	0.41	ug/L			09/06/20 06:58	4
1,1-Dichloropropene	ND		2.0	0.28	ug/L			09/06/20 06:58	4
1,2,3-Trichlorobenzene	ND		2.0	0.47	ug/L			09/06/20 06:58	4
1,2,3-Trichloropropane	ND		4.0	0.31	ug/L			09/06/20 06:58	4
1,2,4-Trichlorobenzene	ND		2.0	0.36	ug/L			09/06/20 06:58	4
1,2,4-Trimethylbenzene	ND		2.0	0.27	ug/L			09/06/20 06:58	4
1,2-Dibromo-3-Chloropropane	ND	*	20	2.1	ug/L			09/06/20 06:58	4
1,2-Dibromoethane	ND		2.0	0.24	ug/L			09/06/20 06:58	4
1,2-Dichlorobenzene	ND		2.0	0.33	ug/L			09/06/20 06:58	4
1,2-Dichloroethane	ND		2.0	0.30	ug/L			09/06/20 06:58	4
1,2-Dichloropropane	ND		2.0	0.39	ug/L			09/06/20 06:58	4
1,3,5-Trimethylbenzene	ND		2.0	0.31	ug/L			09/06/20 06:58	4
1,3-Dichlorobenzene	ND		2.0	0.39	ug/L			09/06/20 06:58	4
1,3-Dichloropropane	ND		4.0	0.33	ug/L			09/06/20 06:58	4
1,4-Dichlorobenzene	ND		2.0	0.29	ug/L			09/06/20 06:58	4
2,2-Dichloropropane	ND		4.0	1.5	ug/L			09/06/20 06:58	4
2-Butanone	ND		20	1.8	ug/L			09/06/20 06:58	4
2-Chlorotoluene	ND		2.0	0.23	ug/L			09/06/20 06:58	4
2-Hexanone	ND		40	2.0	ug/L			09/06/20 06:58	4
4-Chlorotoluene	ND		2.0	0.36	ug/L			09/06/20 06:58	4
4-Methyl-2-pentanone	ND		20	1.7	ug/L			09/06/20 06:58	4
Acetone	ND		40	16	ug/L			09/06/20 06:58	4
Benzene	ND		2.0	0.29	ug/L			09/06/20 06:58	4
Bromobenzene	ND		2.0	0.24	ug/L			09/06/20 06:58	4
Bromochloromethane	ND		4.0	0.33	ug/L			09/06/20 06:58	4
Bromodichloromethane	ND		2.0	0.21	ug/L			09/06/20 06:58	4
Bromoform	ND		2.0	0.39	ug/L			09/06/20 06:58	4
Bromomethane	ND		8.0	4.0	ug/L			09/06/20 06:58	4
cis-1,2-Dichloroethene	ND		2.0	0.43	ug/L			09/06/20 06:58	4
cis-1,3-Dichloropropene	ND		2.0	0.38	ug/L			09/06/20 06:58	4
Carbon disulfide	ND		40	1.5	ug/L			09/06/20 06:58	4
Carbon tetrachloride	ND		2.0	0.23	ug/L			09/06/20 06:58	4
Chlorobenzene	ND		2.0	0.35	ug/L			09/06/20 06:58	4
Chloroethane	ND		2.0	0.47	ug/L			09/06/20 06:58	4
Chloroform	ND		2.0	0.25	ug/L			09/06/20 06:58	4
Chloromethane	ND		20	7.8	ug/L			09/06/20 06:58	4
Dibromochloromethane	ND		2.0	0.25	ug/L			09/06/20 06:58	4
Dibromomethane	ND		2.0	0.50	ug/L			09/06/20 06:58	4
Dichlorodifluoromethane	ND		4.0	0.40	ug/L			09/06/20 06:58	4
Ethylbenzene	ND		2.0	0.35	ug/L			09/06/20 06:58	4
Isopropylbenzene	ND		2.0	0.31	ug/L			09/06/20 06:58	4
Methylene Chloride	ND		4.0	0.17	ug/L			09/06/20 06:58	4
Methyl-t-Butyl Ether (MTBE)	ND		2.0	0.27	ug/L			09/06/20 06:58	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: HEW-04

Date Collected: 08/26/20 08:58

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-25

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.0	0.39	ug/L			09/06/20 06:58	4
n-Butylbenzene	ND		2.0	0.43	ug/L			09/06/20 06:58	4
N-Propylbenzene	ND		2.0	0.31	ug/L			09/06/20 06:58	4
o-Xylene	ND		2.0	0.34	ug/L			09/06/20 06:58	4
m,p-Xylene	ND		4.0	0.59	ug/L			09/06/20 06:58	4
p-Isopropyltoluene	ND		2.0	0.29	ug/L			09/06/20 06:58	4
sec-Butylbenzene	ND		2.0	0.38	ug/L			09/06/20 06:58	4
Styrene	ND		2.0	0.23	ug/L			09/06/20 06:58	4
trans-1,2-Dichloroethene	ND		2.0	0.33	ug/L			09/06/20 06:58	4
trans-1,3-Dichloropropene	ND		2.0	0.21	ug/L			09/06/20 06:58	4
tert-Butylbenzene	ND		2.0	0.33	ug/L			09/06/20 06:58	4
Tetrachloroethene	1.3	J	2.0	0.97	ug/L			09/06/20 06:58	4
Toluene	ND		2.0	0.37	ug/L			09/06/20 06:58	4
Trichloroethene	91		2.0	0.41	ug/L			09/06/20 06:58	4
Trichlorofluoromethane	ND		2.0	0.41	ug/L			09/06/20 06:58	4
Vinyl acetate	ND		20	2.8	ug/L			09/06/20 06:58	4
Vinyl chloride	ND		2.0	0.31	ug/L			09/06/20 06:58	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 128		09/06/20 06:58	4
4-Bromofluorobenzene (Surr)	93		68 - 120		09/06/20 06:58	4
Dibromofluoromethane	98		80 - 127		09/06/20 06:58	4
Toluene-d8 (Surr)	102		80 - 120		09/06/20 06:58	4

Client Sample ID: HEW-0400

Date Collected: 08/26/20 09:04

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-26

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.28	ug/L			09/06/20 07:24	4
1,1,1-Trichloroethane	ND		2.0	0.34	ug/L			09/06/20 07:24	4
1,1,2,2-Tetrachloroethane	ND		2.0	0.35	ug/L			09/06/20 07:24	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	2.0	0.50	ug/L			09/06/20 07:24	4
1,1,2-Trichloroethane	ND		2.0	0.28	ug/L			09/06/20 07:24	4
1,1-Dichloroethane	ND		2.0	0.24	ug/L			09/06/20 07:24	4
1,1-Dichloroethene	1.1	J	2.0	0.41	ug/L			09/06/20 07:24	4
1,1-Dichloropropene	ND		2.0	0.28	ug/L			09/06/20 07:24	4
1,2,3-Trichlorobenzene	ND		2.0	0.47	ug/L			09/06/20 07:24	4
1,2,3-Trichloropropane	ND		4.0	0.31	ug/L			09/06/20 07:24	4
1,2,4-Trichlorobenzene	ND		2.0	0.36	ug/L			09/06/20 07:24	4
1,2,4-Trimethylbenzene	ND		2.0	0.27	ug/L			09/06/20 07:24	4
1,2-Dibromo-3-Chloropropane	ND	*	20	2.1	ug/L			09/06/20 07:24	4
1,2-Dibromoethane	ND		2.0	0.24	ug/L			09/06/20 07:24	4
1,2-Dichlorobenzene	ND		2.0	0.33	ug/L			09/06/20 07:24	4
1,2-Dichloroethane	ND		2.0	0.30	ug/L			09/06/20 07:24	4
1,2-Dichloropropane	ND		2.0	0.39	ug/L			09/06/20 07:24	4
1,3,5-Trimethylbenzene	ND		2.0	0.31	ug/L			09/06/20 07:24	4
1,3-Dichlorobenzene	ND		2.0	0.39	ug/L			09/06/20 07:24	4
1,3-Dichloropropane	ND		4.0	0.33	ug/L			09/06/20 07:24	4
1,4-Dichlorobenzene	ND		2.0	0.29	ug/L			09/06/20 07:24	4
2,2-Dichloropropane	ND		4.0	1.5	ug/L			09/06/20 07:24	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: HEW-0400
Date Collected: 08/26/20 09:04
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-26
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		20	1.8	ug/L			09/06/20 07:24	4
2-Chlorotoluene	ND		2.0	0.23	ug/L			09/06/20 07:24	4
2-Hexanone	ND		40	2.0	ug/L			09/06/20 07:24	4
4-Chlorotoluene	ND		2.0	0.36	ug/L			09/06/20 07:24	4
4-Methyl-2-pentanone	ND		20	1.7	ug/L			09/06/20 07:24	4
Acetone	ND		40	16	ug/L			09/06/20 07:24	4
Benzene	ND		2.0	0.29	ug/L			09/06/20 07:24	4
Bromobenzene	ND		2.0	0.24	ug/L			09/06/20 07:24	4
Bromochloromethane	ND		4.0	0.33	ug/L			09/06/20 07:24	4
Bromodichloromethane	ND		2.0	0.21	ug/L			09/06/20 07:24	4
Bromoform	ND		2.0	0.39	ug/L			09/06/20 07:24	4
Bromomethane	ND		8.0	4.0	ug/L			09/06/20 07:24	4
cis-1,2-Dichloroethene	ND		2.0	0.43	ug/L			09/06/20 07:24	4
cis-1,3-Dichloropropene	ND		2.0	0.38	ug/L			09/06/20 07:24	4
Carbon disulfide	ND		40	1.5	ug/L			09/06/20 07:24	4
Carbon tetrachloride	ND		2.0	0.23	ug/L			09/06/20 07:24	4
Chlorobenzene	ND		2.0	0.35	ug/L			09/06/20 07:24	4
Chloroethane	ND		2.0	0.47	ug/L			09/06/20 07:24	4
Chloroform	ND		2.0	0.25	ug/L			09/06/20 07:24	4
Chloromethane	ND		20	7.8	ug/L			09/06/20 07:24	4
Dibromochloromethane	ND		2.0	0.25	ug/L			09/06/20 07:24	4
Dibromomethane	ND		2.0	0.50	ug/L			09/06/20 07:24	4
Dichlorodifluoromethane	ND		4.0	0.40	ug/L			09/06/20 07:24	4
Ethylbenzene	ND		2.0	0.35	ug/L			09/06/20 07:24	4
Isopropylbenzene	ND		2.0	0.31	ug/L			09/06/20 07:24	4
Methylene Chloride	ND		4.0	0.17	ug/L			09/06/20 07:24	4
Methyl-t-Butyl Ether (MTBE)	ND		2.0	0.27	ug/L			09/06/20 07:24	4
Naphthalene	ND		4.0	0.39	ug/L			09/06/20 07:24	4
n-Butylbenzene	ND		2.0	0.43	ug/L			09/06/20 07:24	4
N-Propylbenzene	ND		2.0	0.31	ug/L			09/06/20 07:24	4
o-Xylene	ND		2.0	0.34	ug/L			09/06/20 07:24	4
m,p-Xylene	ND		4.0	0.59	ug/L			09/06/20 07:24	4
p-Isopropyltoluene	ND		2.0	0.29	ug/L			09/06/20 07:24	4
sec-Butylbenzene	ND		2.0	0.38	ug/L			09/06/20 07:24	4
Styrene	ND		2.0	0.23	ug/L			09/06/20 07:24	4
trans-1,2-Dichloroethene	ND		2.0	0.33	ug/L			09/06/20 07:24	4
trans-1,3-Dichloropropene	ND		2.0	0.21	ug/L			09/06/20 07:24	4
tert-Butylbenzene	ND		2.0	0.33	ug/L			09/06/20 07:24	4
Tetrachloroethene	1.5	J	2.0	0.97	ug/L			09/06/20 07:24	4
Toluene	ND		2.0	0.37	ug/L			09/06/20 07:24	4
Trichloroethene	92		2.0	0.41	ug/L			09/06/20 07:24	4
Trichlorofluoromethane	ND		2.0	0.41	ug/L			09/06/20 07:24	4
Vinyl acetate	ND		20	2.8	ug/L			09/06/20 07:24	4
Vinyl chloride	ND		2.0	0.31	ug/L			09/06/20 07:24	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 128		09/06/20 07:24	4
4-Bromofluorobenzene (Surr)	93		68 - 120		09/06/20 07:24	4
Dibromofluoromethane	97		80 - 127		09/06/20 07:24	4
Toluene-d8 (Surr)	99		80 - 120		09/06/20 07:24	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: S-24
Date Collected: 08/26/20 09:20
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-27
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 02:42	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 02:42	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 02:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	0.50	0.13	ug/L			09/06/20 02:42	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 02:42	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 02:42	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/20 02:42	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 02:42	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 02:42	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 02:42	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 02:42	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 02:42	1
1,2-Dibromo-3-Chloropropane	ND	*	5.0	0.51	ug/L			09/06/20 02:42	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 02:42	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 02:42	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 02:42	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 02:42	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 02:42	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 02:42	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 02:42	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 02:42	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 02:42	1
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 02:42	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 02:42	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 02:42	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 02:42	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 02:42	1
Acetone	ND		10	4.0	ug/L			09/06/20 02:42	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 02:42	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 02:42	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 02:42	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 02:42	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 02:42	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 02:42	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 02:42	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 02:42	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 02:42	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 02:42	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 02:42	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 02:42	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 02:42	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 02:42	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 02:42	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 02:42	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 02:42	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 02:42	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 02:42	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 02:42	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 02:42	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: S-24
Date Collected: 08/26/20 09:20
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-27
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 02:42	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 02:42	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 02:42	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 02:42	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 02:42	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 02:42	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 02:42	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 02:42	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 02:42	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 02:42	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 02:42	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/06/20 02:42	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 02:42	1
Trichloroethene	3.9		0.50	0.10	ug/L			09/06/20 02:42	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 02:42	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 02:42	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 02:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 128		09/06/20 02:42	1
4-Bromofluorobenzene (Surr)	93		68 - 120		09/06/20 02:42	1
Dibromofluoromethane	99		80 - 127		09/06/20 02:42	1
Toluene-d8 (Surr)	99		80 - 120		09/06/20 02:42	1

Client Sample ID: UA-15D
Date Collected: 08/26/20 09:50
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-28
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 05:16	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 05:16	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 05:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	0.50	0.13	ug/L			09/06/20 05:16	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 05:16	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 05:16	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/20 05:16	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 05:16	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 05:16	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 05:16	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 05:16	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 05:16	1
1,2-Dibromo-3-Chloropropane	ND	*	5.0	0.51	ug/L			09/06/20 05:16	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 05:16	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 05:16	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 05:16	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 05:16	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 05:16	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 05:16	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 05:16	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 05:16	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 05:16	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: UA-15D

Date Collected: 08/26/20 09:50

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-28

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 05:16	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 05:16	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 05:16	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 05:16	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 05:16	1
Acetone	ND		10	4.0	ug/L			09/06/20 05:16	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 05:16	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 05:16	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 05:16	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 05:16	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 05:16	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 05:16	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 05:16	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 05:16	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 05:16	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 05:16	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 05:16	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 05:16	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 05:16	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 05:16	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 05:16	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 05:16	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 05:16	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 05:16	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 05:16	1
Methylene Chloride	0.11	J	1.0	0.043	ug/L			09/06/20 05:16	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 05:16	1
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 05:16	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 05:16	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 05:16	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 05:16	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 05:16	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 05:16	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 05:16	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 05:16	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 05:16	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 05:16	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 05:16	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/06/20 05:16	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 05:16	1
Trichloroethene	0.56		0.50	0.10	ug/L			09/06/20 05:16	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 05:16	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 05:16	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 05:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 128		09/06/20 05:16	1
4-Bromofluorobenzene (Surr)	93		68 - 120		09/06/20 05:16	1
Dibromofluoromethane	97		80 - 127		09/06/20 05:16	1
Toluene-d8 (Surr)	98		80 - 120		09/06/20 05:16	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: AB-02
Date Collected: 08/26/20 09:56
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-29
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.28	ug/L			09/06/20 05:41	4
1,1,1-Trichloroethane	ND		2.0	0.34	ug/L			09/06/20 05:41	4
1,1,2,2-Tetrachloroethane	ND		2.0	0.35	ug/L			09/06/20 05:41	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	2.0	0.50	ug/L			09/06/20 05:41	4
1,1,2-Trichloroethane	ND		2.0	0.28	ug/L			09/06/20 05:41	4
1,1-Dichloroethane	ND		2.0	0.24	ug/L			09/06/20 05:41	4
1,1-Dichloroethene	ND		2.0	0.41	ug/L			09/06/20 05:41	4
1,1-Dichloropropene	ND		2.0	0.28	ug/L			09/06/20 05:41	4
1,2,3-Trichlorobenzene	ND		2.0	0.47	ug/L			09/06/20 05:41	4
1,2,3-Trichloropropane	ND		4.0	0.31	ug/L			09/06/20 05:41	4
1,2,4-Trichlorobenzene	ND		2.0	0.36	ug/L			09/06/20 05:41	4
1,2,4-Trimethylbenzene	ND		2.0	0.27	ug/L			09/06/20 05:41	4
1,2-Dibromo-3-Chloropropane	ND	*	20	2.1	ug/L			09/06/20 05:41	4
1,2-Dibromoethane	ND		2.0	0.24	ug/L			09/06/20 05:41	4
1,2-Dichlorobenzene	ND		2.0	0.33	ug/L			09/06/20 05:41	4
1,2-Dichloroethane	ND		2.0	0.30	ug/L			09/06/20 05:41	4
1,2-Dichloropropane	ND		2.0	0.39	ug/L			09/06/20 05:41	4
1,3,5-Trimethylbenzene	ND		2.0	0.31	ug/L			09/06/20 05:41	4
1,3-Dichlorobenzene	ND		2.0	0.39	ug/L			09/06/20 05:41	4
1,3-Dichloropropane	ND		4.0	0.33	ug/L			09/06/20 05:41	4
1,4-Dichlorobenzene	ND		2.0	0.29	ug/L			09/06/20 05:41	4
2,2-Dichloropropane	ND		4.0	1.5	ug/L			09/06/20 05:41	4
2-Butanone	ND		20	1.8	ug/L			09/06/20 05:41	4
2-Chlorotoluene	ND		2.0	0.23	ug/L			09/06/20 05:41	4
2-Hexanone	ND		40	2.0	ug/L			09/06/20 05:41	4
4-Chlorotoluene	ND		2.0	0.36	ug/L			09/06/20 05:41	4
4-Methyl-2-pentanone	ND		20	1.7	ug/L			09/06/20 05:41	4
Acetone	ND		40	16	ug/L			09/06/20 05:41	4
Benzene	ND		2.0	0.29	ug/L			09/06/20 05:41	4
Bromobenzene	ND		2.0	0.24	ug/L			09/06/20 05:41	4
Bromochloromethane	ND		4.0	0.33	ug/L			09/06/20 05:41	4
Bromodichloromethane	ND		2.0	0.21	ug/L			09/06/20 05:41	4
Bromoform	ND		2.0	0.39	ug/L			09/06/20 05:41	4
Bromomethane	ND		8.0	4.0	ug/L			09/06/20 05:41	4
cis-1,2-Dichloroethene	6.5		2.0	0.43	ug/L			09/06/20 05:41	4
cis-1,3-Dichloropropene	ND		2.0	0.38	ug/L			09/06/20 05:41	4
Carbon disulfide	ND		40	1.5	ug/L			09/06/20 05:41	4
Carbon tetrachloride	ND		2.0	0.23	ug/L			09/06/20 05:41	4
Chlorobenzene	ND		2.0	0.35	ug/L			09/06/20 05:41	4
Chloroethane	ND		2.0	0.47	ug/L			09/06/20 05:41	4
Chloroform	ND		2.0	0.25	ug/L			09/06/20 05:41	4
Chloromethane	ND		20	7.8	ug/L			09/06/20 05:41	4
Dibromochloromethane	ND		2.0	0.25	ug/L			09/06/20 05:41	4
Dibromomethane	ND		2.0	0.50	ug/L			09/06/20 05:41	4
Dichlorodifluoromethane	ND		4.0	0.40	ug/L			09/06/20 05:41	4
Ethylbenzene	ND		2.0	0.35	ug/L			09/06/20 05:41	4
Isopropylbenzene	ND		2.0	0.31	ug/L			09/06/20 05:41	4
Methylene Chloride	ND		4.0	0.17	ug/L			09/06/20 05:41	4
Methyl-t-Butyl Ether (MTBE)	ND		2.0	0.27	ug/L			09/06/20 05:41	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: AB-02
Date Collected: 08/26/20 09:56
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-29
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.0	0.39	ug/L			09/06/20 05:41	4
n-Butylbenzene	ND		2.0	0.43	ug/L			09/06/20 05:41	4
N-Propylbenzene	ND		2.0	0.31	ug/L			09/06/20 05:41	4
o-Xylene	ND		2.0	0.34	ug/L			09/06/20 05:41	4
m,p-Xylene	ND		4.0	0.59	ug/L			09/06/20 05:41	4
p-Isopropyltoluene	ND		2.0	0.29	ug/L			09/06/20 05:41	4
sec-Butylbenzene	ND		2.0	0.38	ug/L			09/06/20 05:41	4
Styrene	ND		2.0	0.23	ug/L			09/06/20 05:41	4
trans-1,2-Dichloroethene	16		2.0	0.33	ug/L			09/06/20 05:41	4
trans-1,3-Dichloropropene	ND		2.0	0.21	ug/L			09/06/20 05:41	4
tert-Butylbenzene	ND		2.0	0.33	ug/L			09/06/20 05:41	4
Tetrachloroethene	1.3	J	2.0	0.97	ug/L			09/06/20 05:41	4
Toluene	ND		2.0	0.37	ug/L			09/06/20 05:41	4
Trichloroethene	11		2.0	0.41	ug/L			09/06/20 05:41	4
Trichlorofluoromethane	ND		2.0	0.41	ug/L			09/06/20 05:41	4
Vinyl acetate	ND		20	2.8	ug/L			09/06/20 05:41	4
Vinyl chloride	ND		2.0	0.31	ug/L			09/06/20 05:41	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 128		09/06/20 05:41	4
4-Bromofluorobenzene (Surr)	94		68 - 120		09/06/20 05:41	4
Dibromofluoromethane	101		80 - 127		09/06/20 05:41	4
Toluene-d8 (Surr)	98		80 - 120		09/06/20 05:41	4

Client Sample ID: UAX-03
Date Collected: 08/26/20 10:04
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-30
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 03:08	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 03:08	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 03:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	0.50	0.13	ug/L			09/06/20 03:08	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 03:08	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 03:08	1
1,1-Dichloroethene	0.55		0.50	0.10	ug/L			09/06/20 03:08	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 03:08	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 03:08	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 03:08	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 03:08	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 03:08	1
1,2-Dibromo-3-Chloropropane	ND	*	5.0	0.51	ug/L			09/06/20 03:08	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 03:08	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 03:08	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 03:08	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 03:08	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 03:08	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 03:08	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 03:08	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 03:08	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 03:08	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: UAX-03
Date Collected: 08/26/20 10:04
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-30
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 03:08	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 03:08	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 03:08	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 03:08	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 03:08	1
Acetone	ND		10	4.0	ug/L			09/06/20 03:08	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 03:08	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 03:08	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 03:08	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 03:08	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 03:08	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 03:08	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 03:08	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 03:08	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 03:08	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 03:08	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 03:08	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 03:08	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 03:08	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 03:08	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 03:08	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 03:08	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 03:08	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 03:08	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 03:08	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 03:08	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 03:08	1
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 03:08	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 03:08	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 03:08	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 03:08	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 03:08	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 03:08	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 03:08	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 03:08	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 03:08	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 03:08	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 03:08	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/06/20 03:08	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 03:08	1
Trichloroethene	9.0		0.50	0.10	ug/L			09/06/20 03:08	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 03:08	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 03:08	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 03:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 128		09/06/20 03:08	1
4-Bromofluorobenzene (Surr)	93		68 - 120		09/06/20 03:08	1
Dibromofluoromethane	101		80 - 127		09/06/20 03:08	1
Toluene-d8 (Surr)	99		80 - 120		09/06/20 03:08	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: UAX-02
Date Collected: 08/26/20 10:35
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-31
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 03:33	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 03:33	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 03:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	0.50	0.13	ug/L			09/06/20 03:33	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 03:33	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 03:33	1
1,1-Dichloroethene	3.8		0.50	0.10	ug/L			09/06/20 03:33	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 03:33	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 03:33	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 03:33	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 03:33	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 03:33	1
1,2-Dibromo-3-Chloropropane	ND	*	5.0	0.51	ug/L			09/06/20 03:33	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 03:33	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 03:33	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 03:33	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 03:33	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 03:33	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 03:33	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 03:33	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 03:33	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 03:33	1
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 03:33	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 03:33	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 03:33	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 03:33	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 03:33	1
Acetone	ND		10	4.0	ug/L			09/06/20 03:33	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 03:33	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 03:33	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 03:33	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 03:33	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 03:33	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 03:33	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 03:33	1
cis-1,3-Dichloropropane	ND		0.50	0.096	ug/L			09/06/20 03:33	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 03:33	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 03:33	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 03:33	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 03:33	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 03:33	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 03:33	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 03:33	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 03:33	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 03:33	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 03:33	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 03:33	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 03:33	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 03:33	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: UAX-02
Date Collected: 08/26/20 10:35
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-31
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 03:33	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 03:33	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 03:33	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 03:33	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 03:33	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 03:33	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 03:33	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 03:33	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 03:33	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 03:33	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 03:33	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/06/20 03:33	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 03:33	1
Trichloroethene	4.1		0.50	0.10	ug/L			09/06/20 03:33	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 03:33	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 03:33	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 03:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 128		09/06/20 03:33	1
4-Bromofluorobenzene (Surr)	89		68 - 120		09/06/20 03:33	1
Dibromofluoromethane	99		80 - 127		09/06/20 03:33	1
Toluene-d8 (Surr)	98		80 - 120		09/06/20 03:33	1

Client Sample ID: UAX-0200
Date Collected: 08/26/20 10:50
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-32
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 03:59	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 03:59	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 03:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	0.50	0.13	ug/L			09/06/20 03:59	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 03:59	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 03:59	1
1,1-Dichloroethene	3.7		0.50	0.10	ug/L			09/06/20 03:59	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 03:59	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 03:59	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 03:59	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 03:59	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 03:59	1
1,2-Dibromo-3-Chloropropane	ND	*	5.0	0.51	ug/L			09/06/20 03:59	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 03:59	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 03:59	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 03:59	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 03:59	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 03:59	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 03:59	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 03:59	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 03:59	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 03:59	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: UAX-0200
Date Collected: 08/26/20 10:50
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-32
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 03:59	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 03:59	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 03:59	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 03:59	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 03:59	1
Acetone	ND		10	4.0	ug/L			09/06/20 03:59	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 03:59	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 03:59	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 03:59	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 03:59	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 03:59	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 03:59	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 03:59	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 03:59	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 03:59	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 03:59	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 03:59	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 03:59	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 03:59	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 03:59	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 03:59	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 03:59	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 03:59	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 03:59	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 03:59	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 03:59	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 03:59	1
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 03:59	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 03:59	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 03:59	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 03:59	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 03:59	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 03:59	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 03:59	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 03:59	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 03:59	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 03:59	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 03:59	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/06/20 03:59	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 03:59	1
Trichloroethene	4.0		0.50	0.10	ug/L			09/06/20 03:59	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 03:59	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 03:59	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 03:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 128		09/06/20 03:59	1
4-Bromofluorobenzene (Surr)	95		68 - 120		09/06/20 03:59	1
Dibromofluoromethane	101		80 - 127		09/06/20 03:59	1
Toluene-d8 (Surr)	100		80 - 120		09/06/20 03:59	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: SE-04
Date Collected: 08/26/20 11:15
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-33
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 23:33	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 23:33	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 23:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/06/20 23:33	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 23:33	1
1,1-Dichloroethane	0.19	J	0.50	0.060	ug/L			09/06/20 23:33	1
1,1-Dichloroethene	0.38	J	0.50	0.10	ug/L			09/06/20 23:33	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 23:33	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 23:33	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 23:33	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 23:33	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 23:33	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/06/20 23:33	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 23:33	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 23:33	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 23:33	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 23:33	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 23:33	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 23:33	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 23:33	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 23:33	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 23:33	1
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 23:33	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 23:33	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 23:33	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 23:33	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 23:33	1
Acetone	ND		10	4.0	ug/L			09/06/20 23:33	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 23:33	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 23:33	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 23:33	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 23:33	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 23:33	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 23:33	1
cis-1,2-Dichloroethene	0.91		0.50	0.11	ug/L			09/06/20 23:33	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 23:33	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 23:33	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 23:33	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 23:33	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 23:33	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 23:33	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 23:33	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 23:33	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 23:33	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 23:33	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 23:33	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 23:33	1
Methylene Chloride	0.13	J	1.0	0.043	ug/L			09/06/20 23:33	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 23:33	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: SE-04
Date Collected: 08/26/20 11:15
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-33
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 23:33	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 23:33	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 23:33	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 23:33	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 23:33	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 23:33	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 23:33	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 23:33	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 23:33	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 23:33	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 23:33	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/06/20 23:33	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 23:33	1
Trichloroethene	9.7		0.50	0.10	ug/L			09/06/20 23:33	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 23:33	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 23:33	1
Vinyl chloride	0.19	J	0.50	0.078	ug/L			09/06/20 23:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		80 - 128		09/06/20 23:33	1
4-Bromofluorobenzene (Surr)	87		68 - 120		09/06/20 23:33	1
Dibromofluoromethane	119		80 - 127		09/06/20 23:33	1
Toluene-d8 (Surr)	102		80 - 120		09/06/20 23:33	1

Client Sample ID: S-07
Date Collected: 08/26/20 12:45
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-34
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 04:24	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 04:24	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 04:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	0.50	0.13	ug/L			09/06/20 04:24	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 04:24	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 04:24	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/20 04:24	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 04:24	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 04:24	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 04:24	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 04:24	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 04:24	1
1,2-Dibromo-3-Chloropropane	ND	*	5.0	0.51	ug/L			09/06/20 04:24	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 04:24	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 04:24	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 04:24	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 04:24	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 04:24	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 04:24	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 04:24	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 04:24	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 04:24	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: S-07
Date Collected: 08/26/20 12:45
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-34
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 04:24	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 04:24	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 04:24	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 04:24	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 04:24	1
Acetone	ND		10	4.0	ug/L			09/06/20 04:24	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 04:24	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 04:24	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 04:24	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 04:24	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 04:24	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 04:24	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 04:24	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 04:24	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 04:24	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 04:24	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 04:24	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 04:24	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 04:24	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 04:24	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 04:24	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 04:24	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 04:24	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 04:24	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 04:24	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 04:24	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 04:24	1
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 04:24	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 04:24	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 04:24	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 04:24	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 04:24	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 04:24	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 04:24	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 04:24	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 04:24	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 04:24	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 04:24	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/06/20 04:24	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 04:24	1
Trichloroethene	0.64		0.50	0.10	ug/L			09/06/20 04:24	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 04:24	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 04:24	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 04:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 128		09/06/20 04:24	1
4-Bromofluorobenzene (Surr)	89		68 - 120		09/06/20 04:24	1
Dibromofluoromethane	96		80 - 127		09/06/20 04:24	1
Toluene-d8 (Surr)	98		80 - 120		09/06/20 04:24	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: UA-02
Date Collected: 08/26/20 13:20
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-35
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			09/06/20 04:50	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 04:50	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 04:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	0.50	0.13	ug/L			09/06/20 04:50	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 04:50	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 04:50	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/20 04:50	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 04:50	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 04:50	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 04:50	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 04:50	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 04:50	1
1,2-Dibromo-3-Chloropropane	ND	*	5.0	0.51	ug/L			09/06/20 04:50	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 04:50	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 04:50	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 04:50	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 04:50	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 04:50	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 04:50	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 04:50	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 04:50	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 04:50	1
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 04:50	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 04:50	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 04:50	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 04:50	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 04:50	1
Acetone	ND		10	4.0	ug/L			09/06/20 04:50	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 04:50	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 04:50	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 04:50	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 04:50	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 04:50	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 04:50	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 04:50	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 04:50	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 04:50	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 04:50	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 04:50	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 04:50	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 04:50	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 04:50	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 04:50	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 04:50	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 04:50	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 04:50	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 04:50	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 04:50	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 04:50	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: UA-02
Date Collected: 08/26/20 13:20
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-35
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 04:50	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 04:50	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 04:50	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 04:50	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 04:50	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 04:50	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 04:50	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 04:50	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 04:50	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 04:50	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 04:50	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/06/20 04:50	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 04:50	1
Trichloroethene	1.2		0.50	0.10	ug/L			09/06/20 04:50	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 04:50	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 04:50	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 04:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 128		09/06/20 04:50	1
4-Bromofluorobenzene (Surr)	96		68 - 120		09/06/20 04:50	1
Dibromofluoromethane	98		80 - 127		09/06/20 04:50	1
Toluene-d8 (Surr)	98		80 - 120		09/06/20 04:50	1

Client Sample ID: HEW-03
Date Collected: 08/26/20 13:38
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-36
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.28	ug/L			09/06/20 07:49	4
1,1,1-Trichloroethane	ND		2.0	0.34	ug/L			09/06/20 07:49	4
1,1,2,2-Tetrachloroethane	ND		2.0	0.35	ug/L			09/06/20 07:49	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*	2.0	0.50	ug/L			09/06/20 07:49	4
1,1,2-Trichloroethane	ND		2.0	0.28	ug/L			09/06/20 07:49	4
1,1-Dichloroethane	ND		2.0	0.24	ug/L			09/06/20 07:49	4
1,1-Dichloroethene	ND		2.0	0.41	ug/L			09/06/20 07:49	4
1,1-Dichloropropene	ND		2.0	0.28	ug/L			09/06/20 07:49	4
1,2,3-Trichlorobenzene	ND		2.0	0.47	ug/L			09/06/20 07:49	4
1,2,3-Trichloropropane	ND		4.0	0.31	ug/L			09/06/20 07:49	4
1,2,4-Trichlorobenzene	ND		2.0	0.36	ug/L			09/06/20 07:49	4
1,2,4-Trimethylbenzene	ND		2.0	0.27	ug/L			09/06/20 07:49	4
1,2-Dibromo-3-Chloropropane	ND	*	20	2.1	ug/L			09/06/20 07:49	4
1,2-Dibromoethane	ND		2.0	0.24	ug/L			09/06/20 07:49	4
1,2-Dichlorobenzene	ND		2.0	0.33	ug/L			09/06/20 07:49	4
1,2-Dichloroethane	ND		2.0	0.30	ug/L			09/06/20 07:49	4
1,2-Dichloropropane	ND		2.0	0.39	ug/L			09/06/20 07:49	4
1,3,5-Trimethylbenzene	ND		2.0	0.31	ug/L			09/06/20 07:49	4
1,3-Dichlorobenzene	ND		2.0	0.39	ug/L			09/06/20 07:49	4
1,3-Dichloropropane	ND		4.0	0.33	ug/L			09/06/20 07:49	4
1,4-Dichlorobenzene	ND		2.0	0.29	ug/L			09/06/20 07:49	4
2,2-Dichloropropane	ND		4.0	1.5	ug/L			09/06/20 07:49	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: HEW-03
Date Collected: 08/26/20 13:38
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-36
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		20	1.8	ug/L			09/06/20 07:49	4
2-Chlorotoluene	ND		2.0	0.23	ug/L			09/06/20 07:49	4
2-Hexanone	ND		40	2.0	ug/L			09/06/20 07:49	4
4-Chlorotoluene	ND		2.0	0.36	ug/L			09/06/20 07:49	4
4-Methyl-2-pentanone	ND		20	1.7	ug/L			09/06/20 07:49	4
Acetone	ND		40	16	ug/L			09/06/20 07:49	4
Benzene	ND		2.0	0.29	ug/L			09/06/20 07:49	4
Bromobenzene	ND		2.0	0.24	ug/L			09/06/20 07:49	4
Bromochloromethane	ND		4.0	0.33	ug/L			09/06/20 07:49	4
Bromodichloromethane	ND		2.0	0.21	ug/L			09/06/20 07:49	4
Bromoform	ND		2.0	0.39	ug/L			09/06/20 07:49	4
Bromomethane	ND		8.0	4.0	ug/L			09/06/20 07:49	4
cis-1,2-Dichloroethene	ND		2.0	0.43	ug/L			09/06/20 07:49	4
cis-1,3-Dichloropropene	ND		2.0	0.38	ug/L			09/06/20 07:49	4
Carbon disulfide	ND		40	1.5	ug/L			09/06/20 07:49	4
Carbon tetrachloride	ND		2.0	0.23	ug/L			09/06/20 07:49	4
Chlorobenzene	ND		2.0	0.35	ug/L			09/06/20 07:49	4
Chloroethane	ND		2.0	0.47	ug/L			09/06/20 07:49	4
Chloroform	ND		2.0	0.25	ug/L			09/06/20 07:49	4
Chloromethane	ND		20	7.8	ug/L			09/06/20 07:49	4
Dibromochloromethane	ND		2.0	0.25	ug/L			09/06/20 07:49	4
Dibromomethane	ND		2.0	0.50	ug/L			09/06/20 07:49	4
Dichlorodifluoromethane	ND		4.0	0.40	ug/L			09/06/20 07:49	4
Ethylbenzene	ND		2.0	0.35	ug/L			09/06/20 07:49	4
Isopropylbenzene	ND		2.0	0.31	ug/L			09/06/20 07:49	4
Methylene Chloride	ND		4.0	0.17	ug/L			09/06/20 07:49	4
Methyl-t-Butyl Ether (MTBE)	ND		2.0	0.27	ug/L			09/06/20 07:49	4
Naphthalene	ND		4.0	0.39	ug/L			09/06/20 07:49	4
n-Butylbenzene	ND		2.0	0.43	ug/L			09/06/20 07:49	4
N-Propylbenzene	ND		2.0	0.31	ug/L			09/06/20 07:49	4
o-Xylene	ND		2.0	0.34	ug/L			09/06/20 07:49	4
m,p-Xylene	ND		4.0	0.59	ug/L			09/06/20 07:49	4
p-Isopropyltoluene	ND		2.0	0.29	ug/L			09/06/20 07:49	4
sec-Butylbenzene	ND		2.0	0.38	ug/L			09/06/20 07:49	4
Styrene	ND		2.0	0.23	ug/L			09/06/20 07:49	4
trans-1,2-Dichloroethene	ND		2.0	0.33	ug/L			09/06/20 07:49	4
trans-1,3-Dichloropropene	ND		2.0	0.21	ug/L			09/06/20 07:49	4
tert-Butylbenzene	ND		2.0	0.33	ug/L			09/06/20 07:49	4
Tetrachloroethene	2.0		2.0	0.97	ug/L			09/06/20 07:49	4
Toluene	ND		2.0	0.37	ug/L			09/06/20 07:49	4
Trichloroethene	91		2.0	0.41	ug/L			09/06/20 07:49	4
Trichlorofluoromethane	ND		2.0	0.41	ug/L			09/06/20 07:49	4
Vinyl acetate	ND		20	2.8	ug/L			09/06/20 07:49	4
Vinyl chloride	ND		2.0	0.31	ug/L			09/06/20 07:49	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 128		09/06/20 07:49	4
4-Bromofluorobenzene (Surr)	93		68 - 120		09/06/20 07:49	4
Dibromofluoromethane	98		80 - 127		09/06/20 07:49	4
Toluene-d8 (Surr)	101		80 - 120		09/06/20 07:49	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: LAX-02
Date Collected: 08/26/20 09:40
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L		08/27/20 10:16	08/27/20 22:15	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	63		15 - 150				08/27/20 10:16	08/27/20 22:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	103		46 - 128				08/27/20 10:16	08/27/20 22:15	1

Client Sample ID: LAX-03
Date Collected: 08/26/20 10:14
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-12
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L		08/27/20 10:16	08/27/20 22:30	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	62		15 - 150				08/27/20 10:16	08/27/20 22:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	97		46 - 128				08/27/20 10:16	08/27/20 22:30	1

Client Sample ID: HEW-04
Date Collected: 08/26/20 08:58
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-25
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	5.8		0.50	0.18	ug/L		08/27/20 10:16	08/27/20 22:46	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	62		15 - 150				08/27/20 10:16	08/27/20 22:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	97		46 - 128				08/27/20 10:16	08/27/20 22:46	1

Client Sample ID: HEW-0400
Date Collected: 08/26/20 09:04
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-26
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	5.5		0.50	0.18	ug/L		08/27/20 10:16	08/27/20 23:02	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	64		15 - 150				08/27/20 10:16	08/27/20 23:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	91		46 - 128				08/27/20 10:16	08/27/20 23:02	1

Client Sample ID: UAX-03
Date Collected: 08/26/20 10:04
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-30
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L		08/27/20 10:16	08/27/20 23:18	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	76		15 - 150				08/27/20 10:16	08/27/20 23:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	126		46 - 128				08/27/20 10:16	08/27/20 23:18	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-36887-1

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

Client Sample ID: UAX-02
Date Collected: 08/26/20 10:35
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-31
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.4		0.50	0.18	ug/L		08/27/20 10:16	08/27/20 23:34	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	63		15 - 150				08/27/20 10:16	08/27/20 23:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	99		46 - 128				08/27/20 10:16	08/27/20 23:34	1

Client Sample ID: UAX-0200
Date Collected: 08/26/20 10:50
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-32
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.4		0.50	0.18	ug/L		08/27/20 10:16	08/27/20 23:50	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	67		15 - 150				08/27/20 10:16	08/27/20 23:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	108		46 - 128				08/27/20 10:16	08/27/20 23:50	1

Client Sample ID: HEW-03
Date Collected: 08/26/20 13:38
Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-36
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L		08/27/20 10:16	08/28/20 00:06	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	66		15 - 150				08/27/20 10:16	08/28/20 00:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	101		46 - 128				08/27/20 10:16	08/28/20 00:06	1

Surrogate Summary

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

Job ID: 570-36887-1

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 (80-128)	BFB (68-120)	DBFM (80-127)	TOL (80-120)
570-36887-1	TB-082620	112	86	111	100
570-36887-2	UA-07D	117	84	114	103
570-36887-3	UA-07	116	84	113	101
570-36887-4	S-26	118	85	113	101
570-36887-5	UA-06D	116	85	114	103
570-36887-6	UA-06	120	86	115	103
570-36887-7	AB-01	104	82	109	100
570-36887-8	AB-0100	118	84	116	104
570-36887-9	RB-082620A	116	86	114	102
570-36887-10	LAX-02	119	85	118	104
570-36887-11	S-14	120	82	116	102
570-36887-12	LAX-03	118	83	114	102
570-36887-13	S-29	119	83	112	101
570-36887-14	UA-12D	116	82	117	101
570-36887-15	UA-12	118	80	115	104
570-36887-16	AB-06	116	87	112	101
570-36887-17	UA-10D	119	83	116	102
570-36887-18	UB-04	116	83	114	103
570-36887-19	S-08	126	83	115	103
570-36887-20	SE-01	94	90	97	99
570-36887-21	S-31	101	93	98	100
570-36887-22	UA-08D	97	91	97	98
570-36887-23	UA-08	99	95	98	101
570-36887-24	RB-082620B	100	89	97	97
570-36887-25	HEW-04	98	93	98	102
570-36887-26	HEW-0400	98	93	97	99
570-36887-27	S-24	101	93	99	99
570-36887-28	UA-15D	98	93	97	98
570-36887-29	AB-02	99	94	101	98
570-36887-30	UAX-03	101	93	101	99
570-36887-31	UAX-02	97	89	99	98
570-36887-32	UAX-0200	103	95	101	100
570-36887-33	SE-04	121	87	119	102
570-36887-34	S-07	97	89	96	98
570-36887-35	UA-02	97	96	98	98
570-36887-36	HEW-03	99	93	98	101
570-36904-A-5 MS	Matrix Spike	102	97	101	104
570-36904-A-5 MSD	Matrix Spike Duplicate	100	97	101	101
LCS 570-92787/3	Lab Control Sample	104	103	100	102
LCS 570-92788/3	Lab Control Sample	99	95	100	99
LCS 570-92797/4	Lab Control Sample	107	102	101	101
LCSD 570-92787/4	Lab Control Sample Dup	100	100	97	101
LCSD 570-92788/4	Lab Control Sample Dup	98	97	100	100
LCSD 570-92797/5	Lab Control Sample Dup	99	103	98	101
MB 570-92787/7	Method Blank	115	87	109	102
MB 570-92788/6	Method Blank	99	92	97	99
MB 570-92797/8	Method Blank	119	85	113	100

Surrogate Legend

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

Surrogate Summary

Client: Hargis + Associates, Inc.

Job ID: 570-36887-1

Project/Site: Raytheon Full Scale/Bldg 684 (Fullerton)

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

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	NBZ (46-128)
570-36887-10	LAX-02	103
570-36887-12	LAX-03	97
570-36887-25	HEW-04	97
570-36887-26	HEW-0400	91
570-36887-30	UAX-03	126
570-36887-31	UAX-02	99
570-36887-32	UAX-0200	108
570-36887-36	HEW-03	101
570-36904-D-5-A MS	Matrix Spike	109
570-36904-D-5-B MSD	Matrix Spike Duplicate	102
LCS 570-90698/2-A	Lab Control Sample	106
LCSD 570-90698/3-A	Lab Control Sample Dup	104
MB 570-90698/1-A	Method Blank	121

Surrogate Legend

NBZ = Nitrobenzene-d5

Isotope Dilution Summary

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

Job ID: 570-36887-1

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)
570-36887-10	LAX-02	63
570-36887-12	LAX-03	62
570-36887-25	HEW-04	62
570-36887-26	HEW-0400	64
570-36887-30	UAX-03	76
570-36887-31	UAX-02	63
570-36887-32	UAX-0200	67
570-36887-36	HEW-03	66
570-36904-D-5-A MS	Matrix Spike	57
570-36904-D-5-B MSD	Matrix Spike Duplicate	56
LCS 570-90698/2-A	Lab Control Sample	59
LCSD 570-90698/3-A	Lab Control Sample Dup	61
MB 570-90698/1-A	Method Blank	70

Surrogate Legend

DXE = 1,4-Dioxane-d8

QC Sample Results

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

Job ID: 570-36887-1

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

Lab Sample ID: MB 570-92787/7

Matrix: Water

Analysis Batch: 92787

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	0.070	ug/L			09/06/20 03:18	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 03:18	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 03:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/06/20 03:18	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 03:18	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 03:18	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/20 03:18	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 03:18	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 03:18	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 03:18	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 03:18	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 03:18	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/06/20 03:18	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 03:18	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 03:18	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 03:18	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 03:18	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 03:18	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 03:18	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 03:18	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 03:18	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 03:18	1
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 03:18	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 03:18	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 03:18	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 03:18	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 03:18	1
Acetone	ND		10	4.0	ug/L			09/06/20 03:18	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 03:18	1
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 03:18	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 03:18	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 03:18	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 03:18	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 03:18	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 03:18	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 03:18	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 03:18	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 03:18	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 03:18	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 03:18	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 03:18	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 03:18	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 03:18	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 03:18	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 03:18	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 03:18	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 03:18	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 03:18	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-36887-1

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

Lab Sample ID: MB 570-92787/7

Matrix: Water

Analysis Batch: 92787

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	0.067	ug/L			09/06/20 03:18	1
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 03:18	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 03:18	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 03:18	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 03:18	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 03:18	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 03:18	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 03:18	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 03:18	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 03:18	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 03:18	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 03:18	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/06/20 03:18	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 03:18	1
Trichloroethene	ND		0.50	0.10	ug/L			09/06/20 03:18	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 03:18	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 03:18	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 03:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		80 - 128		09/06/20 03:18	1
4-Bromofluorobenzene (Surr)	87		68 - 120		09/06/20 03:18	1
Dibromofluoromethane	109		80 - 127		09/06/20 03:18	1
Toluene-d8 (Surr)	102		80 - 120		09/06/20 03:18	1

Lab Sample ID: LCS 570-92787/3

Matrix: Water

Analysis Batch: 92787

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	10.0	10.01		ug/L		100	77 - 120
1,2-Dibromoethane	10.0	10.57		ug/L		106	80 - 120
1,2-Dichlorobenzene	10.0	10.12		ug/L		101	80 - 120
1,2-Dichloroethane	10.0	10.20		ug/L		102	80 - 122
Benzene	10.0	10.28		ug/L		103	80 - 120
Carbon tetrachloride	10.0	10.23		ug/L		102	80 - 129
Chlorobenzene	10.0	10.24		ug/L		102	80 - 120
Ethylbenzene	10.0	10.65		ug/L		107	80 - 120
Methyl-t-Butyl Ether (MTBE)	10.0	8.931		ug/L		89	75 - 123
o-Xylene	10.0	10.82		ug/L		108	80 - 120
m,p-Xylene	20.0	21.45		ug/L		107	80 - 120
Toluene	10.0	10.12		ug/L		101	80 - 120
Trichloroethene	10.0	10.02		ug/L		100	80 - 120
Vinyl chloride	10.0	11.07		ug/L		111	63 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 128
4-Bromofluorobenzene (Surr)	103		68 - 120

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-36887-1

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

Lab Sample ID: LCS 570-92787/3

Matrix: Water

Analysis Batch: 92787

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane	100		80 - 127
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: LCSD 570-92787/4

Matrix: Water

Analysis Batch: 92787

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-Dichloroethene	10.0	9.389		ug/L		94	77 - 120	6	26
1,2-Dibromoethane	10.0	9.667		ug/L		97	80 - 120	9	32
1,2-Dichlorobenzene	10.0	9.892		ug/L		99	80 - 120	2	30
1,2-Dichloroethane	10.0	10.24		ug/L		102	80 - 122	0	23
Benzene	10.0	9.632		ug/L		96	80 - 120	6	22
Carbon tetrachloride	10.0	9.448		ug/L		94	80 - 129	8	36
Chlorobenzene	10.0	9.491		ug/L		95	80 - 120	8	29
Ethylbenzene	10.0	9.790		ug/L		98	80 - 120	8	25
Methyl-t-Butyl Ether (MTBE)	10.0	8.827		ug/L		88	75 - 123	1	27
o-Xylene	10.0	10.00		ug/L		100	80 - 120	8	30
m,p-Xylene	20.0	20.05		ug/L		100	80 - 120	7	30
Toluene	10.0	9.817		ug/L		98	80 - 120	3	28
Trichloroethene	10.0	9.608		ug/L		96	80 - 120	4	25
Vinyl chloride	10.0	10.20		ug/L		102	63 - 135	8	30

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		80 - 128
4-Bromofluorobenzene (Surr)	100		68 - 120
Dibromofluoromethane	97		80 - 127
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: MB 570-92788/6

Matrix: Water

Analysis Batch: 92788

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	0.070	ug/L			09/05/20 23:17	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/05/20 23:17	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/05/20 23:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/05/20 23:17	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/05/20 23:17	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/05/20 23:17	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/05/20 23:17	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/05/20 23:17	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/05/20 23:17	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/05/20 23:17	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/05/20 23:17	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/05/20 23:17	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/05/20 23:17	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/05/20 23:17	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-36887-1

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

Lab Sample ID: MB 570-92788/6

Matrix: Water

Analysis Batch: 92788

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/05/20 23:17	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/05/20 23:17	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/05/20 23:17	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/05/20 23:17	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/05/20 23:17	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/05/20 23:17	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/05/20 23:17	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/05/20 23:17	1
2-Butanone	ND		5.0	0.46	ug/L			09/05/20 23:17	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/05/20 23:17	1
2-Hexanone	ND		10	0.50	ug/L			09/05/20 23:17	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/05/20 23:17	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/05/20 23:17	1
Acetone	ND		10	4.0	ug/L			09/05/20 23:17	1
Benzene	ND		0.50	0.072	ug/L			09/05/20 23:17	1
Bromobenzene	ND		0.50	0.061	ug/L			09/05/20 23:17	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/05/20 23:17	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/05/20 23:17	1
Bromoform	ND		0.50	0.096	ug/L			09/05/20 23:17	1
Bromomethane	ND		2.0	0.99	ug/L			09/05/20 23:17	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/05/20 23:17	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/05/20 23:17	1
Carbon disulfide	ND		10	0.39	ug/L			09/05/20 23:17	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/05/20 23:17	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/05/20 23:17	1
Chloroethane	ND		0.50	0.12	ug/L			09/05/20 23:17	1
Chloroform	ND		0.50	0.062	ug/L			09/05/20 23:17	1
Chloromethane	ND		5.0	2.0	ug/L			09/05/20 23:17	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/05/20 23:17	1
Dibromomethane	ND		0.50	0.13	ug/L			09/05/20 23:17	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/05/20 23:17	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/05/20 23:17	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/05/20 23:17	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/05/20 23:17	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/05/20 23:17	1
Naphthalene	ND		1.0	0.097	ug/L			09/05/20 23:17	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/05/20 23:17	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/05/20 23:17	1
o-Xylene	ND		0.50	0.086	ug/L			09/05/20 23:17	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/05/20 23:17	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/05/20 23:17	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/05/20 23:17	1
Styrene	ND		0.50	0.059	ug/L			09/05/20 23:17	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/05/20 23:17	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/05/20 23:17	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/05/20 23:17	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/05/20 23:17	1
Toluene	ND		0.50	0.093	ug/L			09/05/20 23:17	1
Trichloroethene	ND		0.50	0.10	ug/L			09/05/20 23:17	1

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QC Sample Results

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

Job ID: 570-36887-1

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

Lab Sample ID: MB 570-92788/6

Matrix: Water

Analysis Batch: 92788

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/05/20 23:17	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/05/20 23:17	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/05/20 23:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 128		09/05/20 23:17	1
4-Bromofluorobenzene (Surr)	92		68 - 120		09/05/20 23:17	1
Dibromofluoromethane	97		80 - 127		09/05/20 23:17	1
Toluene-d8 (Surr)	99		80 - 120		09/05/20 23:17	1

Lab Sample ID: LCS 570-92788/3

Matrix: Water

Analysis Batch: 92788

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	10.0	8.857		ug/L		89	77 - 120
1,2-Dibromoethane	10.0	9.692		ug/L		97	80 - 120
1,2-Dichlorobenzene	10.0	10.11		ug/L		101	80 - 120
1,2-Dichloroethane	10.0	9.470		ug/L		95	80 - 122
Benzene	10.0	9.488		ug/L		95	80 - 120
Carbon tetrachloride	10.0	8.907		ug/L		89	80 - 129
Chlorobenzene	10.0	9.781		ug/L		98	80 - 120
Ethylbenzene	10.0	9.439		ug/L		94	80 - 120
Methyl-t-Butyl Ether (MTBE)	10.0	8.411		ug/L		84	75 - 123
o-Xylene	10.0	9.500		ug/L		95	80 - 120
m,p-Xylene	20.0	19.17		ug/L		96	80 - 120
Toluene	10.0	9.386		ug/L		94	80 - 120
Trichloroethene	10.0	9.038		ug/L		90	80 - 120
Vinyl chloride	10.0	9.363		ug/L		94	63 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		80 - 128
4-Bromofluorobenzene (Surr)	95		68 - 120
Dibromofluoromethane	100		80 - 127
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCSD 570-92788/4

Matrix: Water

Analysis Batch: 92788

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-Dichloroethene	10.0	9.203		ug/L		92	77 - 120	4	26
1,2-Dibromoethane	10.0	9.664		ug/L		97	80 - 120	0	32
1,2-Dichlorobenzene	10.0	9.450		ug/L		95	80 - 120	7	30
1,2-Dichloroethane	10.0	9.634		ug/L		96	80 - 122	2	23
Benzene	10.0	9.854		ug/L		99	80 - 120	4	22
Carbon tetrachloride	10.0	9.170		ug/L		92	80 - 129	3	36
Chlorobenzene	10.0	9.817		ug/L		98	80 - 120	0	29

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-36887-1

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

Lab Sample ID: LCSD 570-92788/4

Matrix: Water

Analysis Batch: 92788

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
Ethylbenzene	10.0	9.581		ug/L		96	80 - 120	1	25
Methyl-t-Butyl Ether (MTBE)	10.0	8.436		ug/L		84	75 - 123	0	27
o-Xylene	10.0	9.673		ug/L		97	80 - 120	2	30
m,p-Xylene	20.0	19.31		ug/L		97	80 - 120	1	30
Toluene	10.0	9.626		ug/L		96	80 - 120	3	28
Trichloroethene	10.0	9.431		ug/L		94	80 - 120	4	25
Vinyl chloride	10.0	9.725		ug/L		97	63 - 135	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		80 - 128
4-Bromofluorobenzene (Surr)	97		68 - 120
Dibromofluoromethane	100		80 - 127
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: MB 570-92797/8

Matrix: Water

Analysis Batch: 92797

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	0.070	ug/L			09/06/20 20:34	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			09/06/20 20:34	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			09/06/20 20:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			09/06/20 20:34	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			09/06/20 20:34	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			09/06/20 20:34	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			09/06/20 20:34	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			09/06/20 20:34	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			09/06/20 20:34	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			09/06/20 20:34	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			09/06/20 20:34	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			09/06/20 20:34	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			09/06/20 20:34	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			09/06/20 20:34	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			09/06/20 20:34	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			09/06/20 20:34	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			09/06/20 20:34	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			09/06/20 20:34	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			09/06/20 20:34	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			09/06/20 20:34	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			09/06/20 20:34	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			09/06/20 20:34	1
2-Butanone	ND		5.0	0.46	ug/L			09/06/20 20:34	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			09/06/20 20:34	1
2-Hexanone	ND		10	0.50	ug/L			09/06/20 20:34	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			09/06/20 20:34	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			09/06/20 20:34	1
Acetone	ND		10	4.0	ug/L			09/06/20 20:34	1
Benzene	ND		0.50	0.072	ug/L			09/06/20 20:34	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-36887-1

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

Lab Sample ID: MB 570-92797/8

Matrix: Water

Analysis Batch: 92797

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		0.50	0.061	ug/L			09/06/20 20:34	1
Bromochloromethane	ND		1.0	0.082	ug/L			09/06/20 20:34	1
Bromodichloromethane	ND		0.50	0.053	ug/L			09/06/20 20:34	1
Bromoform	ND		0.50	0.096	ug/L			09/06/20 20:34	1
Bromomethane	ND		2.0	0.99	ug/L			09/06/20 20:34	1
cis-1,2-Dichloroethene	ND		0.50	0.11	ug/L			09/06/20 20:34	1
cis-1,3-Dichloropropene	ND		0.50	0.096	ug/L			09/06/20 20:34	1
Carbon disulfide	ND		10	0.39	ug/L			09/06/20 20:34	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			09/06/20 20:34	1
Chlorobenzene	ND		0.50	0.088	ug/L			09/06/20 20:34	1
Chloroethane	ND		0.50	0.12	ug/L			09/06/20 20:34	1
Chloroform	ND		0.50	0.062	ug/L			09/06/20 20:34	1
Chloromethane	ND		5.0	2.0	ug/L			09/06/20 20:34	1
Dibromochloromethane	ND		0.50	0.064	ug/L			09/06/20 20:34	1
Dibromomethane	ND		0.50	0.13	ug/L			09/06/20 20:34	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			09/06/20 20:34	1
Ethylbenzene	ND		0.50	0.087	ug/L			09/06/20 20:34	1
Isopropylbenzene	ND		0.50	0.077	ug/L			09/06/20 20:34	1
Methylene Chloride	ND		1.0	0.043	ug/L			09/06/20 20:34	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			09/06/20 20:34	1
Naphthalene	ND		1.0	0.097	ug/L			09/06/20 20:34	1
n-Butylbenzene	ND		0.50	0.11	ug/L			09/06/20 20:34	1
N-Propylbenzene	ND		0.50	0.076	ug/L			09/06/20 20:34	1
o-Xylene	ND		0.50	0.086	ug/L			09/06/20 20:34	1
m,p-Xylene	ND		1.0	0.15	ug/L			09/06/20 20:34	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			09/06/20 20:34	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			09/06/20 20:34	1
Styrene	ND		0.50	0.059	ug/L			09/06/20 20:34	1
trans-1,2-Dichloroethene	ND		0.50	0.082	ug/L			09/06/20 20:34	1
trans-1,3-Dichloropropene	ND		0.50	0.053	ug/L			09/06/20 20:34	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			09/06/20 20:34	1
Tetrachloroethene	ND		0.50	0.24	ug/L			09/06/20 20:34	1
Toluene	ND		0.50	0.093	ug/L			09/06/20 20:34	1
Trichloroethene	ND		0.50	0.10	ug/L			09/06/20 20:34	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			09/06/20 20:34	1
Vinyl acetate	ND		5.0	0.70	ug/L			09/06/20 20:34	1
Vinyl chloride	ND		0.50	0.078	ug/L			09/06/20 20:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		80 - 128		09/06/20 20:34	1
4-Bromofluorobenzene (Surr)	85		68 - 120		09/06/20 20:34	1
Dibromofluoromethane	113		80 - 127		09/06/20 20:34	1
Toluene-d8 (Surr)	100		80 - 120		09/06/20 20:34	1

QC Sample Results

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

Job ID: 570-36887-1

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

Lab Sample ID: LCS 570-92797/4

Matrix: Water

Analysis Batch: 92797

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	10.0	9.675		ug/L		97	77 - 120
1,2-Dibromoethane	10.0	10.29		ug/L		103	80 - 120
1,2-Dichlorobenzene	10.0	10.01		ug/L		100	80 - 120
1,2-Dichloroethane	10.0	10.22		ug/L		102	80 - 122
Benzene	10.0	9.931		ug/L		99	80 - 120
Carbon tetrachloride	10.0	10.21		ug/L		102	80 - 129
Chlorobenzene	10.0	9.808		ug/L		98	80 - 120
Ethylbenzene	10.0	10.19		ug/L		102	80 - 120
Methyl-t-Butyl Ether (MTBE)	10.0	10.28		ug/L		103	75 - 123
o-Xylene	10.0	10.30		ug/L		103	80 - 120
m,p-Xylene	20.0	20.74		ug/L		104	80 - 120
Toluene	10.0	9.956		ug/L		100	80 - 120
Trichloroethene	10.0	9.573		ug/L		96	80 - 120
Vinyl chloride	10.0	10.63		ug/L		106	63 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		80 - 128
4-Bromofluorobenzene (Surr)	102		68 - 120
Dibromofluoromethane	101		80 - 127
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 570-92797/5

Matrix: Water

Analysis Batch: 92797

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-Dichloroethene	10.0	9.504		ug/L		95	77 - 120	2	26
1,2-Dibromoethane	10.0	10.67		ug/L		107	80 - 120	4	32
1,2-Dichlorobenzene	10.0	10.20		ug/L		102	80 - 120	2	30
1,2-Dichloroethane	10.0	10.07		ug/L		101	80 - 122	1	23
Benzene	10.0	9.839		ug/L		98	80 - 120	1	22
Carbon tetrachloride	10.0	10.08		ug/L		101	80 - 129	1	36
Chlorobenzene	10.0	10.02		ug/L		100	80 - 120	2	29
Ethylbenzene	10.0	10.54		ug/L		105	80 - 120	3	25
Methyl-t-Butyl Ether (MTBE)	10.0	10.37		ug/L		104	75 - 123	1	27
o-Xylene	10.0	10.55		ug/L		106	80 - 120	2	30
m,p-Xylene	20.0	21.48		ug/L		107	80 - 120	4	30
Toluene	10.0	10.09		ug/L		101	80 - 120	1	28
Trichloroethene	10.0	9.785		ug/L		98	80 - 120	2	25
Vinyl chloride	10.0	10.44		ug/L		104	63 - 135	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		80 - 128
4-Bromofluorobenzene (Surr)	103		68 - 120
Dibromofluoromethane	98		80 - 127
Toluene-d8 (Surr)	101		80 - 120

QC Sample Results

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

Job ID: 570-36887-1

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

Lab Sample ID: 570-36904-A-5 MS

Matrix: Water

Analysis Batch: 92797

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-Dichloroethene	1100	E	10.0	1033	E 4	ug/L		-366	66 - 126
1,2-Dibromoethane	ND		10.0	10.83		ug/L		108	75 - 126
1,2-Dichlorobenzene	ND		10.0	10.20		ug/L		102	75 - 125
1,2-Dichloroethane	ND		10.0	10.47		ug/L		105	75 - 127
Benzene	0.87		10.0	11.81		ug/L		109	75 - 125
Carbon tetrachloride	3.2		10.0	15.18		ug/L		120	69 - 135
Chlorobenzene	ND		10.0	10.24		ug/L		102	75 - 125
Ethylbenzene	ND		10.0	10.10		ug/L		101	75 - 125
Methyl-t-Butyl Ether (MTBE)	ND		10.0	8.976		ug/L		90	71 - 131
o-Xylene	ND		10.0	10.23		ug/L		102	75 - 127
m,p-Xylene	ND		20.0	20.36		ug/L		102	75 - 125
Toluene	ND		10.0	10.52		ug/L		105	75 - 125
Trichloroethene	1200	E	10.0	1163	E 4	ug/L		-507	75 - 125
Vinyl chloride	0.37	J	10.0	11.20		ug/L		108	52 - 142
MS MS									
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	102		80 - 128						
4-Bromofluorobenzene (Surr)	97		68 - 120						
Dibromofluoromethane	101		80 - 127						
Toluene-d8 (Surr)	104		80 - 120						

Lab Sample ID: 570-36904-A-5 MSD

Matrix: Water

Analysis Batch: 92797

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-Dichloroethene	1100	E	10.0	970.1	E 4	ug/L		-998	66 - 126	6	20
1,2-Dibromoethane	ND		10.0	10.37		ug/L		104	75 - 126	4	20
1,2-Dichlorobenzene	ND		10.0	10.30		ug/L		103	75 - 125	1	20
1,2-Dichloroethane	ND		10.0	10.40		ug/L		104	75 - 127	1	20
Benzene	0.87		10.0	11.41		ug/L		105	75 - 125	3	20
Carbon tetrachloride	3.2		10.0	14.81		ug/L		117	69 - 135	2	20
Chlorobenzene	ND		10.0	10.03		ug/L		100	75 - 125	2	20
Ethylbenzene	ND		10.0	10.17		ug/L		102	75 - 125	1	20
Methyl-t-Butyl Ether (MTBE)	ND		10.0	9.281		ug/L		93	71 - 131	3	20
o-Xylene	ND		10.0	10.14		ug/L		101	75 - 127	1	20
m,p-Xylene	ND		20.0	19.99		ug/L		100	75 - 125	2	20
Toluene	ND		10.0	10.55		ug/L		106	75 - 125	0	20
Trichloroethene	1200	E	10.0	1080	E 4	ug/L		-1340	75 - 125	7	20
Vinyl chloride	0.37	J	10.0	11.91		ug/L		115	52 - 142	6	20
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	100		80 - 128								
4-Bromofluorobenzene (Surr)	97		68 - 120								
Dibromofluoromethane	101		80 - 127								
Toluene-d8 (Surr)	101		80 - 120								

QC Sample Results

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

Job ID: 570-36887-1

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

Lab Sample ID: MB 570-90698/1-A

Matrix: Water

Analysis Batch: 90749

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 90698

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50	0.18	ug/L		08/27/20 10:16	08/27/20 19:20	1
Isotope Dilution	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	70		15 - 150				08/27/20 10:16	08/27/20 19:20	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	121		46 - 128				08/27/20 10:16	08/27/20 19:20	1

Lab Sample ID: LCS 570-90698/2-A

Matrix: Water

Analysis Batch: 90749

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 90698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	20.0	16.74		ug/L		84	57 - 136
Isotope Dilution	%Recovery	LCS Qualifier	Limits				
1,4-Dioxane-d8	59		15 - 150				
Surrogate	%Recovery	LCS Qualifier	Limits				
Nitrobenzene-d5	106		46 - 128				

Lab Sample ID: LCSD 570-90698/3-A

Matrix: Water

Analysis Batch: 90749

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 90698

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	20.0	17.36		ug/L		87	57 - 136	4	20
Isotope Dilution	%Recovery	LCSD Qualifier	Limits						
1,4-Dioxane-d8	61		15 - 150						
Surrogate	%Recovery	LCSD Qualifier	Limits						
Nitrobenzene-d5	104		46 - 128						

Lab Sample ID: 570-36904-D-5-A MS

Matrix: Water

Analysis Batch: 90749

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 90698

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	ND		19.9	16.88		ug/L		85	45 - 139
Isotope Dilution	%Recovery	MS Qualifier	Limits						
1,4-Dioxane-d8	57		15 - 150						
Surrogate	%Recovery	MS Qualifier	Limits						
Nitrobenzene-d5	109		46 - 128						

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QC Sample Results

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

Job ID: 570-36887-1

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

Lab Sample ID: 570-36904-D-5-B MSD

Matrix: Water

Analysis Batch: 90749

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 90698

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	ND		19.9	17.27		ug/L		87	45 - 139	2	17
	MSD	MSD									
Isotope Dilution	%Recovery	Qualifier	Limits								
1,4-Dioxane-d8	56		15 - 150								
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
Nitrobenzene-d5	102		46 - 128								

QC Association Summary

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

Job ID: 570-36887-1

GC/MS VOA

Analysis Batch: 92787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-36887-1	TB-082620	Total/NA	Water	8260B	
570-36887-2	UA-07D	Total/NA	Water	8260B	
570-36887-3	UA-07	Total/NA	Water	8260B	
570-36887-4	S-26	Total/NA	Water	8260B	
570-36887-5	UA-06D	Total/NA	Water	8260B	
570-36887-6	UA-06	Total/NA	Water	8260B	
570-36887-9	RB-082620A	Total/NA	Water	8260B	
570-36887-10	LAX-02	Total/NA	Water	8260B	
570-36887-11	S-14	Total/NA	Water	8260B	
570-36887-12	LAX-03	Total/NA	Water	8260B	
570-36887-13	S-29	Total/NA	Water	8260B	
570-36887-14	UA-12D	Total/NA	Water	8260B	
570-36887-15	UA-12	Total/NA	Water	8260B	
570-36887-17	UA-10D	Total/NA	Water	8260B	
570-36887-19	S-08	Total/NA	Water	8260B	
MB 570-92787/7	Method Blank	Total/NA	Water	8260B	
LCS 570-92787/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-92787/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 92788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-36887-20	SE-01	Total/NA	Water	8260B	
570-36887-21	S-31	Total/NA	Water	8260B	
570-36887-22	UA-08D	Total/NA	Water	8260B	
570-36887-23	UA-08	Total/NA	Water	8260B	
570-36887-24	RB-082620B	Total/NA	Water	8260B	
570-36887-25	HEW-04	Total/NA	Water	8260B	
570-36887-26	HEW-0400	Total/NA	Water	8260B	
570-36887-27	S-24	Total/NA	Water	8260B	
570-36887-28	UA-15D	Total/NA	Water	8260B	
570-36887-29	AB-02	Total/NA	Water	8260B	
570-36887-30	UAX-03	Total/NA	Water	8260B	
570-36887-31	UAX-02	Total/NA	Water	8260B	
570-36887-32	UAX-0200	Total/NA	Water	8260B	
570-36887-34	S-07	Total/NA	Water	8260B	
570-36887-35	UA-02	Total/NA	Water	8260B	
570-36887-36	HEW-03	Total/NA	Water	8260B	
MB 570-92788/6	Method Blank	Total/NA	Water	8260B	
LCS 570-92788/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-92788/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 92797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-36887-7	AB-01	Total/NA	Water	8260B	
570-36887-8	AB-0100	Total/NA	Water	8260B	
570-36887-16	AB-06	Total/NA	Water	8260B	
570-36887-18	UB-04	Total/NA	Water	8260B	
570-36887-33	SE-04	Total/NA	Water	8260B	
MB 570-92797/8	Method Blank	Total/NA	Water	8260B	
LCS 570-92797/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-92797/5	Lab Control Sample Dup	Total/NA	Water	8260B	

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QC Association Summary

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

Job ID: 570-36887-1

GC/MS VOA (Continued)

Analysis Batch: 92797 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-36904-A-5 MS	Matrix Spike	Total/NA	Water	8260B	
570-36904-A-5 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 90698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-36887-10	LAX-02	Total/NA	Water	3510C	
570-36887-12	LAX-03	Total/NA	Water	3510C	
570-36887-25	HEW-04	Total/NA	Water	3510C	
570-36887-26	HEW-0400	Total/NA	Water	3510C	
570-36887-30	UAX-03	Total/NA	Water	3510C	
570-36887-31	UAX-02	Total/NA	Water	3510C	
570-36887-32	UAX-0200	Total/NA	Water	3510C	
570-36887-36	HEW-03	Total/NA	Water	3510C	
MB 570-90698/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-90698/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-90698/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
570-36904-D-5-A MS	Matrix Spike	Total/NA	Water	3510C	
570-36904-D-5-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 90749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-36887-10	LAX-02	Total/NA	Water	8270C SIM ID	90698
570-36887-12	LAX-03	Total/NA	Water	8270C SIM ID	90698
570-36887-25	HEW-04	Total/NA	Water	8270C SIM ID	90698
570-36887-26	HEW-0400	Total/NA	Water	8270C SIM ID	90698
570-36887-30	UAX-03	Total/NA	Water	8270C SIM ID	90698
570-36887-31	UAX-02	Total/NA	Water	8270C SIM ID	90698
570-36887-32	UAX-0200	Total/NA	Water	8270C SIM ID	90698
570-36887-36	HEW-03	Total/NA	Water	8270C SIM ID	90698
MB 570-90698/1-A	Method Blank	Total/NA	Water	8270C SIM ID	90698
LCS 570-90698/2-A	Lab Control Sample	Total/NA	Water	8270C SIM ID	90698
LCSD 570-90698/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM ID	90698
570-36904-D-5-A MS	Matrix Spike	Total/NA	Water	8270C SIM ID	90698
570-36904-D-5-B MSD	Matrix Spike Duplicate	Total/NA	Water	8270C SIM ID	90698

Lab Chronicle

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

Job ID: 570-36887-1

Client Sample ID: TB-082620

Lab Sample ID: 570-36887-1

Date Collected: 08/26/20 08:00

Matrix: Water

Date Received: 08/26/20 15:05

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	5 mL	5 mL	92787	09/06/20 03:46	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: UA-07D

Lab Sample ID: 570-36887-2

Date Collected: 08/26/20 08:20

Matrix: Water

Date Received: 08/26/20 15:05

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	5 mL	5 mL	92787	09/06/20 04:14	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: UA-07

Lab Sample ID: 570-36887-3

Date Collected: 08/26/20 08:34

Matrix: Water

Date Received: 08/26/20 15:05

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	5 mL	5 mL	92787	09/06/20 04:42	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: S-26

Lab Sample ID: 570-36887-4

Date Collected: 08/26/20 08:45

Matrix: Water

Date Received: 08/26/20 15:05

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	5 mL	5 mL	92787	09/06/20 05:09	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: UA-06D

Lab Sample ID: 570-36887-5

Date Collected: 08/26/20 08:55

Matrix: Water

Date Received: 08/26/20 15:05

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	5 mL	5 mL	92787	09/06/20 05:37	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: UA-06

Lab Sample ID: 570-36887-6

Date Collected: 08/26/20 09:06

Matrix: Water

Date Received: 08/26/20 15:05

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	5 mL	5 mL	92787	09/06/20 06:05	UX77	ECL 2
Instrument ID: GCMST										

Lab Chronicle

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

Job ID: 570-36887-1

Client Sample ID: AB-01

Date Collected: 08/26/20 09:15

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-7

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	5 mL	5 mL	92797	09/06/20 21:41	UJHB	ECL 2
Instrument ID: GCMST										

Client Sample ID: AB-0100

Date Collected: 08/26/20 09:20

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-8

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	5 mL	5 mL	92797	09/06/20 22:09	UJHB	ECL 2
Instrument ID: GCMST										

Client Sample ID: RB-082620A

Date Collected: 08/26/20 09:25

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-9

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	5 mL	5 mL	92787	09/06/20 06:33	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: LAX-02

Date Collected: 08/26/20 09:40

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-10

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	5 mL	5 mL	92787	09/06/20 07:01	UX77	ECL 2
Instrument ID: GCMST										
Total/NA	Prep	3510C			100.2 mL	10 mL	90698	08/27/20 10:16		ECL 1
Total/NA	Analysis	8270C SIM ID		1			90749	08/27/20 22:15	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: S-14

Date Collected: 08/26/20 09:56

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-11

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	5 mL	5 mL	92787	09/06/20 07:29	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: LAX-03

Date Collected: 08/26/20 10:14

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-12

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	5 mL	5 mL	92787	09/06/20 07:56	UX77	ECL 2
Instrument ID: GCMST										

Lab Chronicle

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

Job ID: 570-36887-1

Client Sample ID: LAX-03

Date Collected: 08/26/20 10:14

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			100.4 mL	10 mL	90698	08/27/20 10:16		ECL 1
Total/NA	Analysis	8270C SIM ID		1			90749	08/27/20 22:30	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: S-29

Date Collected: 08/26/20 10:40

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-13

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	5 mL	5 mL	92787	09/06/20 08:24	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: UA-12D

Date Collected: 08/26/20 10:50

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-14

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	5 mL	5 mL	92787	09/06/20 08:52	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: UA-12

Date Collected: 08/26/20 11:00

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-15

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	5 mL	5 mL	92787	09/06/20 09:19	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: AB-06

Date Collected: 08/26/20 12:38

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-16

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	5 mL	5 mL	92797	09/06/20 22:37	UJHB	ECL 2
Instrument ID: GCMST										

Client Sample ID: UA-10D

Date Collected: 08/26/20 12:50

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-17

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	5 mL	5 mL	92787	09/06/20 09:47	UX77	ECL 2
Instrument ID: GCMST										

Lab Chronicle

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

Job ID: 570-36887-1

Client Sample ID: UB-04

Date Collected: 08/26/20 12:55

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-18

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	5 mL	5 mL	92797	09/06/20 23:05	UJHB	ECL 2
Instrument ID: GCMST										

Client Sample ID: S-08

Date Collected: 08/26/20 13:26

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-19

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		50	5 mL	5 mL	92787	09/06/20 12:06	UX77	ECL 2
Instrument ID: GCMST										

Client Sample ID: SE-01

Date Collected: 08/26/20 13:33

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-20

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		200	20 mL	20 mL	92788	09/06/20 06:32	UX77	ECL 2
Instrument ID: GCMSVV										

Client Sample ID: S-31

Date Collected: 08/26/20 08:08

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-21

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	92788	09/06/20 01:00	UX77	ECL 2
Instrument ID: GCMSVV										

Client Sample ID: UA-08D

Date Collected: 08/26/20 08:22

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-22

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	92788	09/06/20 01:25	UX77	ECL 2
Instrument ID: GCMSVV										

Client Sample ID: UA-08

Date Collected: 08/26/20 08:35

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-23

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	92788	09/06/20 01:51	UX77	ECL 2
Instrument ID: GCMSVV										

Lab Chronicle

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

Job ID: 570-36887-1

Client Sample ID: RB-082620B

Lab Sample ID: 570-36887-24

Date Collected: 08/26/20 08:43

Matrix: Water

Date Received: 08/26/20 15:05

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	92788	09/06/20 02:16	UX77	ECL 2
Instrument ID: GCMSVV										

Client Sample ID: HEW-04

Lab Sample ID: 570-36887-25

Date Collected: 08/26/20 08:58

Matrix: Water

Date Received: 08/26/20 15:05

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	92788	09/06/20 06:58	UX77	ECL 2
Instrument ID: GCMSVV										
Total/NA	Prep	3510C			100.3 mL	10 mL	90698	08/27/20 10:16		ECL 1
Total/NA	Analysis	8270C SIM ID		1			90749	08/27/20 22:46	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: HEW-0400

Lab Sample ID: 570-36887-26

Date Collected: 08/26/20 09:04

Matrix: Water

Date Received: 08/26/20 15:05

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	92788	09/06/20 07:24	UX77	ECL 2
Instrument ID: GCMSVV										
Total/NA	Prep	3510C			100.2 mL	10 mL	90698	08/27/20 10:16		ECL 1
Total/NA	Analysis	8270C SIM ID		1			90749	08/27/20 23:02	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: S-24

Lab Sample ID: 570-36887-27

Date Collected: 08/26/20 09:20

Matrix: Water

Date Received: 08/26/20 15:05

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	92788	09/06/20 02:42	UX77	ECL 2
Instrument ID: GCMSVV										

Client Sample ID: UA-15D

Lab Sample ID: 570-36887-28

Date Collected: 08/26/20 09:50

Matrix: Water

Date Received: 08/26/20 15:05

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	92788	09/06/20 05:16	UX77	ECL 2
Instrument ID: GCMSVV										

Lab Chronicle

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

Job ID: 570-36887-1

Client Sample ID: AB-02

Date Collected: 08/26/20 09:56

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-29

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	92788	09/06/20 05:41	UX77	ECL 2
Instrument ID: GCMSVV										

Client Sample ID: UAX-03

Date Collected: 08/26/20 10:04

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-30

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	92788	09/06/20 03:08	UX77	ECL 2
Instrument ID: GCMSVV										
Total/NA	Prep	3510C			100.4 mL	10 mL	90698	08/27/20 10:16		ECL 1
Total/NA	Analysis	8270C SIM ID		1			90749	08/27/20 23:18	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: UAX-02

Date Collected: 08/26/20 10:35

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-31

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	92788	09/06/20 03:33	UX77	ECL 2
Instrument ID: GCMSVV										
Total/NA	Prep	3510C			100.3 mL	10 mL	90698	08/27/20 10:16		ECL 1
Total/NA	Analysis	8270C SIM ID		1			90749	08/27/20 23:34	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: UAX-0200

Date Collected: 08/26/20 10:50

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-32

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		1	20 mL	20 mL	92788	09/06/20 03:59	UX77	ECL 2
Instrument ID: GCMSVV										
Total/NA	Prep	3510C			100.4 mL	10 mL	90698	08/27/20 10:16		ECL 1
Total/NA	Analysis	8270C SIM ID		1			90749	08/27/20 23:50	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: SE-04

Date Collected: 08/26/20 11:15

Date Received: 08/26/20 15:05

Lab Sample ID: 570-36887-33

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	5 mL	5 mL	92797	09/06/20 23:33	UJHB	ECL 2
Instrument ID: GCMST										

Lab Chronicle

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

Job ID: 570-36887-1

Client Sample ID: S-07

Lab Sample ID: 570-36887-34

Date Collected: 08/26/20 12:45

Matrix: Water

Date Received: 08/26/20 15:05

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	92788	09/06/20 04:24	UX77	ECL 2
Instrument ID: GCMSVV										

Client Sample ID: UA-02

Lab Sample ID: 570-36887-35

Date Collected: 08/26/20 13:20

Matrix: Water

Date Received: 08/26/20 15:05

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	92788	09/06/20 04:50	UX77	ECL 2
Instrument ID: GCMSVV										

Client Sample ID: HEW-03

Lab Sample ID: 570-36887-36

Date Collected: 08/26/20 13:38

Matrix: Water

Date Received: 08/26/20 15:05

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	92788	09/06/20 07:49	UX77	ECL 2
Instrument ID: GCMSVV										
Total/NA	Prep	3510C			100.2 mL	10 mL	90698	08/27/20 10:16		ECL 1
Total/NA	Analysis	8270C SIM ID		1			90749	08/28/20 00:06	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.

Job ID: 570-36887-1

Project/Site: Raytheon Full Scale/Bldg 684 (Fullerton)

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	09-29-20
California	SCAQMD LAP	17LA0919	11-30-20
California	State	2944	09-29-20
Guam	State	20-003R	10-31-20
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-20

Method Summary

Client: Hargis + Associates, Inc.

Job ID: 570-36887-1

Project/Site: Raytheon Full Scale/Bldg 684 (Fullerton)

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

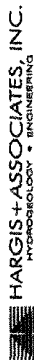
Sample Summary

Client: Hargis + Associates, Inc.

Job ID: 570-36887-1

Project/Site: Raytheon Full Scale/Bldg 684 (Fullerton)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-36887-1	TB-082620	Water	08/26/20 08:00	08/26/20 15:05	
570-36887-2	UA-07D	Water	08/26/20 08:20	08/26/20 15:05	
570-36887-3	UA-07	Water	08/26/20 08:34	08/26/20 15:05	
570-36887-4	S-26	Water	08/26/20 08:45	08/26/20 15:05	
570-36887-5	UA-06D	Water	08/26/20 08:55	08/26/20 15:05	
570-36887-6	UA-06	Water	08/26/20 09:06	08/26/20 15:05	
570-36887-7	AB-01	Water	08/26/20 09:15	08/26/20 15:05	
570-36887-8	AB-0100	Water	08/26/20 09:20	08/26/20 15:05	
570-36887-9	RB-082620A	Water	08/26/20 09:25	08/26/20 15:05	
570-36887-10	LAX-02	Water	08/26/20 09:40	08/26/20 15:05	
570-36887-11	S-14	Water	08/26/20 09:56	08/26/20 15:05	
570-36887-12	LAX-03	Water	08/26/20 10:14	08/26/20 15:05	
570-36887-13	S-29	Water	08/26/20 10:40	08/26/20 15:05	
570-36887-14	UA-12D	Water	08/26/20 10:50	08/26/20 15:05	
570-36887-15	UA-12	Water	08/26/20 11:00	08/26/20 15:05	
570-36887-16	AB-06	Water	08/26/20 12:38	08/26/20 15:05	
570-36887-17	UA-10D	Water	08/26/20 12:50	08/26/20 15:05	
570-36887-18	UB-04	Water	08/26/20 12:55	08/26/20 15:05	
570-36887-19	S-08	Water	08/26/20 13:26	08/26/20 15:05	
570-36887-20	SE-01	Water	08/26/20 13:33	08/26/20 15:05	
570-36887-21	S-31	Water	08/26/20 08:08	08/26/20 15:05	
570-36887-22	UA-08D	Water	08/26/20 08:22	08/26/20 15:05	
570-36887-23	UA-08	Water	08/26/20 08:35	08/26/20 15:05	
570-36887-24	RB-082620B	Water	08/26/20 08:43	08/26/20 15:05	
570-36887-25	HEW-04	Water	08/26/20 08:58	08/26/20 15:05	
570-36887-26	HEW-0400	Water	08/26/20 09:04	08/26/20 15:05	
570-36887-27	S-24	Water	08/26/20 09:20	08/26/20 15:05	
570-36887-28	UA-15D	Water	08/26/20 09:50	08/26/20 15:05	
570-36887-29	AB-02	Water	08/26/20 09:56	08/26/20 15:05	
570-36887-30	UAX-03	Water	08/26/20 10:04	08/26/20 15:05	
570-36887-31	UAX-02	Water	08/26/20 10:35	08/26/20 15:05	
570-36887-32	UAX-0200	Water	08/26/20 10:50	08/26/20 15:05	
570-36887-33	SE-04	Water	08/26/20 11:15	08/26/20 15:05	
570-36887-34	S-07	Water	08/26/20 12:45	08/26/20 15:05	
570-36887-35	UA-02	Water	08/26/20 13:20	08/26/20 15:05	
570-36887-36	HEW-03	Water	08/26/20 13:38	08/26/20 15:05	

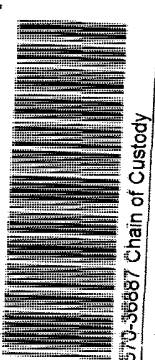


PROJECT: Building 684 - Raytheon
TASK NO.: 764.10

Project Manager Steve Netto
QA Manager Tyler Evans
Phone 858-455-6500

Date: 8/26/20
Page 1 of 4

Laboratory
Eurofins Calscience, Inc
Attn: Virendra Patel



Project BCI Fullerton 764.10	LAB ID	SAMPLE COLLECTION		Sampled By: AMD / TJE
		Date	Time	
1	TR-082620	8/26/20	8:00	
2	UA-07D		8:20	
3	UA-07		8:34	
4	S-26		8:45	
5	UA-06D		8:55	
6	UA-06		9:06	
7	AB-01		9:15	
8	AB-0100		9:20	
9	LB-082620A		9:25	
10	LAX-02		9:40	
11	S-14		9:56	
12	LAX-03		10:14	
13	S-29		10:40	
14	UA-12D		10:50	
15	UA-12		11:00	
16	AB-06		12:38	

MATRIX	PRESERVATION	CONTAINERS	ANALYSIS REQUESTED	ESTIMATED CONCENTRATION	SPECIAL HANDLING
Groundwater	Hydrochloric Acid (HCl)	Ice	VOCs by EPA 8260B	0-10	Standard TAT
Lab prepared water		40-ml VOA	1,4-Dioxane by 8270 MOD	10-100	
		500 mL Amber		100-1,000	
				>1,000	

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	8/26/20 15:05	Danmye ta	8/26/20 15:05
Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time

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

Send Results to:
Steve Netto

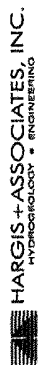
9171 Towne Centre Dr.
Suite 375

San Diego, CA 92122
Ph: 858-455-6500

shetto@hargis.com

Temperature on receipt

27/2.3 3.0/2.6 sub



HARGIS + ASSOCIATES, INC.
HYDROLOGY • ENGINEERING

PROJECT: Building 684 - Raytheon
TASK NO.: 764.10

Project Manager Steve Netto
QA Manager Tyler Evans
Phone 858-455-6500

Date: 8.26.20
Page 3 of 4

Project	LAB ID	Sampled By:	SAMPLE COLLECTION		MATRIX	PRESERVATION	CONTAINERS	ANALYSIS REQUESTED	ESTIMATED CONCENTRATION	SPECIAL HANDLING	REMARKS
			Date	Time							
BCI Fullerton 764.10		<u>DJS</u>									
	21	S-31	8-26-20	8:08	Groundwater		500 mL Amber	VOCs by EPA 8260B	1,4-Dioxane by 8270 MOD		
	22	UA-08D		8:22			40 mL VOA			Standard TAT	
	23	UA-08		8:35							
	24	RB-083620B		8:43							
	25	HEW-04		8:58							
	26	HEW-0400		8:04							
	27	S-24		8:20							
	28	UA-15D		09:50							
	29	AB-02		09:56							
	30	UAX-03		10:04							
	31	UAH-02		10:35							
	32	UAF-0200		10:50							
	33	SE-04		11:15							
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>J. Netto</u> / H4A			8/26/20 15:05			<u>D. Netto</u> / H4A			8/26/20 15:05		
Relinquished By: / Company:			Date / Time			Received By: / Company			Date / Time		

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: 570-36887-1

Login Number: 36887

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

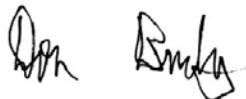
Laboratory Job ID: 570-43571-1

Client Project/Site: Raytheon Bldg 684 / 764.10

For:

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

Attn: Steve Netto



Authorized for release by:

11/25/2020 9:45:15 AM

Don Burley, Senior Project Manager
(714)895-5494

Donald.Burley@eurofinset.com

Designee for

Virendra Patel, Project Manager I
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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 Bldg 684 / 764.10

Job ID: 570-43571-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance 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 (± 4 SD from the mean).

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: Raytheon Bldg 684 / 764.10

Job ID: 570-43571-1

Job ID: 570-43571-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative 570-43571-1

Comments

No additional comments.

Receipt

The samples were received on 11/11/2020 5:00 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.3° C.

Receipt Exception

The laboratory received 3-40 ml voa vial with HCL for EPA 8260 analysis that was not requested on the Chain-of-Custody for the following sample: LAX-02 (570-43571-6).

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 Bldg 684 / 764.10

Job ID: 570-43571-1

Client Sample ID: TB-11120

Lab Sample ID: 570-43571-1

No Detections.

Client Sample ID: LAX-01

Lab Sample ID: 570-43571-2

No Detections.

Client Sample ID: UAX-03

Lab Sample ID: 570-43571-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.54		0.50		ug/L	1		8260B	Total/NA
Trichloroethene	10		0.50		ug/L	1		8260B	Total/NA

Client Sample ID: HEW-04

Lab Sample ID: 570-43571-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	110		2.0		ug/L	4		8260B	Total/NA
1,4-Dioxane	6.3		0.50		ug/L	1		8270C SIM ID	Total/NA

Client Sample ID: UAX-02

Lab Sample ID: 570-43571-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	3.8		0.50		ug/L	1		8260B	Total/NA
Trichloroethene	4.5		0.50		ug/L	1		8260B	Total/NA
1,4-Dioxane	1.7		0.50		ug/L	1		8270C SIM ID	Total/NA

Client Sample ID: LAX-02

Lab Sample ID: 570-43571-6

No Detections.

Client Sample ID: HEW-01

Lab Sample ID: 570-43571-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	10		10		ug/L	20		8260B	Total/NA
Trichloroethene	680		10		ug/L	20		8260B	Total/NA

Client Sample ID: UAX-01

Lab Sample ID: 570-43571-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	2.1		0.50		ug/L	1		8260B	Total/NA
Trichloroethene	2.5		0.50		ug/L	1		8260B	Total/NA

Client Sample ID: LAX-03

Lab Sample ID: 570-43571-9

No Detections.

Client Sample ID: RB-11120

Lab Sample ID: 570-43571-10

No Detections.

This Detection Summary does not include radiochemical test results.

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Client Sample Results

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

Job ID: 570-43571-1

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

Client Sample ID: TB-111120
Date Collected: 11/11/20 07:30
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			11/21/20 23:26	1
1,1,1-Trichloroethane	ND		0.50		ug/L			11/21/20 23:26	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			11/21/20 23:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			11/21/20 23:26	1
1,1,2-Trichloroethane	ND		0.50		ug/L			11/21/20 23:26	1
1,1-Dichloroethane	ND		0.50		ug/L			11/21/20 23:26	1
1,1-Dichloroethene	ND		0.50		ug/L			11/21/20 23:26	1
1,1-Dichloropropene	ND		0.50		ug/L			11/21/20 23:26	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			11/21/20 23:26	1
1,2,3-Trichloropropane	ND		0.50		ug/L			11/21/20 23:26	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			11/21/20 23:26	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			11/21/20 23:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			11/21/20 23:26	1
1,2-Dibromoethane	ND		0.50		ug/L			11/21/20 23:26	1
1,2-Dichlorobenzene	ND		0.50		ug/L			11/21/20 23:26	1
1,2-Dichloroethane	ND		0.50		ug/L			11/21/20 23:26	1
1,2-Dichloropropane	ND		0.50		ug/L			11/21/20 23:26	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			11/21/20 23:26	1
1,3-Dichlorobenzene	ND		0.50		ug/L			11/21/20 23:26	1
1,3-Dichloropropane	ND		0.50		ug/L			11/21/20 23:26	1
1,4-Dichlorobenzene	ND		0.50		ug/L			11/21/20 23:26	1
2,2-Dichloropropane	ND		0.50		ug/L			11/21/20 23:26	1
2-Butanone	ND		5.0		ug/L			11/21/20 23:26	1
2-Chlorotoluene	ND		0.50		ug/L			11/21/20 23:26	1
2-Hexanone	ND		6.0		ug/L			11/21/20 23:26	1
4-Chlorotoluene	ND		0.50		ug/L			11/21/20 23:26	1
4-Methyl-2-pentanone	ND		5.0		ug/L			11/21/20 23:26	1
Acetone	ND		8.0		ug/L			11/21/20 23:26	1
Benzene	ND		0.50		ug/L			11/21/20 23:26	1
Bromobenzene	ND		0.50		ug/L			11/21/20 23:26	1
Bromochloromethane	ND		1.0		ug/L			11/21/20 23:26	1
Bromodichloromethane	ND		0.50		ug/L			11/21/20 23:26	1
Bromoform	ND		0.50		ug/L			11/21/20 23:26	1
Bromomethane	ND		1.0		ug/L			11/21/20 23:26	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			11/21/20 23:26	1
cis-1,3-Dichloropropane	ND		0.50		ug/L			11/21/20 23:26	1
Carbon disulfide	ND		1.0		ug/L			11/21/20 23:26	1
Carbon tetrachloride	ND		0.50		ug/L			11/21/20 23:26	1
Chlorobenzene	ND		0.50		ug/L			11/21/20 23:26	1
Chloroethane	ND		0.50		ug/L			11/21/20 23:26	1
Chloroform	ND		0.50		ug/L			11/21/20 23:26	1
Chloromethane	ND		1.0		ug/L			11/21/20 23:26	1
Dibromochloromethane	ND		0.50		ug/L			11/21/20 23:26	1
Dibromomethane	ND		0.50		ug/L			11/21/20 23:26	1
Dichlorodifluoromethane	ND		1.0		ug/L			11/21/20 23:26	1
Ethylbenzene	ND		0.50		ug/L			11/21/20 23:26	1
Isopropylbenzene	ND		0.50		ug/L			11/21/20 23:26	1
Methylene Chloride	ND		1.0		ug/L			11/21/20 23:26	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			11/21/20 23:26	1

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Client Sample Results

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

Job ID: 570-43571-1

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

Client Sample ID: TB-111120
Date Collected: 11/11/20 07:30
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0		ug/L			11/21/20 23:26	1
n-Butylbenzene	ND		0.50		ug/L			11/21/20 23:26	1
N-Propylbenzene	ND		0.50		ug/L			11/21/20 23:26	1
o-Xylene	ND		0.50		ug/L			11/21/20 23:26	1
m,p-Xylene	ND		1.0		ug/L			11/21/20 23:26	1
p-Isopropyltoluene	ND		0.50		ug/L			11/21/20 23:26	1
sec-Butylbenzene	ND		0.50		ug/L			11/21/20 23:26	1
Styrene	ND		0.50		ug/L			11/21/20 23:26	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			11/21/20 23:26	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			11/21/20 23:26	1
tert-Butylbenzene	ND		0.50		ug/L			11/21/20 23:26	1
Tetrachloroethene	ND		0.50		ug/L			11/21/20 23:26	1
Toluene	ND		0.50		ug/L			11/21/20 23:26	1
Trichloroethene	ND		0.50		ug/L			11/21/20 23:26	1
Trichlorofluoromethane	ND		0.50		ug/L			11/21/20 23:26	1
Vinyl acetate	ND		5.0		ug/L			11/21/20 23:26	1
Vinyl chloride	ND		0.50		ug/L			11/21/20 23:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		80 - 128		11/21/20 23:26	1
4-Bromofluorobenzene (Surr)	93		68 - 120		11/21/20 23:26	1
Dibromofluoromethane	104		80 - 127		11/21/20 23:26	1
Toluene-d8 (Surr)	100		80 - 120		11/21/20 23:26	1

Client Sample ID: LAX-01
Date Collected: 11/11/20 10:25
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			11/22/20 03:43	1
1,1,1-Trichloroethane	ND		0.50		ug/L			11/22/20 03:43	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			11/22/20 03:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			11/22/20 03:43	1
1,1,2-Trichloroethane	ND		0.50		ug/L			11/22/20 03:43	1
1,1-Dichloroethane	ND		0.50		ug/L			11/22/20 03:43	1
1,1-Dichloroethene	ND		0.50		ug/L			11/22/20 03:43	1
1,1-Dichloropropene	ND		0.50		ug/L			11/22/20 03:43	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			11/22/20 03:43	1
1,2,3-Trichloropropane	ND		0.50		ug/L			11/22/20 03:43	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			11/22/20 03:43	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			11/22/20 03:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			11/22/20 03:43	1
1,2-Dibromoethane	ND		0.50		ug/L			11/22/20 03:43	1
1,2-Dichlorobenzene	ND		0.50		ug/L			11/22/20 03:43	1
1,2-Dichloroethane	ND		0.50		ug/L			11/22/20 03:43	1
1,2-Dichloropropane	ND		0.50		ug/L			11/22/20 03:43	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			11/22/20 03:43	1
1,3-Dichlorobenzene	ND		0.50		ug/L			11/22/20 03:43	1
1,3-Dichloropropane	ND		0.50		ug/L			11/22/20 03:43	1
1,4-Dichlorobenzene	ND		0.50		ug/L			11/22/20 03:43	1
2,2-Dichloropropane	ND		0.50		ug/L			11/22/20 03:43	1

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Client Sample Results

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

Job ID: 570-43571-1

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

Client Sample ID: LAX-01
Date Collected: 11/11/20 10:25
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0		ug/L			11/22/20 03:43	1
2-Chlorotoluene	ND		0.50		ug/L			11/22/20 03:43	1
2-Hexanone	ND		6.0		ug/L			11/22/20 03:43	1
4-Chlorotoluene	ND		0.50		ug/L			11/22/20 03:43	1
4-Methyl-2-pentanone	ND		5.0		ug/L			11/22/20 03:43	1
Acetone	ND		8.0		ug/L			11/22/20 03:43	1
Benzene	ND		0.50		ug/L			11/22/20 03:43	1
Bromobenzene	ND		0.50		ug/L			11/22/20 03:43	1
Bromochloromethane	ND		1.0		ug/L			11/22/20 03:43	1
Bromodichloromethane	ND		0.50		ug/L			11/22/20 03:43	1
Bromoform	ND		0.50		ug/L			11/22/20 03:43	1
Bromomethane	ND		1.0		ug/L			11/22/20 03:43	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			11/22/20 03:43	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			11/22/20 03:43	1
Carbon disulfide	ND		1.0		ug/L			11/22/20 03:43	1
Carbon tetrachloride	ND		0.50		ug/L			11/22/20 03:43	1
Chlorobenzene	ND		0.50		ug/L			11/22/20 03:43	1
Chloroethane	ND		0.50		ug/L			11/22/20 03:43	1
Chloroform	ND		0.50		ug/L			11/22/20 03:43	1
Chloromethane	ND		1.0		ug/L			11/22/20 03:43	1
Dibromochloromethane	ND		0.50		ug/L			11/22/20 03:43	1
Dibromomethane	ND		0.50		ug/L			11/22/20 03:43	1
Dichlorodifluoromethane	ND		1.0		ug/L			11/22/20 03:43	1
Ethylbenzene	ND		0.50		ug/L			11/22/20 03:43	1
Isopropylbenzene	ND		0.50		ug/L			11/22/20 03:43	1
Methylene Chloride	ND		1.0		ug/L			11/22/20 03:43	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			11/22/20 03:43	1
Naphthalene	ND		1.0		ug/L			11/22/20 03:43	1
n-Butylbenzene	ND		0.50		ug/L			11/22/20 03:43	1
N-Propylbenzene	ND		0.50		ug/L			11/22/20 03:43	1
o-Xylene	ND		0.50		ug/L			11/22/20 03:43	1
m,p-Xylene	ND		1.0		ug/L			11/22/20 03:43	1
p-Isopropyltoluene	ND		0.50		ug/L			11/22/20 03:43	1
sec-Butylbenzene	ND		0.50		ug/L			11/22/20 03:43	1
Styrene	ND		0.50		ug/L			11/22/20 03:43	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			11/22/20 03:43	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			11/22/20 03:43	1
tert-Butylbenzene	ND		0.50		ug/L			11/22/20 03:43	1
Tetrachloroethene	ND		0.50		ug/L			11/22/20 03:43	1
Toluene	ND		0.50		ug/L			11/22/20 03:43	1
Trichloroethene	ND		0.50		ug/L			11/22/20 03:43	1
Trichlorofluoromethane	ND		0.50		ug/L			11/22/20 03:43	1
Vinyl acetate	ND		5.0		ug/L			11/22/20 03:43	1
Vinyl chloride	ND		0.50		ug/L			11/22/20 03:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		80 - 128		11/22/20 03:43	1
4-Bromofluorobenzene (Surr)	93		68 - 120		11/22/20 03:43	1
Dibromofluoromethane	103		80 - 127		11/22/20 03:43	1
Toluene-d8 (Surr)	101		80 - 120		11/22/20 03:43	1

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Client Sample Results

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

Job ID: 570-43571-1

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

Client Sample ID: UAX-03
Date Collected: 11/11/20 12:12
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			11/22/20 04:09	1
1,1,1-Trichloroethane	ND		0.50		ug/L			11/22/20 04:09	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			11/22/20 04:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			11/22/20 04:09	1
1,1,2-Trichloroethane	ND		0.50		ug/L			11/22/20 04:09	1
1,1-Dichloroethane	ND		0.50		ug/L			11/22/20 04:09	1
1,1-Dichloroethene	0.54		0.50		ug/L			11/22/20 04:09	1
1,1-Dichloropropene	ND		0.50		ug/L			11/22/20 04:09	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			11/22/20 04:09	1
1,2,3-Trichloropropane	ND		0.50		ug/L			11/22/20 04:09	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			11/22/20 04:09	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			11/22/20 04:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			11/22/20 04:09	1
1,2-Dibromoethane	ND		0.50		ug/L			11/22/20 04:09	1
1,2-Dichlorobenzene	ND		0.50		ug/L			11/22/20 04:09	1
1,2-Dichloroethane	ND		0.50		ug/L			11/22/20 04:09	1
1,2-Dichloropropane	ND		0.50		ug/L			11/22/20 04:09	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			11/22/20 04:09	1
1,3-Dichlorobenzene	ND		0.50		ug/L			11/22/20 04:09	1
1,3-Dichloropropane	ND		0.50		ug/L			11/22/20 04:09	1
1,4-Dichlorobenzene	ND		0.50		ug/L			11/22/20 04:09	1
2,2-Dichloropropane	ND		0.50		ug/L			11/22/20 04:09	1
2-Butanone	ND		5.0		ug/L			11/22/20 04:09	1
2-Chlorotoluene	ND		0.50		ug/L			11/22/20 04:09	1
2-Hexanone	ND		6.0		ug/L			11/22/20 04:09	1
4-Chlorotoluene	ND		0.50		ug/L			11/22/20 04:09	1
4-Methyl-2-pentanone	ND		5.0		ug/L			11/22/20 04:09	1
Acetone	ND		8.0		ug/L			11/22/20 04:09	1
Benzene	ND		0.50		ug/L			11/22/20 04:09	1
Bromobenzene	ND		0.50		ug/L			11/22/20 04:09	1
Bromochloromethane	ND		1.0		ug/L			11/22/20 04:09	1
Bromodichloromethane	ND		0.50		ug/L			11/22/20 04:09	1
Bromoform	ND		0.50		ug/L			11/22/20 04:09	1
Bromomethane	ND		1.0		ug/L			11/22/20 04:09	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			11/22/20 04:09	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			11/22/20 04:09	1
Carbon disulfide	ND		1.0		ug/L			11/22/20 04:09	1
Carbon tetrachloride	ND		0.50		ug/L			11/22/20 04:09	1
Chlorobenzene	ND		0.50		ug/L			11/22/20 04:09	1
Chloroethane	ND		0.50		ug/L			11/22/20 04:09	1
Chloroform	ND		0.50		ug/L			11/22/20 04:09	1
Chloromethane	ND		1.0		ug/L			11/22/20 04:09	1
Dibromochloromethane	ND		0.50		ug/L			11/22/20 04:09	1
Dibromomethane	ND		0.50		ug/L			11/22/20 04:09	1
Dichlorodifluoromethane	ND		1.0		ug/L			11/22/20 04:09	1
Ethylbenzene	ND		0.50		ug/L			11/22/20 04:09	1
Isopropylbenzene	ND		0.50		ug/L			11/22/20 04:09	1
Methylene Chloride	ND		1.0		ug/L			11/22/20 04:09	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			11/22/20 04:09	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-43571-1

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

Client Sample ID: UAX-03
Date Collected: 11/11/20 12:12
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0		ug/L			11/22/20 04:09	1
n-Butylbenzene	ND		0.50		ug/L			11/22/20 04:09	1
N-Propylbenzene	ND		0.50		ug/L			11/22/20 04:09	1
o-Xylene	ND		0.50		ug/L			11/22/20 04:09	1
m,p-Xylene	ND		1.0		ug/L			11/22/20 04:09	1
p-Isopropyltoluene	ND		0.50		ug/L			11/22/20 04:09	1
sec-Butylbenzene	ND		0.50		ug/L			11/22/20 04:09	1
Styrene	ND		0.50		ug/L			11/22/20 04:09	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			11/22/20 04:09	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			11/22/20 04:09	1
tert-Butylbenzene	ND		0.50		ug/L			11/22/20 04:09	1
Tetrachloroethene	ND		0.50		ug/L			11/22/20 04:09	1
Toluene	ND		0.50		ug/L			11/22/20 04:09	1
Trichloroethene	10		0.50		ug/L			11/22/20 04:09	1
Trichlorofluoromethane	ND		0.50		ug/L			11/22/20 04:09	1
Vinyl acetate	ND		5.0		ug/L			11/22/20 04:09	1
Vinyl chloride	ND		0.50		ug/L			11/22/20 04:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		80 - 128		11/22/20 04:09	1
4-Bromofluorobenzene (Surr)	92		68 - 120		11/22/20 04:09	1
Dibromofluoromethane	102		80 - 127		11/22/20 04:09	1
Toluene-d8 (Surr)	102		80 - 120		11/22/20 04:09	1

Client Sample ID: HEW-04
Date Collected: 11/11/20 12:45
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			11/22/20 05:25	4
1,1,1-Trichloroethane	ND		2.0		ug/L			11/22/20 05:25	4
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			11/22/20 05:25	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ug/L			11/22/20 05:25	4
1,1,2-Trichloroethane	ND		2.0		ug/L			11/22/20 05:25	4
1,1-Dichloroethane	ND		2.0		ug/L			11/22/20 05:25	4
1,1-Dichloroethene	ND		2.0		ug/L			11/22/20 05:25	4
1,1-Dichloropropene	ND		2.0		ug/L			11/22/20 05:25	4
1,2,3-Trichlorobenzene	ND		2.0		ug/L			11/22/20 05:25	4
1,2,3-Trichloropropane	ND		2.0		ug/L			11/22/20 05:25	4
1,2,4-Trichlorobenzene	ND		2.0		ug/L			11/22/20 05:25	4
1,2,4-Trimethylbenzene	ND		2.0		ug/L			11/22/20 05:25	4
1,2-Dibromo-3-Chloropropane	ND		4.0		ug/L			11/22/20 05:25	4
1,2-Dibromoethane	ND		2.0		ug/L			11/22/20 05:25	4
1,2-Dichlorobenzene	ND		2.0		ug/L			11/22/20 05:25	4
1,2-Dichloroethane	ND		2.0		ug/L			11/22/20 05:25	4
1,2-Dichloropropane	ND		2.0		ug/L			11/22/20 05:25	4
1,3,5-Trimethylbenzene	ND		2.0		ug/L			11/22/20 05:25	4
1,3-Dichlorobenzene	ND		2.0		ug/L			11/22/20 05:25	4
1,3-Dichloropropane	ND		2.0		ug/L			11/22/20 05:25	4
1,4-Dichlorobenzene	ND		2.0		ug/L			11/22/20 05:25	4
2,2-Dichloropropane	ND		2.0		ug/L			11/22/20 05:25	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-43571-1

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

Client Sample ID: HEW-04
Date Collected: 11/11/20 12:45
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		20		ug/L			11/22/20 05:25	4
2-Chlorotoluene	ND		2.0		ug/L			11/22/20 05:25	4
2-Hexanone	ND		24		ug/L			11/22/20 05:25	4
4-Chlorotoluene	ND		2.0		ug/L			11/22/20 05:25	4
4-Methyl-2-pentanone	ND		20		ug/L			11/22/20 05:25	4
Acetone	ND		32		ug/L			11/22/20 05:25	4
Benzene	ND		2.0		ug/L			11/22/20 05:25	4
Bromobenzene	ND		2.0		ug/L			11/22/20 05:25	4
Bromochloromethane	ND		4.0		ug/L			11/22/20 05:25	4
Bromodichloromethane	ND		2.0		ug/L			11/22/20 05:25	4
Bromoform	ND		2.0		ug/L			11/22/20 05:25	4
Bromomethane	ND		4.0		ug/L			11/22/20 05:25	4
cis-1,2-Dichloroethene	ND		2.0		ug/L			11/22/20 05:25	4
cis-1,3-Dichloropropene	ND		2.0		ug/L			11/22/20 05:25	4
Carbon disulfide	ND		4.0		ug/L			11/22/20 05:25	4
Carbon tetrachloride	ND		2.0		ug/L			11/22/20 05:25	4
Chlorobenzene	ND		2.0		ug/L			11/22/20 05:25	4
Chloroethane	ND		2.0		ug/L			11/22/20 05:25	4
Chloroform	ND		2.0		ug/L			11/22/20 05:25	4
Chloromethane	ND		4.0		ug/L			11/22/20 05:25	4
Dibromochloromethane	ND		2.0		ug/L			11/22/20 05:25	4
Dibromomethane	ND		2.0		ug/L			11/22/20 05:25	4
Dichlorodifluoromethane	ND		4.0		ug/L			11/22/20 05:25	4
Ethylbenzene	ND		2.0		ug/L			11/22/20 05:25	4
Isopropylbenzene	ND		2.0		ug/L			11/22/20 05:25	4
Methylene Chloride	ND		4.0		ug/L			11/22/20 05:25	4
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/L			11/22/20 05:25	4
Naphthalene	ND		4.0		ug/L			11/22/20 05:25	4
n-Butylbenzene	ND		2.0		ug/L			11/22/20 05:25	4
N-Propylbenzene	ND		2.0		ug/L			11/22/20 05:25	4
o-Xylene	ND		2.0		ug/L			11/22/20 05:25	4
m,p-Xylene	ND		4.0		ug/L			11/22/20 05:25	4
p-Isopropyltoluene	ND		2.0		ug/L			11/22/20 05:25	4
sec-Butylbenzene	ND		2.0		ug/L			11/22/20 05:25	4
Styrene	ND		2.0		ug/L			11/22/20 05:25	4
trans-1,2-Dichloroethene	ND		2.0		ug/L			11/22/20 05:25	4
trans-1,3-Dichloropropene	ND		2.0		ug/L			11/22/20 05:25	4
tert-Butylbenzene	ND		2.0		ug/L			11/22/20 05:25	4
Tetrachloroethene	ND		2.0		ug/L			11/22/20 05:25	4
Toluene	ND		2.0		ug/L			11/22/20 05:25	4
Trichloroethene	110		2.0		ug/L			11/22/20 05:25	4
Trichlorofluoromethane	ND		2.0		ug/L			11/22/20 05:25	4
Vinyl acetate	ND		20		ug/L			11/22/20 05:25	4
Vinyl chloride	ND		2.0		ug/L			11/22/20 05:25	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		80 - 128		11/22/20 05:25	4
4-Bromofluorobenzene (Surr)	93		68 - 120		11/22/20 05:25	4
Dibromofluoromethane	104		80 - 127		11/22/20 05:25	4
Toluene-d8 (Surr)	101		80 - 120		11/22/20 05:25	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-43571-1

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

Client Sample ID: UAX-02
Date Collected: 11/11/20 13:40
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			11/22/20 14:09	1
1,1,1-Trichloroethane	ND		0.50		ug/L			11/22/20 14:09	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			11/22/20 14:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			11/22/20 14:09	1
1,1,2-Trichloroethane	ND		0.50		ug/L			11/22/20 14:09	1
1,1-Dichloroethane	ND		0.50		ug/L			11/22/20 14:09	1
1,1-Dichloroethene	3.8		0.50		ug/L			11/22/20 14:09	1
1,1-Dichloropropene	ND		0.50		ug/L			11/22/20 14:09	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			11/22/20 14:09	1
1,2,3-Trichloropropane	ND		0.50		ug/L			11/22/20 14:09	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			11/22/20 14:09	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			11/22/20 14:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			11/22/20 14:09	1
1,2-Dibromoethane	ND		0.50		ug/L			11/22/20 14:09	1
1,2-Dichlorobenzene	ND		0.50		ug/L			11/22/20 14:09	1
1,2-Dichloroethane	ND		0.50		ug/L			11/22/20 14:09	1
1,2-Dichloropropane	ND		0.50		ug/L			11/22/20 14:09	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			11/22/20 14:09	1
1,3-Dichlorobenzene	ND		0.50		ug/L			11/22/20 14:09	1
1,3-Dichloropropane	ND		0.50		ug/L			11/22/20 14:09	1
1,4-Dichlorobenzene	ND		0.50		ug/L			11/22/20 14:09	1
2,2-Dichloropropane	ND		0.50		ug/L			11/22/20 14:09	1
2-Butanone	ND		5.0		ug/L			11/22/20 14:09	1
2-Chlorotoluene	ND		0.50		ug/L			11/22/20 14:09	1
2-Hexanone	ND		6.0		ug/L			11/22/20 14:09	1
4-Chlorotoluene	ND		0.50		ug/L			11/22/20 14:09	1
4-Methyl-2-pentanone	ND		5.0		ug/L			11/22/20 14:09	1
Acetone	ND		8.0		ug/L			11/22/20 14:09	1
Benzene	ND		0.50		ug/L			11/22/20 14:09	1
Bromobenzene	ND		0.50		ug/L			11/22/20 14:09	1
Bromochloromethane	ND		1.0		ug/L			11/22/20 14:09	1
Bromodichloromethane	ND		0.50		ug/L			11/22/20 14:09	1
Bromoform	ND		0.50		ug/L			11/22/20 14:09	1
Bromomethane	ND		1.0		ug/L			11/22/20 14:09	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			11/22/20 14:09	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			11/22/20 14:09	1
Carbon disulfide	ND		1.0		ug/L			11/22/20 14:09	1
Carbon tetrachloride	ND		0.50		ug/L			11/22/20 14:09	1
Chlorobenzene	ND		0.50		ug/L			11/22/20 14:09	1
Chloroethane	ND		0.50		ug/L			11/22/20 14:09	1
Chloroform	ND		0.50		ug/L			11/22/20 14:09	1
Chloromethane	ND		1.0		ug/L			11/22/20 14:09	1
Dibromochloromethane	ND		0.50		ug/L			11/22/20 14:09	1
Dibromomethane	ND		0.50		ug/L			11/22/20 14:09	1
Dichlorodifluoromethane	ND		1.0		ug/L			11/22/20 14:09	1
Ethylbenzene	ND		0.50		ug/L			11/22/20 14:09	1
Isopropylbenzene	ND *		0.50		ug/L			11/22/20 14:09	1
Methylene Chloride	ND		1.0		ug/L			11/22/20 14:09	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			11/22/20 14:09	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-43571-1

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

Client Sample ID: UAX-02
Date Collected: 11/11/20 13:40
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0		ug/L			11/22/20 14:09	1
n-Butylbenzene	ND		0.50		ug/L			11/22/20 14:09	1
N-Propylbenzene	ND		0.50		ug/L			11/22/20 14:09	1
o-Xylene	ND		0.50		ug/L			11/22/20 14:09	1
m,p-Xylene	ND		1.0		ug/L			11/22/20 14:09	1
p-Isopropyltoluene	ND		0.50		ug/L			11/22/20 14:09	1
sec-Butylbenzene	ND	*	0.50		ug/L			11/22/20 14:09	1
Styrene	ND		0.50		ug/L			11/22/20 14:09	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			11/22/20 14:09	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			11/22/20 14:09	1
tert-Butylbenzene	ND		0.50		ug/L			11/22/20 14:09	1
Tetrachloroethene	ND		0.50		ug/L			11/22/20 14:09	1
Toluene	ND		0.50		ug/L			11/22/20 14:09	1
Trichloroethene	4.5		0.50		ug/L			11/22/20 14:09	1
Trichlorofluoromethane	ND		0.50		ug/L			11/22/20 14:09	1
Vinyl acetate	ND		5.0		ug/L			11/22/20 14:09	1
Vinyl chloride	ND		0.50		ug/L			11/22/20 14:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		80 - 128		11/22/20 14:09	1
4-Bromofluorobenzene (Surr)	92		68 - 120		11/22/20 14:09	1
Dibromofluoromethane	104		80 - 127		11/22/20 14:09	1
Toluene-d8 (Surr)	102		80 - 120		11/22/20 14:09	1

Client Sample ID: LAX-02
Date Collected: 11/11/20 14:20
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			11/22/20 19:21	1
1,1,1-Trichloroethane	ND		0.50		ug/L			11/22/20 19:21	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			11/22/20 19:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			11/22/20 19:21	1
1,1,2-Trichloroethane	ND		0.50		ug/L			11/22/20 19:21	1
1,1-Dichloroethane	ND		0.50		ug/L			11/22/20 19:21	1
1,1-Dichloroethene	ND		0.50		ug/L			11/22/20 19:21	1
1,1-Dichloropropene	ND		0.50		ug/L			11/22/20 19:21	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			11/22/20 19:21	1
1,2,3-Trichloropropane	ND		0.50		ug/L			11/22/20 19:21	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			11/22/20 19:21	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			11/22/20 19:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			11/22/20 19:21	1
1,2-Dibromoethane	ND		0.50		ug/L			11/22/20 19:21	1
1,2-Dichlorobenzene	ND		0.50		ug/L			11/22/20 19:21	1
1,2-Dichloroethane	ND		0.50		ug/L			11/22/20 19:21	1
1,2-Dichloropropane	ND		0.50		ug/L			11/22/20 19:21	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			11/22/20 19:21	1
1,3-Dichlorobenzene	ND		0.50		ug/L			11/22/20 19:21	1
1,3-Dichloropropane	ND		0.50		ug/L			11/22/20 19:21	1
1,4-Dichlorobenzene	ND		0.50		ug/L			11/22/20 19:21	1
2,2-Dichloropropane	ND		0.50		ug/L			11/22/20 19:21	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-43571-1

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

Client Sample ID: LAX-02
Date Collected: 11/11/20 14:20
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0		ug/L			11/22/20 19:21	1
2-Chlorotoluene	ND		0.50		ug/L			11/22/20 19:21	1
2-Hexanone	ND		6.0		ug/L			11/22/20 19:21	1
4-Chlorotoluene	ND		0.50		ug/L			11/22/20 19:21	1
4-Methyl-2-pentanone	ND		5.0		ug/L			11/22/20 19:21	1
Acetone	ND		8.0		ug/L			11/22/20 19:21	1
Benzene	ND		0.50		ug/L			11/22/20 19:21	1
Bromobenzene	ND		0.50		ug/L			11/22/20 19:21	1
Bromochloromethane	ND		1.0		ug/L			11/22/20 19:21	1
Bromodichloromethane	ND		0.50		ug/L			11/22/20 19:21	1
Bromoform	ND		0.50		ug/L			11/22/20 19:21	1
Bromomethane	ND		1.0		ug/L			11/22/20 19:21	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			11/22/20 19:21	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			11/22/20 19:21	1
Carbon disulfide	ND		1.0		ug/L			11/22/20 19:21	1
Carbon tetrachloride	ND		0.50		ug/L			11/22/20 19:21	1
Chlorobenzene	ND		0.50		ug/L			11/22/20 19:21	1
Chloroethane	ND		0.50		ug/L			11/22/20 19:21	1
Chloroform	ND		0.50		ug/L			11/22/20 19:21	1
Chloromethane	ND		1.0		ug/L			11/22/20 19:21	1
Dibromochloromethane	ND		0.50		ug/L			11/22/20 19:21	1
Dibromomethane	ND		0.50		ug/L			11/22/20 19:21	1
Dichlorodifluoromethane	ND		1.0		ug/L			11/22/20 19:21	1
Ethylbenzene	ND		0.50		ug/L			11/22/20 19:21	1
Isopropylbenzene	ND *		0.50		ug/L			11/22/20 19:21	1
Methylene Chloride	ND		1.0		ug/L			11/22/20 19:21	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			11/22/20 19:21	1
Naphthalene	ND		1.0		ug/L			11/22/20 19:21	1
n-Butylbenzene	ND		0.50		ug/L			11/22/20 19:21	1
N-Propylbenzene	ND		0.50		ug/L			11/22/20 19:21	1
o-Xylene	ND		0.50		ug/L			11/22/20 19:21	1
m,p-Xylene	ND		1.0		ug/L			11/22/20 19:21	1
p-Isopropyltoluene	ND		0.50		ug/L			11/22/20 19:21	1
sec-Butylbenzene	ND *		0.50		ug/L			11/22/20 19:21	1
Styrene	ND		0.50		ug/L			11/22/20 19:21	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			11/22/20 19:21	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			11/22/20 19:21	1
tert-Butylbenzene	ND		0.50		ug/L			11/22/20 19:21	1
Tetrachloroethene	ND		0.50		ug/L			11/22/20 19:21	1
Toluene	ND		0.50		ug/L			11/22/20 19:21	1
Trichloroethene	ND		0.50		ug/L			11/22/20 19:21	1
Trichlorofluoromethane	ND		0.50		ug/L			11/22/20 19:21	1
Vinyl acetate	ND		5.0		ug/L			11/22/20 19:21	1
Vinyl chloride	ND		0.50		ug/L			11/22/20 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		80 - 128		11/22/20 19:21	1
4-Bromofluorobenzene (Surr)	94		68 - 120		11/22/20 19:21	1
Dibromofluoromethane	104		80 - 127		11/22/20 19:21	1
Toluene-d8 (Surr)	99		80 - 120		11/22/20 19:21	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-43571-1

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

Client Sample ID: HEW-01
Date Collected: 11/11/20 14:46
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		10		ug/L			11/22/20 19:47	20
1,1,1-Trichloroethane	ND		10		ug/L			11/22/20 19:47	20
1,1,2,2-Tetrachloroethane	ND		10		ug/L			11/22/20 19:47	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10		ug/L			11/22/20 19:47	20
1,1,2-Trichloroethane	ND		10		ug/L			11/22/20 19:47	20
1,1-Dichloroethane	ND		10		ug/L			11/22/20 19:47	20
1,1-Dichloroethene	ND		10		ug/L			11/22/20 19:47	20
1,1-Dichloropropene	ND		10		ug/L			11/22/20 19:47	20
1,2,3-Trichlorobenzene	ND		10		ug/L			11/22/20 19:47	20
1,2,3-Trichloropropane	ND		10		ug/L			11/22/20 19:47	20
1,2,4-Trichlorobenzene	ND		10		ug/L			11/22/20 19:47	20
1,2,4-Trimethylbenzene	ND		10		ug/L			11/22/20 19:47	20
1,2-Dibromo-3-Chloropropane	ND		20		ug/L			11/22/20 19:47	20
1,2-Dibromoethane	ND		10		ug/L			11/22/20 19:47	20
1,2-Dichlorobenzene	ND		10		ug/L			11/22/20 19:47	20
1,2-Dichloroethane	ND		10		ug/L			11/22/20 19:47	20
1,2-Dichloropropane	ND		10		ug/L			11/22/20 19:47	20
1,3,5-Trimethylbenzene	ND		10		ug/L			11/22/20 19:47	20
1,3-Dichlorobenzene	ND		10		ug/L			11/22/20 19:47	20
1,3-Dichloropropane	ND		10		ug/L			11/22/20 19:47	20
1,4-Dichlorobenzene	ND		10		ug/L			11/22/20 19:47	20
2,2-Dichloropropane	ND		10		ug/L			11/22/20 19:47	20
2-Butanone	ND		100		ug/L			11/22/20 19:47	20
2-Chlorotoluene	ND		10		ug/L			11/22/20 19:47	20
2-Hexanone	ND		120		ug/L			11/22/20 19:47	20
4-Chlorotoluene	ND		10		ug/L			11/22/20 19:47	20
4-Methyl-2-pentanone	ND		100		ug/L			11/22/20 19:47	20
Acetone	ND		160		ug/L			11/22/20 19:47	20
Benzene	ND		10		ug/L			11/22/20 19:47	20
Bromobenzene	ND		10		ug/L			11/22/20 19:47	20
Bromochloromethane	ND		20		ug/L			11/22/20 19:47	20
Bromodichloromethane	ND		10		ug/L			11/22/20 19:47	20
Bromoform	ND		10		ug/L			11/22/20 19:47	20
Bromomethane	ND		20		ug/L			11/22/20 19:47	20
cis-1,2-Dichloroethene	ND		10		ug/L			11/22/20 19:47	20
cis-1,3-Dichloropropene	ND		10		ug/L			11/22/20 19:47	20
Carbon disulfide	ND		20		ug/L			11/22/20 19:47	20
Carbon tetrachloride	ND		10		ug/L			11/22/20 19:47	20
Chlorobenzene	ND		10		ug/L			11/22/20 19:47	20
Chloroethane	ND		10		ug/L			11/22/20 19:47	20
Chloroform	ND		10		ug/L			11/22/20 19:47	20
Chloromethane	ND		20		ug/L			11/22/20 19:47	20
Dibromochloromethane	ND		10		ug/L			11/22/20 19:47	20
Dibromomethane	ND		10		ug/L			11/22/20 19:47	20
Dichlorodifluoromethane	ND		20		ug/L			11/22/20 19:47	20
Ethylbenzene	ND		10		ug/L			11/22/20 19:47	20
Isopropylbenzene	ND *		10		ug/L			11/22/20 19:47	20
Methylene Chloride	ND		20		ug/L			11/22/20 19:47	20
Methyl-t-Butyl Ether (MTBE)	ND		10		ug/L			11/22/20 19:47	20

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-43571-1

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

Client Sample ID: HEW-01
Date Collected: 11/11/20 14:46
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		20		ug/L			11/22/20 19:47	20
n-Butylbenzene	ND		10		ug/L			11/22/20 19:47	20
N-Propylbenzene	ND		10		ug/L			11/22/20 19:47	20
o-Xylene	ND		10		ug/L			11/22/20 19:47	20
m,p-Xylene	ND		20		ug/L			11/22/20 19:47	20
p-Isopropyltoluene	ND		10		ug/L			11/22/20 19:47	20
sec-Butylbenzene	ND	*	10		ug/L			11/22/20 19:47	20
Styrene	ND		10		ug/L			11/22/20 19:47	20
trans-1,2-Dichloroethene	ND		10		ug/L			11/22/20 19:47	20
trans-1,3-Dichloropropene	ND		10		ug/L			11/22/20 19:47	20
tert-Butylbenzene	ND		10		ug/L			11/22/20 19:47	20
Tetrachloroethene	10		10		ug/L			11/22/20 19:47	20
Toluene	ND		10		ug/L			11/22/20 19:47	20
Trichloroethene	680		10		ug/L			11/22/20 19:47	20
Trichlorofluoromethane	ND		10		ug/L			11/22/20 19:47	20
Vinyl acetate	ND		100		ug/L			11/22/20 19:47	20
Vinyl chloride	ND		10		ug/L			11/22/20 19:47	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		80 - 128		11/22/20 19:47	20
4-Bromofluorobenzene (Surr)	93		68 - 120		11/22/20 19:47	20
Dibromofluoromethane	105		80 - 127		11/22/20 19:47	20
Toluene-d8 (Surr)	101		80 - 120		11/22/20 19:47	20

Client Sample ID: UAX-01
Date Collected: 11/11/20 15:20
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			11/22/20 20:53	1
1,1,1-Trichloroethane	ND		0.50		ug/L			11/22/20 20:53	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			11/22/20 20:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			11/22/20 20:53	1
1,1,2-Trichloroethane	ND		0.50		ug/L			11/22/20 20:53	1
1,1-Dichloroethane	ND		0.50		ug/L			11/22/20 20:53	1
1,1-Dichloroethene	2.1		0.50		ug/L			11/22/20 20:53	1
1,1-Dichloropropene	ND		0.50		ug/L			11/22/20 20:53	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			11/22/20 20:53	1
1,2,3-Trichloropropane	ND		0.50		ug/L			11/22/20 20:53	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			11/22/20 20:53	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			11/22/20 20:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			11/22/20 20:53	1
1,2-Dibromoethane	ND		0.50		ug/L			11/22/20 20:53	1
1,2-Dichlorobenzene	ND		0.50		ug/L			11/22/20 20:53	1
1,2-Dichloroethane	ND		0.50		ug/L			11/22/20 20:53	1
1,2-Dichloropropane	ND		0.50		ug/L			11/22/20 20:53	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			11/22/20 20:53	1
1,3-Dichlorobenzene	ND		0.50		ug/L			11/22/20 20:53	1
1,3-Dichloropropane	ND		0.50		ug/L			11/22/20 20:53	1
1,4-Dichlorobenzene	ND		0.50		ug/L			11/22/20 20:53	1
2,2-Dichloropropane	ND		0.50		ug/L			11/22/20 20:53	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-43571-1

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

Client Sample ID: UAX-01
Date Collected: 11/11/20 15:20
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0		ug/L			11/22/20 20:53	1
2-Chlorotoluene	ND		0.50		ug/L			11/22/20 20:53	1
2-Hexanone	ND		6.0		ug/L			11/22/20 20:53	1
4-Chlorotoluene	ND		0.50		ug/L			11/22/20 20:53	1
4-Methyl-2-pentanone	ND		5.0		ug/L			11/22/20 20:53	1
Acetone	ND		8.0		ug/L			11/22/20 20:53	1
Benzene	ND		0.50		ug/L			11/22/20 20:53	1
Bromobenzene	ND		0.50		ug/L			11/22/20 20:53	1
Bromochloromethane	ND		1.0		ug/L			11/22/20 20:53	1
Bromodichloromethane	ND		0.50		ug/L			11/22/20 20:53	1
Bromoform	ND		0.50		ug/L			11/22/20 20:53	1
Bromomethane	ND		1.0		ug/L			11/22/20 20:53	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			11/22/20 20:53	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			11/22/20 20:53	1
Carbon disulfide	ND		1.0		ug/L			11/22/20 20:53	1
Carbon tetrachloride	ND		0.50		ug/L			11/22/20 20:53	1
Chlorobenzene	ND		0.50		ug/L			11/22/20 20:53	1
Chloroethane	ND		0.50		ug/L			11/22/20 20:53	1
Chloroform	ND		0.50		ug/L			11/22/20 20:53	1
Chloromethane	ND		1.0		ug/L			11/22/20 20:53	1
Dibromochloromethane	ND		0.50		ug/L			11/22/20 20:53	1
Dibromomethane	ND		0.50		ug/L			11/22/20 20:53	1
Dichlorodifluoromethane	ND		1.0		ug/L			11/22/20 20:53	1
Ethylbenzene	ND		0.50		ug/L			11/22/20 20:53	1
Isopropylbenzene	ND *		0.50		ug/L			11/22/20 20:53	1
Methylene Chloride	ND		1.0		ug/L			11/22/20 20:53	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			11/22/20 20:53	1
Naphthalene	ND		1.0		ug/L			11/22/20 20:53	1
n-Butylbenzene	ND		0.50		ug/L			11/22/20 20:53	1
N-Propylbenzene	ND		0.50		ug/L			11/22/20 20:53	1
o-Xylene	ND		0.50		ug/L			11/22/20 20:53	1
m,p-Xylene	ND		1.0		ug/L			11/22/20 20:53	1
p-Isopropyltoluene	ND		0.50		ug/L			11/22/20 20:53	1
sec-Butylbenzene	ND *		0.50		ug/L			11/22/20 20:53	1
Styrene	ND		0.50		ug/L			11/22/20 20:53	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			11/22/20 20:53	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			11/22/20 20:53	1
tert-Butylbenzene	ND		0.50		ug/L			11/22/20 20:53	1
Tetrachloroethene	ND		0.50		ug/L			11/22/20 20:53	1
Toluene	ND		0.50		ug/L			11/22/20 20:53	1
Trichloroethene	2.5		0.50		ug/L			11/22/20 20:53	1
Trichlorofluoromethane	ND		0.50		ug/L			11/22/20 20:53	1
Vinyl acetate	ND		5.0		ug/L			11/22/20 20:53	1
Vinyl chloride	ND		0.50		ug/L			11/22/20 20:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		80 - 128		11/22/20 20:53	1
4-Bromofluorobenzene (Surr)	91		68 - 120		11/22/20 20:53	1
Dibromofluoromethane	105		80 - 127		11/22/20 20:53	1
Toluene-d8 (Surr)	97		80 - 120		11/22/20 20:53	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-43571-1

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

Client Sample ID: LAX-03
Date Collected: 11/11/20 13:18
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			11/22/20 21:18	1
1,1,1-Trichloroethane	ND		0.50		ug/L			11/22/20 21:18	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			11/22/20 21:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			11/22/20 21:18	1
1,1,2-Trichloroethane	ND		0.50		ug/L			11/22/20 21:18	1
1,1-Dichloroethane	ND		0.50		ug/L			11/22/20 21:18	1
1,1-Dichloroethene	ND		0.50		ug/L			11/22/20 21:18	1
1,1-Dichloropropene	ND		0.50		ug/L			11/22/20 21:18	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			11/22/20 21:18	1
1,2,3-Trichloropropane	ND		0.50		ug/L			11/22/20 21:18	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			11/22/20 21:18	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			11/22/20 21:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			11/22/20 21:18	1
1,2-Dibromoethane	ND		0.50		ug/L			11/22/20 21:18	1
1,2-Dichlorobenzene	ND		0.50		ug/L			11/22/20 21:18	1
1,2-Dichloroethane	ND		0.50		ug/L			11/22/20 21:18	1
1,2-Dichloropropane	ND		0.50		ug/L			11/22/20 21:18	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			11/22/20 21:18	1
1,3-Dichlorobenzene	ND		0.50		ug/L			11/22/20 21:18	1
1,3-Dichloropropane	ND		0.50		ug/L			11/22/20 21:18	1
1,4-Dichlorobenzene	ND		0.50		ug/L			11/22/20 21:18	1
2,2-Dichloropropane	ND		0.50		ug/L			11/22/20 21:18	1
2-Butanone	ND		5.0		ug/L			11/22/20 21:18	1
2-Chlorotoluene	ND		0.50		ug/L			11/22/20 21:18	1
2-Hexanone	ND		6.0		ug/L			11/22/20 21:18	1
4-Chlorotoluene	ND		0.50		ug/L			11/22/20 21:18	1
4-Methyl-2-pentanone	ND		5.0		ug/L			11/22/20 21:18	1
Acetone	ND		8.0		ug/L			11/22/20 21:18	1
Benzene	ND		0.50		ug/L			11/22/20 21:18	1
Bromobenzene	ND		0.50		ug/L			11/22/20 21:18	1
Bromochloromethane	ND		1.0		ug/L			11/22/20 21:18	1
Bromodichloromethane	ND		0.50		ug/L			11/22/20 21:18	1
Bromoform	ND		0.50		ug/L			11/22/20 21:18	1
Bromomethane	ND		1.0		ug/L			11/22/20 21:18	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			11/22/20 21:18	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			11/22/20 21:18	1
Carbon disulfide	ND		1.0		ug/L			11/22/20 21:18	1
Carbon tetrachloride	ND		0.50		ug/L			11/22/20 21:18	1
Chlorobenzene	ND		0.50		ug/L			11/22/20 21:18	1
Chloroethane	ND		0.50		ug/L			11/22/20 21:18	1
Chloroform	ND		0.50		ug/L			11/22/20 21:18	1
Chloromethane	ND		1.0		ug/L			11/22/20 21:18	1
Dibromochloromethane	ND		0.50		ug/L			11/22/20 21:18	1
Dibromomethane	ND		0.50		ug/L			11/22/20 21:18	1
Dichlorodifluoromethane	ND		1.0		ug/L			11/22/20 21:18	1
Ethylbenzene	ND		0.50		ug/L			11/22/20 21:18	1
Isopropylbenzene	ND *		0.50		ug/L			11/22/20 21:18	1
Methylene Chloride	ND		1.0		ug/L			11/22/20 21:18	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			11/22/20 21:18	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-43571-1

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

Client Sample ID: LAX-03
Date Collected: 11/11/20 13:18
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0		ug/L			11/22/20 21:18	1
n-Butylbenzene	ND		0.50		ug/L			11/22/20 21:18	1
N-Propylbenzene	ND		0.50		ug/L			11/22/20 21:18	1
o-Xylene	ND		0.50		ug/L			11/22/20 21:18	1
m,p-Xylene	ND		1.0		ug/L			11/22/20 21:18	1
p-Isopropyltoluene	ND		0.50		ug/L			11/22/20 21:18	1
sec-Butylbenzene	ND *		0.50		ug/L			11/22/20 21:18	1
Styrene	ND		0.50		ug/L			11/22/20 21:18	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			11/22/20 21:18	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			11/22/20 21:18	1
tert-Butylbenzene	ND		0.50		ug/L			11/22/20 21:18	1
Tetrachloroethene	ND		0.50		ug/L			11/22/20 21:18	1
Toluene	ND		0.50		ug/L			11/22/20 21:18	1
Trichloroethene	ND		0.50		ug/L			11/22/20 21:18	1
Trichlorofluoromethane	ND		0.50		ug/L			11/22/20 21:18	1
Vinyl acetate	ND		5.0		ug/L			11/22/20 21:18	1
Vinyl chloride	ND		0.50		ug/L			11/22/20 21:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		80 - 128		11/22/20 21:18	1
4-Bromofluorobenzene (Surr)	92		68 - 120		11/22/20 21:18	1
Dibromofluoromethane	102		80 - 127		11/22/20 21:18	1
Toluene-d8 (Surr)	99		80 - 120		11/22/20 21:18	1

Client Sample ID: RB-11120
Date Collected: 11/11/20 13:25
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			11/22/20 18:55	1
1,1,1-Trichloroethane	ND		0.50		ug/L			11/22/20 18:55	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			11/22/20 18:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			11/22/20 18:55	1
1,1,2-Trichloroethane	ND		0.50		ug/L			11/22/20 18:55	1
1,1-Dichloroethane	ND		0.50		ug/L			11/22/20 18:55	1
1,1-Dichloroethene	ND		0.50		ug/L			11/22/20 18:55	1
1,1-Dichloropropene	ND		0.50		ug/L			11/22/20 18:55	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			11/22/20 18:55	1
1,2,3-Trichloropropane	ND		0.50		ug/L			11/22/20 18:55	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			11/22/20 18:55	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			11/22/20 18:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			11/22/20 18:55	1
1,2-Dibromoethane	ND		0.50		ug/L			11/22/20 18:55	1
1,2-Dichlorobenzene	ND		0.50		ug/L			11/22/20 18:55	1
1,2-Dichloroethane	ND		0.50		ug/L			11/22/20 18:55	1
1,2-Dichloropropane	ND		0.50		ug/L			11/22/20 18:55	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			11/22/20 18:55	1
1,3-Dichlorobenzene	ND		0.50		ug/L			11/22/20 18:55	1
1,3-Dichloropropane	ND		0.50		ug/L			11/22/20 18:55	1
1,4-Dichlorobenzene	ND		0.50		ug/L			11/22/20 18:55	1
2,2-Dichloropropane	ND		0.50		ug/L			11/22/20 18:55	1

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Client Sample Results

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

Job ID: 570-43571-1

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

Client Sample ID: RB-111120
Date Collected: 11/11/20 13:25
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		5.0		ug/L			11/22/20 18:55	1
2-Chlorotoluene	ND		0.50		ug/L			11/22/20 18:55	1
2-Hexanone	ND		6.0		ug/L			11/22/20 18:55	1
4-Chlorotoluene	ND		0.50		ug/L			11/22/20 18:55	1
4-Methyl-2-pentanone	ND		5.0		ug/L			11/22/20 18:55	1
Acetone	ND		8.0		ug/L			11/22/20 18:55	1
Benzene	ND		0.50		ug/L			11/22/20 18:55	1
Bromobenzene	ND		0.50		ug/L			11/22/20 18:55	1
Bromochloromethane	ND		1.0		ug/L			11/22/20 18:55	1
Bromodichloromethane	ND		0.50		ug/L			11/22/20 18:55	1
Bromoform	ND		0.50		ug/L			11/22/20 18:55	1
Bromomethane	ND		1.0		ug/L			11/22/20 18:55	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			11/22/20 18:55	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			11/22/20 18:55	1
Carbon disulfide	ND		1.0		ug/L			11/22/20 18:55	1
Carbon tetrachloride	ND		0.50		ug/L			11/22/20 18:55	1
Chlorobenzene	ND		0.50		ug/L			11/22/20 18:55	1
Chloroethane	ND		0.50		ug/L			11/22/20 18:55	1
Chloroform	ND		0.50		ug/L			11/22/20 18:55	1
Chloromethane	ND		1.0		ug/L			11/22/20 18:55	1
Dibromochloromethane	ND		0.50		ug/L			11/22/20 18:55	1
Dibromomethane	ND		0.50		ug/L			11/22/20 18:55	1
Dichlorodifluoromethane	ND		1.0		ug/L			11/22/20 18:55	1
Ethylbenzene	ND		0.50		ug/L			11/22/20 18:55	1
Isopropylbenzene	ND *		0.50		ug/L			11/22/20 18:55	1
Methylene Chloride	ND		1.0		ug/L			11/22/20 18:55	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			11/22/20 18:55	1
Naphthalene	ND		1.0		ug/L			11/22/20 18:55	1
n-Butylbenzene	ND		0.50		ug/L			11/22/20 18:55	1
N-Propylbenzene	ND		0.50		ug/L			11/22/20 18:55	1
o-Xylene	ND		0.50		ug/L			11/22/20 18:55	1
m,p-Xylene	ND		1.0		ug/L			11/22/20 18:55	1
p-Isopropyltoluene	ND		0.50		ug/L			11/22/20 18:55	1
sec-Butylbenzene	ND *		0.50		ug/L			11/22/20 18:55	1
Styrene	ND		0.50		ug/L			11/22/20 18:55	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			11/22/20 18:55	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			11/22/20 18:55	1
tert-Butylbenzene	ND		0.50		ug/L			11/22/20 18:55	1
Tetrachloroethene	ND		0.50		ug/L			11/22/20 18:55	1
Toluene	ND		0.50		ug/L			11/22/20 18:55	1
Trichloroethene	ND		0.50		ug/L			11/22/20 18:55	1
Trichlorofluoromethane	ND		0.50		ug/L			11/22/20 18:55	1
Vinyl acetate	ND		5.0		ug/L			11/22/20 18:55	1
Vinyl chloride	ND		0.50		ug/L			11/22/20 18:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		80 - 128		11/22/20 18:55	1
4-Bromofluorobenzene (Surr)	93		68 - 120		11/22/20 18:55	1
Dibromofluoromethane	107		80 - 127		11/22/20 18:55	1
Toluene-d8 (Surr)	101		80 - 120		11/22/20 18:55	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-43571-1

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

Client Sample ID: LAX-01
Date Collected: 11/11/20 10:25
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50		ug/L		11/17/20 07:46	11/18/20 10:20	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	39		15 - 150				11/17/20 07:46	11/18/20 10:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	82		46 - 128				11/17/20 07:46	11/18/20 10:20	1

Client Sample ID: UAX-03
Date Collected: 11/11/20 12:12
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50		ug/L		11/17/20 07:46	11/18/20 10:34	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	39		15 - 150				11/17/20 07:46	11/18/20 10:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	84		46 - 128				11/17/20 07:46	11/18/20 10:34	1

Client Sample ID: HEW-04
Date Collected: 11/11/20 12:45
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	6.3		0.50		ug/L		11/17/20 07:46	11/18/20 10:49	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	35		15 - 150				11/17/20 07:46	11/18/20 10:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	74		46 - 128				11/17/20 07:46	11/18/20 10:49	1

Client Sample ID: UAX-02
Date Collected: 11/11/20 13:40
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.7		0.50		ug/L		11/17/20 07:46	11/18/20 11:03	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	35		15 - 150				11/17/20 07:46	11/18/20 11:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	66		46 - 128				11/17/20 07:46	11/18/20 11:03	1

Client Sample ID: LAX-02
Date Collected: 11/11/20 14:20
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-6
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50		ug/L		11/17/20 07:46	11/18/20 11:18	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	38		15 - 150				11/17/20 07:46	11/18/20 11:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	72		46 - 128				11/17/20 07:46	11/18/20 11:18	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-43571-1

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

Client Sample ID: HEW-01
Date Collected: 11/11/20 14:46
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-7
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50		ug/L		11/17/20 07:46	11/18/20 11:33	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	34		15 - 150				11/17/20 07:46	11/18/20 11:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	71		46 - 128				11/17/20 07:46	11/18/20 11:33	1

Client Sample ID: UAX-01
Date Collected: 11/11/20 15:20
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-8
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50		ug/L		11/17/20 07:46	11/18/20 11:47	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	33		15 - 150				11/17/20 07:46	11/18/20 11:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	70		46 - 128				11/17/20 07:46	11/18/20 11:47	1

Client Sample ID: LAX-03
Date Collected: 11/11/20 13:18
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-9
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50		ug/L		11/17/20 07:46	11/18/20 13:55	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	36		15 - 150				11/17/20 07:46	11/18/20 13:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	84		46 - 128				11/17/20 07:46	11/18/20 13:55	1

Client Sample ID: RB-111120
Date Collected: 11/11/20 13:25
Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50		ug/L		11/17/20 07:46	11/18/20 14:10	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	34		15 - 150				11/17/20 07:46	11/18/20 14:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	70		46 - 128				11/17/20 07:46	11/18/20 14:10	1

Surrogate Summary

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

Job ID: 570-43571-1

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 (80-128)	BFB (68-120)	DBFM (80-127)	TOL (80-120)
570-43571-1	TB-111120	112	93	104	100
570-43571-2	LAX-01	118	93	103	101
570-43571-3	UAX-03	115	92	102	102
570-43571-4	HEW-04	115	93	104	101
570-43571-5	UAX-02	112	92	104	102
570-43571-5 MS	UAX-02	105	105	98	101
570-43571-5 MSD	UAX-02	104	105	99	103
570-43571-6	LAX-02	113	94	104	99
570-43571-7	HEW-01	112	93	105	101
570-43571-8	UAX-01	113	91	105	97
570-43571-9	LAX-03	113	92	102	99
570-43571-10	RB-111120	113	93	107	101
LCS 570-111541/3	Lab Control Sample	98	100	99	101
LCS 570-111575/3	Lab Control Sample	103	103	100	101
LCSD 570-111541/4	Lab Control Sample Dup	98	101	99	101
LCSD 570-111575/4	Lab Control Sample Dup	102	104	98	102
MB 570-111541/7	Method Blank	106	91	102	99
MB 570-111575/7	Method Blank	110	92	102	100

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 (46-128)			
570-43563-J-8-A MS	Matrix Spike	82			
570-43563-J-8-B MSD	Matrix Spike Duplicate	73			
570-43571-2	LAX-01	82			
570-43571-3	UAX-03	84			
570-43571-4	HEW-04	74			
570-43571-5	UAX-02	66			
570-43571-6	LAX-02	72			
570-43571-7	HEW-01	71			
570-43571-8	UAX-01	70			
570-43571-9	LAX-03	84			
570-43571-10	RB-111120	70			
LCS 570-110117/2-A	Lab Control Sample	83			
LCSD 570-110117/3-A	Lab Control Sample Dup	77			
MB 570-110117/1-A	Method Blank	86			

Surrogate Legend

NBZ = Nitrobenzene-d5

Isotope Dilution Summary

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

Job ID: 570-43571-1

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)
570-43563-J-8-A MS	Matrix Spike	40
570-43563-J-8-B MSD	Matrix Spike Duplicate	37
570-43571-2	LAX-01	39
570-43571-3	UAX-03	39
570-43571-4	HEW-04	35
570-43571-5	UAX-02	35
570-43571-6	LAX-02	38
570-43571-7	HEW-01	34
570-43571-8	UAX-01	33
570-43571-9	LAX-03	36
570-43571-10	RB-111120	34
LCS 570-110117/2-A	Lab Control Sample	40
LCSD 570-110117/3-A	Lab Control Sample Dup	38
MB 570-110117/1-A	Method Blank	42

Surrogate Legend

DXE = 1,4-Dioxane-d8

QC Sample Results

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

Job ID: 570-43571-1

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

Lab Sample ID: MB 570-111541/7

Matrix: Water

Analysis Batch: 111541

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			11/21/20 22:35	1
1,1,1-Trichloroethane	ND		0.50		ug/L			11/21/20 22:35	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			11/21/20 22:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			11/21/20 22:35	1
1,1,2-Trichloroethane	ND		0.50		ug/L			11/21/20 22:35	1
1,1-Dichloroethane	ND		0.50		ug/L			11/21/20 22:35	1
1,1-Dichloroethene	ND		0.50		ug/L			11/21/20 22:35	1
1,1-Dichloropropene	ND		0.50		ug/L			11/21/20 22:35	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			11/21/20 22:35	1
1,2,3-Trichloropropane	ND		0.50		ug/L			11/21/20 22:35	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			11/21/20 22:35	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			11/21/20 22:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			11/21/20 22:35	1
1,2-Dibromoethane	ND		0.50		ug/L			11/21/20 22:35	1
1,2-Dichlorobenzene	ND		0.50		ug/L			11/21/20 22:35	1
1,2-Dichloroethane	ND		0.50		ug/L			11/21/20 22:35	1
1,2-Dichloropropane	ND		0.50		ug/L			11/21/20 22:35	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			11/21/20 22:35	1
1,3-Dichlorobenzene	ND		0.50		ug/L			11/21/20 22:35	1
1,3-Dichloropropane	ND		0.50		ug/L			11/21/20 22:35	1
1,4-Dichlorobenzene	ND		0.50		ug/L			11/21/20 22:35	1
2,2-Dichloropropane	ND		0.50		ug/L			11/21/20 22:35	1
2-Butanone	ND		5.0		ug/L			11/21/20 22:35	1
2-Chlorotoluene	ND		0.50		ug/L			11/21/20 22:35	1
2-Hexanone	ND		6.0		ug/L			11/21/20 22:35	1
4-Chlorotoluene	ND		0.50		ug/L			11/21/20 22:35	1
4-Methyl-2-pentanone	ND		5.0		ug/L			11/21/20 22:35	1
Acetone	ND		8.0		ug/L			11/21/20 22:35	1
Benzene	ND		0.50		ug/L			11/21/20 22:35	1
Bromobenzene	ND		0.50		ug/L			11/21/20 22:35	1
Bromochloromethane	ND		1.0		ug/L			11/21/20 22:35	1
Bromodichloromethane	ND		0.50		ug/L			11/21/20 22:35	1
Bromoform	ND		0.50		ug/L			11/21/20 22:35	1
Bromomethane	ND		1.0		ug/L			11/21/20 22:35	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			11/21/20 22:35	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			11/21/20 22:35	1
Carbon disulfide	ND		1.0		ug/L			11/21/20 22:35	1
Carbon tetrachloride	ND		0.50		ug/L			11/21/20 22:35	1
Chlorobenzene	ND		0.50		ug/L			11/21/20 22:35	1
Chloroethane	ND		0.50		ug/L			11/21/20 22:35	1
Chloroform	ND		0.50		ug/L			11/21/20 22:35	1
Chloromethane	ND		1.0		ug/L			11/21/20 22:35	1
Dibromochloromethane	ND		0.50		ug/L			11/21/20 22:35	1
Dibromomethane	ND		0.50		ug/L			11/21/20 22:35	1
Dichlorodifluoromethane	ND		1.0		ug/L			11/21/20 22:35	1
Ethylbenzene	ND		0.50		ug/L			11/21/20 22:35	1
Isopropylbenzene	ND		0.50		ug/L			11/21/20 22:35	1
Methylene Chloride	ND		1.0		ug/L			11/21/20 22:35	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-43571-1

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

Lab Sample ID: MB 570-111541/7

Matrix: Water

Analysis Batch: 111541

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			11/21/20 22:35	1
Naphthalene	ND		1.0		ug/L			11/21/20 22:35	1
n-Butylbenzene	ND		0.50		ug/L			11/21/20 22:35	1
N-Propylbenzene	ND		0.50		ug/L			11/21/20 22:35	1
o-Xylene	ND		0.50		ug/L			11/21/20 22:35	1
m,p-Xylene	ND		1.0		ug/L			11/21/20 22:35	1
p-Isopropyltoluene	ND		0.50		ug/L			11/21/20 22:35	1
sec-Butylbenzene	ND		0.50		ug/L			11/21/20 22:35	1
Styrene	ND		0.50		ug/L			11/21/20 22:35	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			11/21/20 22:35	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			11/21/20 22:35	1
tert-Butylbenzene	ND		0.50		ug/L			11/21/20 22:35	1
Tetrachloroethene	ND		0.50		ug/L			11/21/20 22:35	1
Toluene	ND		0.50		ug/L			11/21/20 22:35	1
Trichloroethene	ND		0.50		ug/L			11/21/20 22:35	1
Trichlorofluoromethane	ND		0.50		ug/L			11/21/20 22:35	1
Vinyl acetate	ND		5.0		ug/L			11/21/20 22:35	1
Vinyl chloride	ND		0.50		ug/L			11/21/20 22:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 128		11/21/20 22:35	1
4-Bromofluorobenzene (Surr)	91		68 - 120		11/21/20 22:35	1
Dibromofluoromethane	102		80 - 127		11/21/20 22:35	1
Toluene-d8 (Surr)	99		80 - 120		11/21/20 22:35	1

Lab Sample ID: LCS 570-111541/3

Matrix: Water

Analysis Batch: 111541

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	10.39		ug/L		104	80 - 126
1,1,1-Trichloroethane	10.0	11.22		ug/L		112	80 - 125
1,1,2,2-Tetrachloroethane	10.0	9.381		ug/L		94	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	11.25		ug/L		113	51 - 140
1,1,2-Trichloroethane	10.0	9.871		ug/L		99	80 - 120
1,1-Dichloroethane	10.0	10.55		ug/L		105	77 - 120
1,1-Dichloroethene	10.0	11.99		ug/L		120	74 - 128
1,1-Dichloropropene	10.0	11.67		ug/L		117	79 - 125
1,2,3-Trichlorobenzene	10.0	10.23		ug/L		102	80 - 121
1,2,3-Trichloropropane	10.0	9.642		ug/L		96	80 - 120
1,2,4-Trichlorobenzene	10.0	10.23		ug/L		102	80 - 120
1,2,4-Trimethylbenzene	10.0	10.82		ug/L		108	80 - 122
1,2-Dibromo-3-Chloropropane	10.0	9.353		ug/L		94	67 - 120
1,2-Dibromoethane	10.0	10.13		ug/L		101	80 - 120
1,2-Dichlorobenzene	10.0	9.937		ug/L		99	80 - 120
1,2-Dichloroethane	10.0	10.34		ug/L		103	80 - 123
1,2-Dichloropropane	10.0	10.27		ug/L		103	80 - 120
1,3,5-Trimethylbenzene	10.0	11.34		ug/L		113	80 - 121

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-43571-1

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

Lab Sample ID: LCS 570-111541/3

Matrix: Water

Analysis Batch: 111541

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	10.29		ug/L		103	80 - 120
1,3-Dichloropropane	10.0	9.860		ug/L		99	80 - 120
1,4-Dichlorobenzene	10.0	10.11		ug/L		101	80 - 120
2,2-Dichloropropane	10.0	11.25		ug/L		112	77 - 139
2-Butanone	10.0	9.178		ug/L		92	50 - 127
2-Chlorotoluene	10.0	10.85		ug/L		109	80 - 120
2-Hexanone	10.0	9.902		ug/L		99	66 - 129
4-Chlorotoluene	10.0	10.57		ug/L		106	80 - 120
4-Methyl-2-pentanone	10.0	9.395		ug/L		94	72 - 120
Acetone	10.0	7.631	J	ug/L		76	58 - 131
Benzene	10.0	10.47		ug/L		105	80 - 120
Bromobenzene	10.0	10.36		ug/L		104	80 - 120
Bromochloromethane	10.0	9.934		ug/L		99	80 - 120
Bromodichloromethane	10.0	10.30		ug/L		103	80 - 126
Bromoform	10.0	9.547		ug/L		95	70 - 141
Bromomethane	10.0	11.13		ug/L		111	50 - 150
cis-1,2-Dichloroethene	10.0	10.70		ug/L		107	80 - 121
cis-1,3-Dichloropropene	10.0	10.52		ug/L		105	80 - 120
Carbon disulfide	10.0	12.06		ug/L		121	65 - 136
Carbon tetrachloride	10.0	12.08		ug/L		121	75 - 142
Chlorobenzene	10.0	10.42		ug/L		104	80 - 120
Chloroethane	10.0	10.20		ug/L		102	74 - 123
Chloroform	10.0	10.33		ug/L		103	80 - 120
Chloromethane	10.0	10.08		ug/L		101	54 - 140
Dibromochloromethane	10.0	10.12		ug/L		101	80 - 128
Dibromomethane	10.0	10.25		ug/L		102	80 - 120
Dichlorodifluoromethane	10.0	12.22		ug/L		122	63 - 135
Ethylbenzene	10.0	11.31		ug/L		113	80 - 120
Isopropylbenzene	10.0	11.87		ug/L		119	80 - 121
Methylene Chloride	10.0	9.666		ug/L		97	71 - 125
Methyl-t-Butyl Ether (MTBE)	10.0	9.934		ug/L		99	70 - 121
Naphthalene	10.0	10.04		ug/L		100	80 - 125
n-Butylbenzene	10.0	11.41		ug/L		114	80 - 124
N-Propylbenzene	10.0	11.49		ug/L		115	80 - 121
o-Xylene	10.0	11.23		ug/L		112	80 - 120
m,p-Xylene	20.0	22.43		ug/L		112	80 - 120
p-Isopropyltoluene	10.0	11.41		ug/L		114	80 - 121
sec-Butylbenzene	10.0	11.76		ug/L		118	80 - 120
Styrene	10.0	11.06		ug/L		111	80 - 120
trans-1,2-Dichloroethene	10.0	10.71		ug/L		107	74 - 121
trans-1,3-Dichloropropene	10.0	10.86		ug/L		109	80 - 123
tert-Butylbenzene	10.0	11.03		ug/L		110	80 - 120
Tetrachloroethene	10.0	11.19		ug/L		112	80 - 126
Toluene	10.0	10.56		ug/L		106	80 - 120
Trichloroethene	10.0	11.18		ug/L		112	80 - 120
Trichlorofluoromethane	10.0	11.74		ug/L		117	74 - 137
Vinyl acetate	10.0	8.629		ug/L		86	50 - 150
Vinyl chloride	10.0	11.00		ug/L		110	72 - 126

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-43571-1

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

Lab Sample ID: LCS 570-111541/3

Matrix: Water

Analysis Batch: 111541

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		80 - 128
4-Bromofluorobenzene (Surr)	100		68 - 120
Dibromofluoromethane	99		80 - 127
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 570-111541/4

Matrix: Water

Analysis Batch: 111541

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	10.02		ug/L		100	80 - 126	4	11
1,1,1-Trichloroethane	10.0	10.53		ug/L		105	80 - 125	6	14
1,1,2,2-Tetrachloroethane	10.0	9.041		ug/L		90	80 - 120	4	16
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.56		ug/L		106	51 - 140	6	18
1,1,2-Trichloroethane	10.0	9.506		ug/L		95	80 - 120	4	13
1,1-Dichloroethane	10.0	9.941		ug/L		99	77 - 120	6	14
1,1-Dichloroethene	10.0	10.86		ug/L		109	74 - 128	10	17
1,1-Dichloropropene	10.0	11.08		ug/L		111	79 - 125	5	14
1,2,3-Trichlorobenzene	10.0	10.31		ug/L		103	80 - 121	1	15
1,2,3-Trichloropropane	10.0	9.527		ug/L		95	80 - 120	1	14
1,2,4-Trichlorobenzene	10.0	10.10		ug/L		101	80 - 120	1	16
1,2,4-Trimethylbenzene	10.0	10.56		ug/L		106	80 - 122	2	15
1,2-Dibromo-3-Chloropropane	10.0	9.447		ug/L		94	67 - 120	1	20
1,2-Dibromoethane	10.0	9.846		ug/L		98	80 - 120	3	12
1,2-Dichlorobenzene	10.0	9.922		ug/L		99	80 - 120	0	14
1,2-Dichloroethane	10.0	9.940		ug/L		99	80 - 123	4	10
1,2-Dichloropropane	10.0	9.925		ug/L		99	80 - 120	3	11
1,3,5-Trimethylbenzene	10.0	10.87		ug/L		109	80 - 121	4	13
1,3-Dichlorobenzene	10.0	9.915		ug/L		99	80 - 120	4	15
1,3-Dichloropropane	10.0	9.699		ug/L		97	80 - 120	2	13
1,4-Dichlorobenzene	10.0	9.789		ug/L		98	80 - 120	3	15
2,2-Dichloropropane	10.0	10.37		ug/L		104	77 - 139	8	16
2-Butanone	10.0	9.605		ug/L		96	50 - 127	5	26
2-Chlorotoluene	10.0	10.17		ug/L		102	80 - 120	6	13
2-Hexanone	10.0	9.856		ug/L		99	66 - 129	0	21
4-Chlorotoluene	10.0	10.31		ug/L		103	80 - 120	2	16
4-Methyl-2-pentanone	10.0	9.215		ug/L		92	72 - 120	2	14
Acetone	10.0	9.446		ug/L		94	58 - 131	21	30
Benzene	10.0	10.06		ug/L		101	80 - 120	4	12
Bromobenzene	10.0	9.973		ug/L		100	80 - 120	4	11
Bromochloromethane	10.0	9.616		ug/L		96	80 - 120	3	12
Bromodichloromethane	10.0	9.991		ug/L		100	80 - 126	3	11
Bromoform	10.0	9.572		ug/L		96	70 - 141	0	15
Bromomethane	10.0	10.21		ug/L		102	50 - 150	9	22
cis-1,2-Dichloroethene	10.0	10.35		ug/L		103	80 - 121	3	13
cis-1,3-Dichloropropene	10.0	10.16		ug/L		102	80 - 120	3	12
Carbon disulfide	10.0	11.29		ug/L		113	65 - 136	7	17
Carbon tetrachloride	10.0	11.45		ug/L		115	75 - 142	5	15

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-43571-1

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

Lab Sample ID: LCSD 570-111541/4

Matrix: Water

Analysis Batch: 111541

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	9.982		ug/L		100	80 - 120	4	12
Chloroethane	10.0	9.662		ug/L		97	74 - 123	5	17
Chloroform	10.0	9.726		ug/L		97	80 - 120	6	12
Chloromethane	10.0	10.42		ug/L		104	54 - 140	3	19
Dibromochloromethane	10.0	9.571		ug/L		96	80 - 128	6	11
Dibromomethane	10.0	9.972		ug/L		100	80 - 120	3	11
Dichlorodifluoromethane	10.0	11.09		ug/L		111	63 - 135	10	17
Ethylbenzene	10.0	10.74		ug/L		107	80 - 120	5	13
Isopropylbenzene	10.0	11.08		ug/L		111	80 - 121	7	13
Methylene Chloride	10.0	9.449		ug/L		94	71 - 125	2	19
Methyl-t-Butyl Ether (MTBE)	10.0	9.382		ug/L		94	70 - 121	6	11
Naphthalene	10.0	10.02		ug/L		100	80 - 125	0	16
n-Butylbenzene	10.0	10.93		ug/L		109	80 - 124	4	16
N-Propylbenzene	10.0	10.77		ug/L		108	80 - 121	6	14
o-Xylene	10.0	10.64		ug/L		106	80 - 120	5	12
m,p-Xylene	20.0	21.24		ug/L		106	80 - 120	5	13
p-Isopropyltoluene	10.0	11.00		ug/L		110	80 - 121	4	16
sec-Butylbenzene	10.0	11.19		ug/L		112	80 - 120	5	16
Styrene	10.0	10.58		ug/L		106	80 - 120	4	12
trans-1,2-Dichloroethene	10.0	10.28		ug/L		103	74 - 121	4	14
trans-1,3-Dichloropropene	10.0	10.56		ug/L		106	80 - 123	3	13
tert-Butylbenzene	10.0	10.75		ug/L		108	80 - 120	3	16
Tetrachloroethene	10.0	10.63		ug/L		106	80 - 126	5	15
Toluene	10.0	10.21		ug/L		102	80 - 120	3	13
Trichloroethene	10.0	10.47		ug/L		105	80 - 120	7	14
Trichlorofluoromethane	10.0	10.83		ug/L		108	74 - 137	8	16
Vinyl acetate	10.0	8.939		ug/L		89	50 - 150	4	28
Vinyl chloride	10.0	10.32		ug/L		103	72 - 126	6	17

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	98		80 - 128
4-Bromofluorobenzene (Surr)	101		68 - 120
Dibromofluoromethane	99		80 - 127
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: MB 570-111575/7

Matrix: Water

Analysis Batch: 111575

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			11/22/20 13:15	1
1,1,1-Trichloroethane	ND		0.50		ug/L			11/22/20 13:15	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			11/22/20 13:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			11/22/20 13:15	1
1,1,2-Trichloroethane	ND		0.50		ug/L			11/22/20 13:15	1
1,1-Dichloroethane	ND		0.50		ug/L			11/22/20 13:15	1
1,1-Dichloroethene	ND		0.50		ug/L			11/22/20 13:15	1
1,1-Dichloropropene	ND		0.50		ug/L			11/22/20 13:15	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-43571-1

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

Lab Sample ID: MB 570-111575/7

Matrix: Water

Analysis Batch: 111575

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		ug/L			11/22/20 13:15	1
1,2,3-Trichloropropane	ND		0.50		ug/L			11/22/20 13:15	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			11/22/20 13:15	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			11/22/20 13:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			11/22/20 13:15	1
1,2-Dibromoethane	ND		0.50		ug/L			11/22/20 13:15	1
1,2-Dichlorobenzene	ND		0.50		ug/L			11/22/20 13:15	1
1,2-Dichloroethane	ND		0.50		ug/L			11/22/20 13:15	1
1,2-Dichloropropane	ND		0.50		ug/L			11/22/20 13:15	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			11/22/20 13:15	1
1,3-Dichlorobenzene	ND		0.50		ug/L			11/22/20 13:15	1
1,3-Dichloropropane	ND		0.50		ug/L			11/22/20 13:15	1
1,4-Dichlorobenzene	ND		0.50		ug/L			11/22/20 13:15	1
2,2-Dichloropropane	ND		0.50		ug/L			11/22/20 13:15	1
2-Butanone	ND		5.0		ug/L			11/22/20 13:15	1
2-Chlorotoluene	ND		0.50		ug/L			11/22/20 13:15	1
2-Hexanone	ND		6.0		ug/L			11/22/20 13:15	1
4-Chlorotoluene	ND		0.50		ug/L			11/22/20 13:15	1
4-Methyl-2-pentanone	ND		5.0		ug/L			11/22/20 13:15	1
Acetone	ND		8.0		ug/L			11/22/20 13:15	1
Benzene	ND		0.50		ug/L			11/22/20 13:15	1
Bromobenzene	ND		0.50		ug/L			11/22/20 13:15	1
Bromochloromethane	ND		1.0		ug/L			11/22/20 13:15	1
Bromodichloromethane	ND		0.50		ug/L			11/22/20 13:15	1
Bromoform	ND		0.50		ug/L			11/22/20 13:15	1
Bromomethane	ND		1.0		ug/L			11/22/20 13:15	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			11/22/20 13:15	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			11/22/20 13:15	1
Carbon disulfide	ND		1.0		ug/L			11/22/20 13:15	1
Carbon tetrachloride	ND		0.50		ug/L			11/22/20 13:15	1
Chlorobenzene	ND		0.50		ug/L			11/22/20 13:15	1
Chloroethane	ND		0.50		ug/L			11/22/20 13:15	1
Chloroform	ND		0.50		ug/L			11/22/20 13:15	1
Chloromethane	ND		1.0		ug/L			11/22/20 13:15	1
Dibromochloromethane	ND		0.50		ug/L			11/22/20 13:15	1
Dibromomethane	ND		0.50		ug/L			11/22/20 13:15	1
Dichlorodifluoromethane	ND		1.0		ug/L			11/22/20 13:15	1
Ethylbenzene	ND		0.50		ug/L			11/22/20 13:15	1
Isopropylbenzene	ND		0.50		ug/L			11/22/20 13:15	1
Methylene Chloride	ND		1.0		ug/L			11/22/20 13:15	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			11/22/20 13:15	1
Naphthalene	ND		1.0		ug/L			11/22/20 13:15	1
n-Butylbenzene	ND		0.50		ug/L			11/22/20 13:15	1
N-Propylbenzene	ND		0.50		ug/L			11/22/20 13:15	1
o-Xylene	ND		0.50		ug/L			11/22/20 13:15	1
m,p-Xylene	ND		1.0		ug/L			11/22/20 13:15	1
p-Isopropyltoluene	ND		0.50		ug/L			11/22/20 13:15	1
sec-Butylbenzene	ND		0.50		ug/L			11/22/20 13:15	1
Styrene	ND		0.50		ug/L			11/22/20 13:15	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-43571-1

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

Lab Sample ID: MB 570-111575/7

Matrix: Water

Analysis Batch: 111575

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		ug/L			11/22/20 13:15	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			11/22/20 13:15	1
tert-Butylbenzene	ND		0.50		ug/L			11/22/20 13:15	1
Tetrachloroethene	ND		0.50		ug/L			11/22/20 13:15	1
Toluene	ND		0.50		ug/L			11/22/20 13:15	1
Trichloroethene	ND		0.50		ug/L			11/22/20 13:15	1
Trichlorofluoromethane	ND		0.50		ug/L			11/22/20 13:15	1
Vinyl acetate	ND		5.0		ug/L			11/22/20 13:15	1
Vinyl chloride	ND		0.50		ug/L			11/22/20 13:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		80 - 128		11/22/20 13:15	1
4-Bromofluorobenzene (Surr)	92		68 - 120		11/22/20 13:15	1
Dibromofluoromethane	102		80 - 127		11/22/20 13:15	1
Toluene-d8 (Surr)	100		80 - 120		11/22/20 13:15	1

Lab Sample ID: LCS 570-111575/3

Matrix: Water

Analysis Batch: 111575

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	10.74		ug/L		107	80 - 126
1,1,1-Trichloroethane	10.0	11.61		ug/L		116	80 - 125
1,1,2,2-Tetrachloroethane	10.0	9.584		ug/L		96	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	11.76		ug/L		118	51 - 140
1,1,2-Trichloroethane	10.0	9.982		ug/L		100	80 - 120
1,1-Dichloroethane	10.0	10.46		ug/L		105	77 - 120
1,1-Dichloroethene	10.0	12.00		ug/L		120	74 - 128
1,1-Dichloropropene	10.0	12.16		ug/L		122	79 - 125
1,2,3-Trichlorobenzene	10.0	10.59		ug/L		106	80 - 121
1,2,3-Trichloropropane	10.0	10.04		ug/L		100	80 - 120
1,2,4-Trichlorobenzene	10.0	10.23		ug/L		102	80 - 120
1,2,4-Trimethylbenzene	10.0	11.30		ug/L		113	80 - 122
1,2-Dibromo-3-Chloropropane	10.0	9.781		ug/L		98	67 - 120
1,2-Dibromoethane	10.0	10.20		ug/L		102	80 - 120
1,2-Dichlorobenzene	10.0	10.25		ug/L		103	80 - 120
1,2-Dichloroethane	10.0	10.91		ug/L		109	80 - 123
1,2-Dichloropropane	10.0	10.34		ug/L		103	80 - 120
1,3,5-Trimethylbenzene	10.0	11.80		ug/L		118	80 - 121
1,3-Dichlorobenzene	10.0	10.45		ug/L		104	80 - 120
1,3-Dichloropropane	10.0	10.06		ug/L		101	80 - 120
1,4-Dichlorobenzene	10.0	10.41		ug/L		104	80 - 120
2,2-Dichloropropane	10.0	12.59		ug/L		126	77 - 139
2-Butanone	10.0	9.061		ug/L		91	50 - 127
2-Chlorotoluene	10.0	11.36		ug/L		114	80 - 120
2-Hexanone	10.0	10.35		ug/L		103	66 - 129
4-Chlorotoluene	10.0	11.05		ug/L		110	80 - 120
4-Methyl-2-pentanone	10.0	8.949		ug/L		89	72 - 120

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-43571-1

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

Lab Sample ID: LCS 570-111575/3

Matrix: Water

Analysis Batch: 111575

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	7.719	J	ug/L		77	58 - 131
Benzene	10.0	10.75		ug/L		107	80 - 120
Bromobenzene	10.0	10.73		ug/L		107	80 - 120
Bromochloromethane	10.0	10.04		ug/L		100	80 - 120
Bromodichloromethane	10.0	10.54		ug/L		105	80 - 126
Bromoform	10.0	9.601		ug/L		96	70 - 141
Bromomethane	10.0	11.46		ug/L		115	50 - 150
cis-1,2-Dichloroethene	10.0	10.91		ug/L		109	80 - 121
cis-1,3-Dichloropropene	10.0	10.88		ug/L		109	80 - 120
Carbon disulfide	10.0	12.18		ug/L		122	65 - 136
Carbon tetrachloride	10.0	12.74		ug/L		127	75 - 142
Chlorobenzene	10.0	10.60		ug/L		106	80 - 120
Chloroethane	10.0	11.03		ug/L		110	74 - 123
Chloroform	10.0	10.71		ug/L		107	80 - 120
Chloromethane	10.0	10.03		ug/L		100	54 - 140
Dibromochloromethane	10.0	10.28		ug/L		103	80 - 128
Dibromomethane	10.0	10.48		ug/L		105	80 - 120
Dichlorodifluoromethane	10.0	12.14		ug/L		121	63 - 135
Ethylbenzene	10.0	11.61		ug/L		116	80 - 120
Isopropylbenzene	10.0	12.32	* me	ug/L		123	80 - 121
Methylene Chloride	10.0	9.736		ug/L		97	71 - 125
Methyl-t-Butyl Ether (MTBE)	10.0	9.718		ug/L		97	70 - 121
Naphthalene	10.0	10.10		ug/L		101	80 - 125
n-Butylbenzene	10.0	11.95		ug/L		119	80 - 124
N-Propylbenzene	10.0	12.08		ug/L		121	80 - 121
o-Xylene	10.0	11.61		ug/L		116	80 - 120
m,p-Xylene	20.0	23.39		ug/L		117	80 - 120
p-Isopropyltoluene	10.0	11.74		ug/L		117	80 - 121
sec-Butylbenzene	10.0	12.20	* me	ug/L		122	80 - 120
Styrene	10.0	11.26		ug/L		113	80 - 120
trans-1,2-Dichloroethene	10.0	10.89		ug/L		109	74 - 121
trans-1,3-Dichloropropene	10.0	11.19		ug/L		112	80 - 123
tert-Butylbenzene	10.0	11.50		ug/L		115	80 - 120
Tetrachloroethene	10.0	11.47		ug/L		115	80 - 126
Toluene	10.0	10.82		ug/L		108	80 - 120
Trichloroethene	10.0	11.15		ug/L		112	80 - 120
Trichlorofluoromethane	10.0	12.60		ug/L		126	74 - 137
Vinyl acetate	10.0	9.557		ug/L		96	50 - 150
Vinyl chloride	10.0	11.32		ug/L		113	72 - 126

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

QC Sample Results

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

Job ID: 570-43571-1

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

Lab Sample ID: LCSD 570-111575/4

Matrix: Water

Analysis Batch: 111575

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	10.11		ug/L		101	80 - 126	6	11
1,1,1-Trichloroethane	10.0	10.84		ug/L		108	80 - 125	7	14
1,1,2,2-Tetrachloroethane	10.0	9.387		ug/L		94	80 - 120	2	16
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.76		ug/L		108	51 - 140	9	18
1,1,2-Trichloroethane	10.0	9.879		ug/L		99	80 - 120	1	13
1,1-Dichloroethane	10.0	9.939		ug/L		99	77 - 120	5	14
1,1-Dichloroethene	10.0	10.95		ug/L		109	74 - 128	9	17
1,1-Dichloropropene	10.0	10.93		ug/L		109	79 - 125	11	14
1,2,3-Trichlorobenzene	10.0	9.978		ug/L		100	80 - 121	6	15
1,2,3-Trichloropropane	10.0	9.873		ug/L		99	80 - 120	2	14
1,2,4-Trichlorobenzene	10.0	9.800		ug/L		98	80 - 120	4	16
1,2,4-Trimethylbenzene	10.0	10.74		ug/L		107	80 - 122	5	15
1,2-Dibromo-3-Chloropropane	10.0	9.154		ug/L		92	67 - 120	7	20
1,2-Dibromoethane	10.0	9.877		ug/L		99	80 - 120	3	12
1,2-Dichlorobenzene	10.0	9.864		ug/L		99	80 - 120	4	14
1,2-Dichloroethane	10.0	10.29		ug/L		103	80 - 123	6	10
1,2-Dichloropropane	10.0	9.686		ug/L		97	80 - 120	7	11
1,3,5-Trimethylbenzene	10.0	11.19		ug/L		112	80 - 121	5	13
1,3-Dichlorobenzene	10.0	9.880		ug/L		99	80 - 120	6	15
1,3-Dichloropropane	10.0	9.977		ug/L		100	80 - 120	1	13
1,4-Dichlorobenzene	10.0	9.822		ug/L		98	80 - 120	6	15
2,2-Dichloropropane	10.0	11.35		ug/L		114	77 - 139	10	16
2-Butanone	10.0	9.025		ug/L		90	50 - 127	0	26
2-Chlorotoluene	10.0	10.66		ug/L		107	80 - 120	6	13
2-Hexanone	10.0	10.12		ug/L		101	66 - 129	2	21
4-Chlorotoluene	10.0	10.24		ug/L		102	80 - 120	8	16
4-Methyl-2-pentanone	10.0	9.124		ug/L		91	72 - 120	2	14
Acetone	10.0	7.822 J		ug/L		78	58 - 131	1	30
Benzene	10.0	9.953		ug/L		100	80 - 120	8	12
Bromobenzene	10.0	10.23		ug/L		102	80 - 120	5	11
Bromochloromethane	10.0	9.581		ug/L		96	80 - 120	5	12
Bromodichloromethane	10.0	10.08		ug/L		101	80 - 126	5	11
Bromoform	10.0	9.338		ug/L		93	70 - 141	3	15
Bromomethane	10.0	10.30		ug/L		103	50 - 150	11	22
cis-1,2-Dichloroethene	10.0	10.16		ug/L		102	80 - 121	7	13
cis-1,3-Dichloropropene	10.0	10.49		ug/L		105	80 - 120	4	12
Carbon disulfide	10.0	11.41		ug/L		114	65 - 136	6	17
Carbon tetrachloride	10.0	11.62		ug/L		116	75 - 142	9	15
Chlorobenzene	10.0	10.08		ug/L		101	80 - 120	5	12
Chloroethane	10.0	9.525		ug/L		95	74 - 123	15	17
Chloroform	10.0	9.886		ug/L		99	80 - 120	8	12
Chloromethane	10.0	9.801		ug/L		98	54 - 140	2	19
Dibromochloromethane	10.0	10.11		ug/L		101	80 - 128	2	11
Dibromomethane	10.0	9.926		ug/L		99	80 - 120	5	11
Dichlorodifluoromethane	10.0	10.70		ug/L		107	63 - 135	13	17
Ethylbenzene	10.0	10.88		ug/L		109	80 - 120	6	13
Isopropylbenzene	10.0	11.48		ug/L		115	80 - 121	7	13
Methylene Chloride	10.0	9.313		ug/L		93	71 - 125	4	19

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-43571-1

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

Lab Sample ID: LCSD 570-111575/4

Matrix: Water

Analysis Batch: 111575

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	9.506		ug/L		95	70 - 121	2	11
Naphthalene	10.0	9.699		ug/L		97	80 - 125	4	16
n-Butylbenzene	10.0	10.95		ug/L		110	80 - 124	9	16
N-Propylbenzene	10.0	11.29		ug/L		113	80 - 121	7	14
o-Xylene	10.0	11.01		ug/L		110	80 - 120	5	12
m,p-Xylene	20.0	21.76		ug/L		109	80 - 120	7	13
p-Isopropyltoluene	10.0	10.91		ug/L		109	80 - 121	7	16
sec-Butylbenzene	10.0	11.24		ug/L		112	80 - 120	8	16
Styrene	10.0	10.72		ug/L		107	80 - 120	5	12
trans-1,2-Dichloroethene	10.0	10.01		ug/L		100	74 - 121	8	14
trans-1,3-Dichloropropene	10.0	10.94		ug/L		109	80 - 123	2	13
tert-Butylbenzene	10.0	10.56		ug/L		106	80 - 120	9	16
Tetrachloroethene	10.0	10.81		ug/L		108	80 - 126	6	15
Toluene	10.0	10.12		ug/L		101	80 - 120	7	13
Trichloroethene	10.0	10.56		ug/L		106	80 - 120	5	14
Trichlorofluoromethane	10.0	11.03		ug/L		110	74 - 137	13	16
Vinyl acetate	10.0	9.685		ug/L		97	50 - 150	1	28
Vinyl chloride	10.0	9.909		ug/L		99	72 - 126	13	17

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 128
4-Bromofluorobenzene (Surr)	104		68 - 120
Dibromofluoromethane	98		80 - 127
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: 570-43571-5 MS

Matrix: Water

Analysis Batch: 111575

Client Sample ID: UAX-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		10.0	10.93		ug/L		109	75 - 127
1,1,1-Trichloroethane	ND		10.0	11.62		ug/L		116	72 - 132
1,1,2,2-Tetrachloroethane	ND		10.0	9.588		ug/L		96	75 - 132
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10.0	11.39		ug/L		114	70 - 130
1,1,2-Trichloroethane	ND		10.0	10.22		ug/L		102	75 - 125
1,1-Dichloroethane	ND		10.0	10.86		ug/L		109	68 - 128
1,1-Dichloroethene	3.8		10.0	15.59		ug/L		118	66 - 126
1,1-Dichloropropene	ND		10.0	11.75		ug/L		117	74 - 134
1,2,3-Trichlorobenzene	ND		10.0	10.48		ug/L		105	75 - 125
1,2,3-Trichloropropane	ND		10.0	10.25		ug/L		103	75 - 125
1,2,4-Trichlorobenzene	ND		10.0	10.27		ug/L		103	75 - 125
1,2,4-Trimethylbenzene	ND		10.0	11.00		ug/L		110	75 - 125
1,2-Dibromo-3-Chloropropane	ND		10.0	9.568		ug/L		96	75 - 127
1,2-Dibromoethane	ND		10.0	10.33		ug/L		103	75 - 126
1,2-Dichlorobenzene	ND		10.0	10.40		ug/L		104	75 - 125
1,2-Dichloroethane	ND		10.0	11.42		ug/L		114	75 - 127
1,2-Dichloropropane	ND		10.0	10.47		ug/L		105	75 - 125
1,3,5-Trimethylbenzene	ND		10.0	11.83		ug/L		118	75 - 127

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-43571-1

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

Lab Sample ID: 570-43571-5 MS

Matrix: Water

Analysis Batch: 111575

Client Sample ID: UAX-02

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichlorobenzene	ND		10.0	10.56		ug/L		106	75 - 126
1,3-Dichloropropane	ND		10.0	10.37		ug/L		104	75 - 125
1,4-Dichlorobenzene	ND		10.0	10.43		ug/L		104	75 - 125
2,2-Dichloropropane	ND		10.0	12.33		ug/L		123	52 - 160
2-Butanone	ND		10.0	10.25		ug/L		103	20 - 180
2-Chlorotoluene	ND		10.0	11.37		ug/L		114	75 - 128
2-Hexanone	ND		10.0	9.721		ug/L		97	74 - 122
4-Chlorotoluene	ND		10.0	10.89		ug/L		109	75 - 125
4-Methyl-2-pentanone	ND		10.0	9.190		ug/L		92	65 - 137
Acetone	ND		10.0	9.171		ug/L		92	20 - 180
Benzene	ND		10.0	10.94		ug/L		109	75 - 125
Bromobenzene	ND		10.0	10.85		ug/L		108	75 - 128
Bromochloromethane	ND		10.0	9.868		ug/L		99	75 - 128
Bromodichloromethane	ND		10.0	10.86		ug/L		109	75 - 125
Bromoform	ND		10.0	9.810		ug/L		98	71 - 137
Bromomethane	ND		10.0	13.47		ug/L		135	37 - 181
cis-1,2-Dichloroethene	ND		10.0	11.11		ug/L		111	75 - 130
cis-1,3-Dichloropropene	ND		10.0	10.65		ug/L		106	75 - 128
Carbon disulfide	ND		10.0	12.07		ug/L		121	58 - 136
Carbon tetrachloride	ND		10.0	12.56		ug/L		126	69 - 135
Chlorobenzene	ND		10.0	10.84		ug/L		108	75 - 125
Chloroethane	ND		10.0	11.14		ug/L		111	20 - 180
Chloroform	ND		10.0	10.67		ug/L		107	75 - 129
Chloromethane	ND		10.0	10.39		ug/L		104	41 - 149
Dibromochloromethane	ND		10.0	10.33		ug/L		103	75 - 125
Dibromomethane	ND		10.0	10.94		ug/L		109	75 - 129
Dichlorodifluoromethane	ND		10.0	12.07		ug/L		121	28 - 172
Ethylbenzene	ND		10.0	11.59		ug/L		116	75 - 125
Isopropylbenzene	ND *		10.0	12.12		ug/L		121	75 - 130
Methylene Chloride	ND		10.0	10.22		ug/L		102	74 - 128
Methyl-t-Butyl Ether (MTBE)	ND		10.0	9.855		ug/L		99	71 - 131
Naphthalene	ND		10.0	9.750		ug/L		98	75 - 136
n-Butylbenzene	ND		10.0	11.60		ug/L		116	75 - 125
N-Propylbenzene	ND		10.0	11.95		ug/L		119	75 - 129
o-Xylene	ND		10.0	11.59		ug/L		116	75 - 127
m,p-Xylene	ND		20.0	23.35		ug/L		117	75 - 125
p-Isopropyltoluene	ND		10.0	11.58		ug/L		116	75 - 125
sec-Butylbenzene	ND *		10.0	11.79		ug/L		118	75 - 129
Styrene	ND		10.0	11.02		ug/L		110	28 - 166
trans-1,2-Dichloroethene	ND		10.0	10.92		ug/L		109	73 - 133
trans-1,3-Dichloropropene	ND		10.0	11.45		ug/L		115	75 - 125
tert-Butylbenzene	ND		10.0	11.23		ug/L		112	75 - 129
Tetrachloroethene	ND		10.0	11.60		ug/L		116	58 - 124
Toluene	ND		10.0	10.83		ug/L		108	75 - 125
Trichloroethene	4.5		10.0	15.28		ug/L		108	75 - 125
Trichlorofluoromethane	ND		10.0	12.61		ug/L		126	68 - 134
Vinyl acetate	ND		10.0	9.526		ug/L		95	65 - 137
Vinyl chloride	ND		10.0	11.22		ug/L		112	52 - 142

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QC Sample Results

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

Job ID: 570-43571-1

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

Lab Sample ID: 570-43571-5 MS

Matrix: Water

Analysis Batch: 111575

Client Sample ID: UAX-02

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		80 - 128
4-Bromofluorobenzene (Surr)	105		68 - 120
Dibromofluoromethane	98		80 - 127
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: 570-43571-5 MSD

Matrix: Water

Analysis Batch: 111575

Client Sample ID: UAX-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		10.0	11.05		ug/L		111	75 - 127	1	20
1,1,1-Trichloroethane	ND		10.0	11.79		ug/L		118	72 - 132	1	20
1,1,2,2-Tetrachloroethane	ND		10.0	9.753		ug/L		98	75 - 132	2	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10.0	10.71		ug/L		107	70 - 130	6	20
1,1,2-Trichloroethane	ND		10.0	10.42		ug/L		104	75 - 125	2	20
1,1-Dichloroethane	ND		10.0	11.32		ug/L		113	68 - 128	4	20
1,1-Dichloroethene	3.8		10.0	15.51		ug/L		117	66 - 126	1	20
1,1-Dichloropropene	ND		10.0	11.93		ug/L		119	74 - 134	2	20
1,2,3-Trichlorobenzene	ND		10.0	10.92		ug/L		109	75 - 125	4	20
1,2,3-Trichloropropane	ND		10.0	10.71		ug/L		107	75 - 125	4	20
1,2,4-Trichlorobenzene	ND		10.0	10.70		ug/L		107	75 - 125	4	20
1,2,4-Trimethylbenzene	ND		10.0	11.44		ug/L		114	75 - 125	4	20
1,2-Dibromo-3-Chloropropane	ND		10.0	9.690		ug/L		97	75 - 127	1	20
1,2-Dibromoethane	ND		10.0	10.56		ug/L		106	75 - 126	2	20
1,2-Dichlorobenzene	ND		10.0	10.68		ug/L		107	75 - 125	3	20
1,2-Dichloroethane	ND		10.0	11.44		ug/L		114	75 - 127	0	20
1,2-Dichloropropane	ND		10.0	10.93		ug/L		109	75 - 125	4	20
1,3,5-Trimethylbenzene	ND		10.0	12.36		ug/L		124	75 - 127	4	20
1,3-Dichlorobenzene	ND		10.0	10.68		ug/L		107	75 - 126	1	20
1,3-Dichloropropane	ND		10.0	10.70		ug/L		107	75 - 125	3	20
1,4-Dichlorobenzene	ND		10.0	10.62		ug/L		106	75 - 125	2	20
2,2-Dichloropropane	ND		10.0	12.69		ug/L		127	52 - 160	3	20
2-Butanone	ND		10.0	10.07		ug/L		101	20 - 180	2	40
2-Chlorotoluene	ND		10.0	11.63		ug/L		116	75 - 128	2	20
2-Hexanone	ND		10.0	10.37		ug/L		104	74 - 122	6	20
4-Chlorotoluene	ND		10.0	11.27		ug/L		113	75 - 125	3	20
4-Methyl-2-pentanone	ND		10.0	9.680		ug/L		97	65 - 137	5	20
Acetone	ND		10.0	9.796		ug/L		98	20 - 180	7	52
Benzene	ND		10.0	11.08		ug/L		111	75 - 125	1	20
Bromobenzene	ND		10.0	11.28		ug/L		113	75 - 128	4	20
Bromochloromethane	ND		10.0	10.49		ug/L		105	75 - 128	6	20
Bromodichloromethane	ND		10.0	11.16		ug/L		112	75 - 125	3	20
Bromoform	ND		10.0	10.30		ug/L		103	71 - 137	5	20
Bromomethane	ND		10.0	12.54		ug/L		125	37 - 181	7	22
cis-1,2-Dichloroethene	ND		10.0	11.42		ug/L		114	75 - 130	3	20
cis-1,3-Dichloropropene	ND		10.0	10.97		ug/L		110	75 - 128	3	20
Carbon disulfide	ND		10.0	12.43		ug/L		124	58 - 136	3	20
Carbon tetrachloride	ND		10.0	12.73		ug/L		127	69 - 135	1	20

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QC Sample Results

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

Job ID: 570-43571-1

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

Lab Sample ID: 570-43571-5 MSD

Matrix: Water

Analysis Batch: 111575

Client Sample ID: UAX-02

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobenzene	ND		10.0	10.96		ug/L		110	75 - 125	1	20
Chloroethane	ND		10.0	11.16		ug/L		112	20 - 180	0	20
Chloroform	ND		10.0	11.06		ug/L		111	75 - 129	4	20
Chloromethane	ND		10.0	11.63		ug/L		116	41 - 149	11	20
Dibromochloromethane	ND		10.0	10.74		ug/L		107	75 - 125	4	20
Dibromomethane	ND		10.0	10.99		ug/L		110	75 - 129	0	20
Dichlorodifluoromethane	ND		10.0	11.54		ug/L		115	28 - 172	5	20
Ethylbenzene	ND		10.0	12.03		ug/L		120	75 - 125	4	20
Isopropylbenzene	ND *		10.0	12.63		ug/L		126	75 - 130	4	20
Methylene Chloride	ND		10.0	10.46		ug/L		105	74 - 128	2	20
Methyl-t-Butyl Ether (MTBE)	ND		10.0	10.23		ug/L		102	71 - 131	4	20
Naphthalene	ND		10.0	10.50		ug/L		105	75 - 136	7	20
n-Butylbenzene	ND		10.0	11.87		ug/L		119	75 - 125	2	20
N-Propylbenzene	ND		10.0	12.33		ug/L		123	75 - 129	3	20
o-Xylene	ND		10.0	12.18		ug/L		122	75 - 127	5	20
m,p-Xylene	ND		20.0	24.04		ug/L		120	75 - 125	3	20
p-Isopropyltoluene	ND		10.0	11.90		ug/L		119	75 - 125	3	20
sec-Butylbenzene	ND *		10.0	12.09		ug/L		121	75 - 129	3	20
Styrene	ND		10.0	11.63		ug/L		116	28 - 166	5	20
trans-1,2-Dichloroethene	ND		10.0	11.10		ug/L		111	73 - 133	2	20
trans-1,3-Dichloropropene	ND		10.0	11.82		ug/L		118	75 - 125	3	20
tert-Butylbenzene	ND		10.0	11.52		ug/L		115	75 - 129	3	20
Tetrachloroethene	ND		10.0	11.81		ug/L		118	58 - 124	2	20
Toluene	ND		10.0	11.04		ug/L		110	75 - 125	2	20
Trichloroethene	4.5		10.0	15.92		ug/L		114	75 - 125	4	20
Trichlorofluoromethane	ND		10.0	12.35		ug/L		124	68 - 134	2	20
Vinyl acetate	ND		10.0	10.12		ug/L		101	65 - 137	6	20
Vinyl chloride	ND		10.0	11.63		ug/L		116	52 - 142	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 128
4-Bromofluorobenzene (Surr)	105		68 - 120
Dibromofluoromethane	99		80 - 127
Toluene-d8 (Surr)	103		80 - 120

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

Lab Sample ID: MB 570-110117/1-A

Matrix: Water

Analysis Batch: 110162

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110117

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50		ug/L		11/17/20 07:46	11/17/20 19:10	1
Isotope Dilution	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	42		15 - 150				11/17/20 07:46	11/17/20 19:10	1

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QC Sample Results

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

Job ID: 570-43571-1

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

Lab Sample ID: MB 570-110117/1-A

Matrix: Water

Analysis Batch: 110162

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110117

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	86		46 - 128	11/17/20 07:46	11/17/20 19:10	1

Lab Sample ID: LCS 570-110117/2-A

Matrix: Water

Analysis Batch: 110162

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110117

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	20.0	16.52		ug/L		83	57 - 136
Isotope Dilution	%Recovery	LCS Qualifier	Limits				
1,4-Dioxane-d8	40		15 - 150				
Surrogate	%Recovery	LCS Qualifier	Limits				
Nitrobenzene-d5	83		46 - 128				

Lab Sample ID: LCSD 570-110117/3-A

Matrix: Water

Analysis Batch: 110162

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110117

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	20.0	17.38		ug/L		87	57 - 136	5	20
Isotope Dilution	%Recovery	LCSD Qualifier	Limits						
1,4-Dioxane-d8	38		15 - 150						
Surrogate	%Recovery	LCSD Qualifier	Limits						
Nitrobenzene-d5	77		46 - 128						

Lab Sample ID: 570-43563-J-8-A MS

Matrix: Water

Analysis Batch: 110162

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 110117

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	11		20.0	29.08		ug/L		90	45 - 139
Isotope Dilution	%Recovery	MS Qualifier	Limits						
1,4-Dioxane-d8	40		15 - 150						
Surrogate	%Recovery	MS Qualifier	Limits						
Nitrobenzene-d5	82		46 - 128						

QC Sample Results

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

Job ID: 570-43571-1

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

Lab Sample ID: 570-43563-J-8-B MSD

Matrix: Water

Analysis Batch: 110162

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 110117

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	11		20.0	29.38		ug/L		91	45 - 139	1	17
	<i>MSD</i>	<i>MSD</i>									
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>								
1,4-Dioxane-d8	37		15 - 150								
	<i>MSD</i>	<i>MSD</i>									
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>								
Nitrobenzene-d5	73		46 - 128								

Marginal Exceedance (ME) Summary

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

Job ID: 570-43571-1

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

Lab Sample ID: LCS 570-111575/3

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	10.74		ug/L	107	80 - 126	72 - 134	
1,1,1-Trichloroethane	10.0	11.61		ug/L	116	80 - 125	73 - 133	
1,1,2,2-Tetrachloroethane	10.0	9.584		ug/L	96	80 - 120	73 - 127	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	11.76		ug/L	118	51 - 140	36 - 155	
1,1,2-Trichloroethane	10.0	9.982		ug/L	100	80 - 120	73 - 127	
1,1-Dichloroethane	10.0	10.46		ug/L	105	77 - 120	70 - 127	
1,1-Dichloroethene	10.0	12.00		ug/L	120	74 - 128	65 - 137	
1,1-Dichloropropene	10.0	12.16		ug/L	122	79 - 125	71 - 133	
1,2,3-Trichlorobenzene	10.0	10.59		ug/L	106	80 - 121	73 - 128	
1,2,3-Trichloropropane	10.0	10.04		ug/L	100	80 - 120	73 - 127	
1,2,4-Trichlorobenzene	10.0	10.23		ug/L	102	80 - 120	73 - 127	
1,2,4-Trimethylbenzene	10.0	11.30		ug/L	113	80 - 122	73 - 129	
1,2-Dibromo-3-Chloropropane	10.0	9.781		ug/L	98	67 - 120	58 - 129	
1,2-Dibromoethane	10.0	10.20		ug/L	102	80 - 120	73 - 127	
1,2-Dichlorobenzene	10.0	10.25		ug/L	103	80 - 120	73 - 127	
1,2-Dichloroethane	10.0	10.91		ug/L	109	80 - 123	73 - 130	
1,2-Dichloropropane	10.0	10.34		ug/L	103	80 - 120	73 - 127	
1,3,5-Trimethylbenzene	10.0	11.80		ug/L	118	80 - 121	73 - 128	
1,3-Dichlorobenzene	10.0	10.45		ug/L	104	80 - 120	73 - 127	
1,3-Dichloropropane	10.0	10.06		ug/L	101	80 - 120	73 - 127	
1,4-Dichlorobenzene	10.0	10.41		ug/L	104	80 - 120	73 - 127	
2,2-Dichloropropane	10.0	12.59		ug/L	126	77 - 139	67 - 149	
2-Butanone	10.0	9.061		ug/L	91	50 - 127	37 - 140	
2-Chlorotoluene	10.0	11.36		ug/L	114	80 - 120	73 - 127	
2-Hexanone	10.0	10.35		ug/L	103	66 - 129	56 - 140	
4-Chlorotoluene	10.0	11.05		ug/L	110	80 - 120	73 - 127	
4-Methyl-2-pentanone	10.0	8.949		ug/L	89	72 - 120	64 - 128	
Acetone	10.0	7.719	J	ug/L	77	58 - 131	46 - 143	
Benzene	10.0	10.75		ug/L	107	80 - 120	73 - 127	
Bromobenzene	10.0	10.73		ug/L	107	80 - 120	73 - 127	
Bromochloromethane	10.0	10.04		ug/L	100	80 - 120	73 - 127	
Bromodichloromethane	10.0	10.54		ug/L	105	80 - 126	72 - 134	
Bromoform	10.0	9.601		ug/L	96	70 - 141	58 - 153	
Bromomethane	10.0	11.46		ug/L	115	50 - 150	33 - 167	
cis-1,2-Dichloroethene	10.0	10.91		ug/L	109	80 - 121	73 - 128	
cis-1,3-Dichloropropene	10.0	10.88		ug/L	109	80 - 120	73 - 127	
Carbon disulfide	10.0	12.18		ug/L	122	65 - 136	53 - 148	
Carbon tetrachloride	10.0	12.74		ug/L	127	75 - 142	64 - 153	
Chlorobenzene	10.0	10.60		ug/L	106	80 - 120	73 - 127	
Chloroethane	10.0	11.03		ug/L	110	74 - 123	66 - 131	
Chloroform	10.0	10.71		ug/L	107	80 - 120	73 - 127	
Chloromethane	10.0	10.03		ug/L	100	54 - 140	40 - 154	
Dibromochloromethane	10.0	10.28		ug/L	103	80 - 128	72 - 136	
Dibromomethane	10.0	10.48		ug/L	105	80 - 120	73 - 127	
Dichlorodifluoromethane	10.0	12.14		ug/L	121	63 - 135	51 - 147	
Ethylbenzene	10.0	11.61		ug/L	116	80 - 120	73 - 127	
Isopropylbenzene	10.0	12.32	* me	ug/L	123	80 - 121	73 - 128	ME
Methylene Chloride	10.0	9.736		ug/L	97	71 - 125	62 - 134	
Methyl-t-Butyl Ether (MTBE)	10.0	9.718		ug/L	97	70 - 121	62 - 130	

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Marginal Exceedance (ME) Summary

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

Job ID: 570-43571-1

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

Lab Sample ID: LCS 570-111575/3

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	10.10		ug/L	101	80 - 125	73 - 133	
n-Butylbenzene	10.0	11.95		ug/L	119	80 - 124	73 - 131	
N-Propylbenzene	10.0	12.08		ug/L	121	80 - 121	73 - 128	
o-Xylene	10.0	11.61		ug/L	116	80 - 120	73 - 127	
m,p-Xylene	20.0	23.39		ug/L	117	80 - 120	73 - 127	
p-Isopropyltoluene	10.0	11.74		ug/L	117	80 - 121	73 - 128	
sec-Butylbenzene	10.0	12.20	* me	ug/L	122	80 - 120	73 - 127	ME
Styrene	10.0	11.26		ug/L	113	80 - 120	73 - 127	
trans-1,2-Dichloroethene	10.0	10.89		ug/L	109	74 - 121	66 - 129	
trans-1,3-Dichloropropene	10.0	11.19		ug/L	112	80 - 123	73 - 130	
tert-Butylbenzene	10.0	11.50		ug/L	115	80 - 120	73 - 127	
Tetrachloroethene	10.0	11.47		ug/L	115	80 - 126	72 - 134	
Toluene	10.0	10.82		ug/L	108	80 - 120	73 - 127	
Trichloroethene	10.0	11.15		ug/L	112	80 - 120	73 - 127	
Trichlorofluoromethane	10.0	12.60		ug/L	126	74 - 137	64 - 148	
Vinyl acetate	10.0	9.557		ug/L	96	50 - 150	33 - 167	
Vinyl chloride	10.0	11.32		ug/L	113	72 - 126	63 - 135	

Summary

Number of Analytes Reported	Number of Marginal Exceedances Allowed	Number of Marginal Exceedances Found
66	3	2

ME = Marginal Exceedance

QC Association Summary

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

Job ID: 570-43571-1

GC/MS VOA

Analysis Batch: 111541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-43571-1	TB-111120	Total/NA	Water	8260B	
570-43571-2	LAX-01	Total/NA	Water	8260B	
570-43571-3	UAX-03	Total/NA	Water	8260B	
570-43571-4	HEW-04	Total/NA	Water	8260B	
MB 570-111541/7	Method Blank	Total/NA	Water	8260B	
LCS 570-111541/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-111541/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 111575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-43571-5	UAX-02	Total/NA	Water	8260B	
570-43571-6	LAX-02	Total/NA	Water	8260B	
570-43571-7	HEW-01	Total/NA	Water	8260B	
570-43571-8	UAX-01	Total/NA	Water	8260B	
570-43571-9	LAX-03	Total/NA	Water	8260B	
570-43571-10	RB-111120	Total/NA	Water	8260B	
MB 570-111575/7	Method Blank	Total/NA	Water	8260B	
LCS 570-111575/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-111575/4	Lab Control Sample Dup	Total/NA	Water	8260B	
570-43571-5 MS	UAX-02	Total/NA	Water	8260B	
570-43571-5 MSD	UAX-02	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 110117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-43571-2	LAX-01	Total/NA	Water	3510C	
570-43571-3	UAX-03	Total/NA	Water	3510C	
570-43571-4	HEW-04	Total/NA	Water	3510C	
570-43571-5	UAX-02	Total/NA	Water	3510C	
570-43571-6	LAX-02	Total/NA	Water	3510C	
570-43571-7	HEW-01	Total/NA	Water	3510C	
570-43571-8	UAX-01	Total/NA	Water	3510C	
570-43571-9	LAX-03	Total/NA	Water	3510C	
570-43571-10	RB-111120	Total/NA	Water	3510C	
MB 570-110117/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-110117/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-110117/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
570-43563-J-8-A MS	Matrix Spike	Total/NA	Water	3510C	
570-43563-J-8-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 110162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-110117/1-A	Method Blank	Total/NA	Water	8270C SIM ID	110117
LCS 570-110117/2-A	Lab Control Sample	Total/NA	Water	8270C SIM ID	110117
LCSD 570-110117/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM ID	110117
570-43563-J-8-A MS	Matrix Spike	Total/NA	Water	8270C SIM ID	110117
570-43563-J-8-B MSD	Matrix Spike Duplicate	Total/NA	Water	8270C SIM ID	110117

QC Association Summary

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

Job ID: 570-43571-1

GC/MS Semi VOA

Analysis Batch: 110504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-43571-2	LAX-01	Total/NA	Water	8270C SIM ID	110117
570-43571-3	UAX-03	Total/NA	Water	8270C SIM ID	110117
570-43571-4	HEW-04	Total/NA	Water	8270C SIM ID	110117
570-43571-5	UAX-02	Total/NA	Water	8270C SIM ID	110117
570-43571-6	LAX-02	Total/NA	Water	8270C SIM ID	110117
570-43571-7	HEW-01	Total/NA	Water	8270C SIM ID	110117
570-43571-8	UAX-01	Total/NA	Water	8270C SIM ID	110117
570-43571-9	LAX-03	Total/NA	Water	8270C SIM ID	110117
570-43571-10	RB-111120	Total/NA	Water	8270C SIM ID	110117

Lab Chronicle

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

Job ID: 570-43571-1

Client Sample ID: TB-111120

Lab Sample ID: 570-43571-1

Date Collected: 11/11/20 07:30

Matrix: Water

Date Received: 11/11/20 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	111541	11/21/20 23:26	UX77	ECL 2
Instrument ID: GCMSRR										

Client Sample ID: LAX-01

Lab Sample ID: 570-43571-2

Date Collected: 11/11/20 10:25

Matrix: Water

Date Received: 11/11/20 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	111541	11/22/20 03:43	UX77	ECL 2
Instrument ID: GCMSRR										
Total/NA	Prep	3510C			100.0 mL	10 mL	110117	11/17/20 07:46	PQS1	ECL 1
Total/NA	Analysis	8270C SIM ID		1			110504	11/18/20 10:20	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: UAX-03

Lab Sample ID: 570-43571-3

Date Collected: 11/11/20 12:12

Matrix: Water

Date Received: 11/11/20 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	111541	11/22/20 04:09	UX77	ECL 2
Instrument ID: GCMSRR										
Total/NA	Prep	3510C			100.0 mL	10 mL	110117	11/17/20 07:46	PQS1	ECL 1
Total/NA	Analysis	8270C SIM ID		1			110504	11/18/20 10:34	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: HEW-04

Lab Sample ID: 570-43571-4

Date Collected: 11/11/20 12:45

Matrix: Water

Date Received: 11/11/20 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	111541	11/22/20 05:25	UX77	ECL 2
Instrument ID: GCMSRR										
Total/NA	Prep	3510C			100.0 mL	10 mL	110117	11/17/20 07:46	PQS1	ECL 1
Total/NA	Analysis	8270C SIM ID		1			110504	11/18/20 10:49	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: UAX-02

Lab Sample ID: 570-43571-5

Date Collected: 11/11/20 13:40

Matrix: Water

Date Received: 11/11/20 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	111575	11/22/20 14:09	UJHB	ECL 2
Instrument ID: GCMSRR										
Total/NA	Prep	3510C			100.0 mL	10 mL	110117	11/17/20 07:46	PQS1	ECL 1
Total/NA	Analysis	8270C SIM ID		1			110504	11/18/20 11:03	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Eurofins Calscience LLC

Lab Chronicle

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

Job ID: 570-43571-1

Client Sample ID: LAX-02

Date Collected: 11/11/20 14:20

Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-6

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	111575	11/22/20 19:21	UJHB	ECL 2
		Instrument ID: GCMSRR								
Total/NA	Prep	3510C			100.0 mL	10 mL	110117	11/17/20 07:46	PQS1	ECL 1
Total/NA	Analysis	8270C SIM ID		1			110504	11/18/20 11:18	AJ2Q	ECL 1
		Instrument ID: GCMSDDD								

Client Sample ID: HEW-01

Date Collected: 11/11/20 14:46

Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-7

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		20	20 mL	20 mL	111575	11/22/20 19:47	UJHB	ECL 2
		Instrument ID: GCMSRR								
Total/NA	Prep	3510C			100.0 mL	10 mL	110117	11/17/20 07:46	PQS1	ECL 1
Total/NA	Analysis	8270C SIM ID		1			110504	11/18/20 11:33	AJ2Q	ECL 1
		Instrument ID: GCMSDDD								

Client Sample ID: UAX-01

Date Collected: 11/11/20 15:20

Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-8

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	111575	11/22/20 20:53	UJHB	ECL 2
		Instrument ID: GCMSRR								
Total/NA	Prep	3510C			100.0 mL	10 mL	110117	11/17/20 07:46	PQS1	ECL 1
Total/NA	Analysis	8270C SIM ID		1			110504	11/18/20 11:47	AJ2Q	ECL 1
		Instrument ID: GCMSDDD								

Client Sample ID: LAX-03

Date Collected: 11/11/20 13:18

Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-9

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	111575	11/22/20 21:18	UJHB	ECL 2
		Instrument ID: GCMSRR								
Total/NA	Prep	3510C			100.0 mL	10 mL	110117	11/17/20 07:46	PQS1	ECL 1
Total/NA	Analysis	8270C SIM ID		1			110504	11/18/20 13:55	AJ2Q	ECL 1
		Instrument ID: GCMSDDD								

Client Sample ID: RB-111120

Date Collected: 11/11/20 13:25

Date Received: 11/11/20 17:00

Lab Sample ID: 570-43571-10

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	111575	11/22/20 18:55	UJHB	ECL 2
		Instrument ID: GCMSRR								

Eurofins Calscience LLC

Lab Chronicle

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

Job ID: 570-43571-1

Client Sample ID: RB-111120

Lab Sample ID: 570-43571-10

Date Collected: 11/11/20 13:25

Matrix: Water

Date Received: 11/11/20 17:00

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	110117	11/17/20 07:46	PQS1	ECL 1
Total/NA	Analysis	8270C SIM ID		1			110504	11/18/20 14:10	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 Bldg 684 / 764.10

Job ID: 570-43571-1

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	11-30-20
California	State	2944	09-30-21
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

Method Summary

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

Job ID: 570-43571-1

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

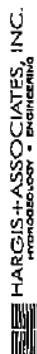
ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

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

Job ID: 570-43571-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-43571-1	TB-111120	Water	11/11/20 07:30	11/11/20 17:00	
570-43571-2	LAX-01	Water	11/11/20 10:25	11/11/20 17:00	
570-43571-3	UAX-03	Water	11/11/20 12:12	11/11/20 17:00	
570-43571-4	HEW-04	Water	11/11/20 12:45	11/11/20 17:00	
570-43571-5	UAX-02	Water	11/11/20 13:40	11/11/20 17:00	
570-43571-6	LAX-02	Water	11/11/20 14:20	11/11/20 17:00	
570-43571-7	HEW-01	Water	11/11/20 14:46	11/11/20 17:00	
570-43571-8	UAX-01	Water	11/11/20 15:20	11/11/20 17:00	
570-43571-9	LAX-03	Water	11/11/20 13:18	11/11/20 17:00	
570-43571-10	RB-111120	Water	11/11/20 13:25	11/11/20 17:00	



ERGIS+ASSOCIATES, INC.
HYDROLOGY • ENGINEERING

PROJECT: Building 684 - Raytheon
TASK NO.: 764.10

Project Manager Steve Netto

QA Manager Andrew Donnelly

Phone 858-455-6500

Project BCI Fullerton 764.10	Sampled By: D. Sealee, A. Janton		SAMPLE COLLECTION	
LAB ID	SAMPLE ID	Date	Time	
1	TB-11120	11-31-20	0730	
2	LAX-01 ↓		1025	
3	VAX-03 ↓		1212	
4	HEV-04 ↓	11-11-20	1245	
5	VAT-02 ↓		1340	
6	LAT-02 ↓		1420	
7	HEV-01 ↓	11-11-20	1446	
8	VAX-01 ↓	11-11-20	1520	
9	LAX-03 ↓		1318	
	RB-111120		1325	

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 Rinse Blanks (RB-), all other samples Field Point ID = Sample ID

Relinquished By: / Company:

✓	111.1	111.1	111.1
✓	111.1	111.1	111.1

$$H+H+H+H$$
Relinquished By: 1 Company: _____
Date / Time: _____

17

11/2/11

6

and COC received from DJ Sealee

) on 11/12/2020 at 14:14pm..

tra (ECI)

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1000000

570-43571 Chain of Custody

Date: 12-11-20

Page 1 of 2

Laboratory
Eurofins Calscience, Inc
Attn: Virendra Patel

REMARKS

Total No. of Containers:

Send Results to:

Steve Netto

3171 Towne Centre Dr.

Suite 375

San Diego, CA 92122

Ph: 858-455-6500

snetto@hargis.com

Temperature on receipt

21/2356

Revised COC received from DJ Sealee (Hargis) on 11/12/2020 at 14:14pm..
- Virendra (ECI)

43571



PROJECT: Building 684 - Raytheon
TASK NO.: 764.10

Project Manager Steve Netto

QA Manager Andrew Donnelly

Phone 858-455-6500



570-43571 Chain of Custody

Date: 11-18-20
Page 1 of 2

Project				Sampled By:				SAMPLE COLLECTION				MATRIX		PRESERVATION		CONTAINERS		ANALYSIS REQUESTED		ESTIMATED CONCENTRATION					SPECIAL HANDLING		Laboratory	
BCI Fullerton 764.10				D. Sealee, A. Janton								Groundwater															Eurofins Calscience, Inc Attn: Virendra Patel	
LAB ID	SAMPLE ID	Date	Time	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	REMARKS					
1	TB-111120	11-11-20	0730	X	X	X				X	3			X		X					X							
2	LAX-01		1025	X	X	X				X	3			X		X												
3	VAx-03		1212	X	X	X				X	3			X		X												
4	HEW-04	11-11-20	1245	X	X	X				X	3			X		X												
5	UAT-02		1340	X	X	X				X	3			X		X						X						
6	LAX-02		1420	X	X	X				X	3			X		X												
7	HEW-01	11-11-20	1446	X	X	X				X	3			X		X			X									
8	UAX-01	11-11-20	1520	X	X	X				X	3			X		X												
9	LAX-03		1318	X	X	X				X	3			X		X												
	RB-111120		1325	X	X	X				X	3			X		X												

Total number of containers per analysis: _____ Total No. of Containers: _____

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>Andrew Donnelly / H+A</u>	11/11/20 1647	<u>Steve Netto</u>	11/18/20 1647
Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
<u>Andrew Donnelly</u>	11/20/20	<u>Steve Netto</u>	11/11/20 1700

- ☐ 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

4.1/3.3 sec

PROJECT: Building 684 - Raytheon
TASK NO.: 764.10

Date: 11/11/2020
Page 2 of 2

Project Manager Steve Netto

QA Manager Andrew Donnelly

Phone 858-455-6500

[illegible]

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>[Signature]</i> H+A	11/1/20 1647	<i>[Signature]</i> - &	11/1/20 1647
Relinquished By: / Company:	Date / Time	Received By: / Company	Date / Time
<i>[Signature]</i>	11/1/20 1720	<i>[Signature]</i> M. B. A. T.	11/1/20 1700

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

Temperature on receipt

Send Results to:

Steve Netto

9171 Towne Centre Dr.

Suite 375

San Diego, CA 92122

Ph: 858-455-6500

snetto@hargis.com

Login Sample Receipt Checklist

Client: Hargis + Associates, Inc.

Job Number: 570-43571-1

Login Number: 43571

List Number: 1

Creator: Patel, Jayesh

List Source: Eurofins Calscience

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.	False	Refer to Job Narrative for details.
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: 570-43661-1

Client Project/Site: Raytheon Bldg 684 / 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:
11/30/2020 2:05:56 PM

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

LINKS

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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 Bldg 684 / 764.10

Job ID: 570-43661-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

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: Raytheon Bldg 684 / 764.10

Job ID: 570-43661-1

Job ID: 570-43661-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative 570-43661-1

Comments

No additional comments.

Receipt

The samples were received on 11/12/2020 11:10 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.1° C.

GC/MS VOA

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 570-111942 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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for the following sample associated with analytical batch 570-111942 were outside control limits: (570-43697-A-3 MS). The associated laboratory control sample (LCS) recovery met acceptance criteria.

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 Bldg 684 / 764.10

Job ID: 570-43661-1

Client Sample ID: TB-111220

Lab Sample ID: 570-43661-1

No Detections.

Client Sample ID: HEW-03

Lab Sample ID: 570-43661-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.3		2.0		ug/L	4		8260B	Total/NA
Trichloroethene	92		2.0		ug/L	4		8260B	Total/NA

Client Sample ID: HEW-0300

Lab Sample ID: 570-43661-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	89		2.0		ug/L	4		8260B	Total/NA

Client Sample ID: HEW-02

Lab Sample ID: 570-43661-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	100		2.0		ug/L	4		8260B	Total/NA

Client Sample ID: HEW-05

Lab Sample ID: 570-43661-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.6		2.0		ug/L	4		8260B	Total/NA
Trichloroethene	120		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 Bldg 684 / 764.10

Job ID: 570-43661-1

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

Client Sample ID: TB-111220
Date Collected: 11/12/20 07:45
Date Received: 11/12/20 11:10

Lab Sample ID: 570-43661-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			11/24/20 13:49	1
1,1,1-Trichloroethane	ND		0.50		ug/L			11/24/20 13:49	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			11/24/20 13:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			11/24/20 13:49	1
1,1,2-Trichloroethane	ND		0.50		ug/L			11/24/20 13:49	1
1,1-Dichloroethane	ND		0.50		ug/L			11/24/20 13:49	1
1,1-Dichloroethene	ND		0.50		ug/L			11/24/20 13:49	1
1,1-Dichloropropene	ND		0.50		ug/L			11/24/20 13:49	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			11/24/20 13:49	1
1,2,3-Trichloropropane	ND		0.50		ug/L			11/24/20 13:49	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			11/24/20 13:49	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			11/24/20 13:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			11/24/20 13:49	1
1,2-Dibromoethane	ND		0.50		ug/L			11/24/20 13:49	1
1,2-Dichlorobenzene	ND		0.50		ug/L			11/24/20 13:49	1
1,2-Dichloroethane	ND		0.50		ug/L			11/24/20 13:49	1
1,2-Dichloropropane	ND		0.50		ug/L			11/24/20 13:49	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			11/24/20 13:49	1
1,3-Dichlorobenzene	ND		0.50		ug/L			11/24/20 13:49	1
1,3-Dichloropropane	ND		0.50		ug/L			11/24/20 13:49	1
1,4-Dichlorobenzene	ND		0.50		ug/L			11/24/20 13:49	1
2,2-Dichloropropane	ND		0.50		ug/L			11/24/20 13:49	1
2-Butanone	ND		5.0		ug/L			11/24/20 13:49	1
2-Chlorotoluene	ND		0.50		ug/L			11/24/20 13:49	1
2-Hexanone	ND		6.0		ug/L			11/24/20 13:49	1
4-Chlorotoluene	ND		0.50		ug/L			11/24/20 13:49	1
4-Methyl-2-pentanone	ND		5.0		ug/L			11/24/20 13:49	1
Acetone	ND		8.0		ug/L			11/24/20 13:49	1
Benzene	ND		0.50		ug/L			11/24/20 13:49	1
Bromobenzene	ND		0.50		ug/L			11/24/20 13:49	1
Bromochloromethane	ND		1.0		ug/L			11/24/20 13:49	1
Bromodichloromethane	ND		0.50		ug/L			11/24/20 13:49	1
Bromoform	ND		0.50		ug/L			11/24/20 13:49	1
Bromomethane	ND		1.0		ug/L			11/24/20 13:49	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			11/24/20 13:49	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			11/24/20 13:49	1
Carbon disulfide	ND		1.0		ug/L			11/24/20 13:49	1
Carbon tetrachloride	ND		0.50		ug/L			11/24/20 13:49	1
Chlorobenzene	ND		0.50		ug/L			11/24/20 13:49	1
Chloroethane	ND		0.50		ug/L			11/24/20 13:49	1
Chloroform	ND		0.50		ug/L			11/24/20 13:49	1
Chloromethane	ND		1.0		ug/L			11/24/20 13:49	1
Dibromochloromethane	ND		0.50		ug/L			11/24/20 13:49	1
Dibromomethane	ND		0.50		ug/L			11/24/20 13:49	1
Dichlorodifluoromethane	ND		1.0		ug/L			11/24/20 13:49	1
Ethylbenzene	ND		0.50		ug/L			11/24/20 13:49	1
Isopropylbenzene	ND		0.50		ug/L			11/24/20 13:49	1
Methylene Chloride	ND		1.0		ug/L			11/24/20 13:49	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50		ug/L			11/24/20 13:49	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-43661-1

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

Client Sample ID: TB-111220
Date Collected: 11/12/20 07:45
Date Received: 11/12/20 11:10

Lab Sample ID: 570-43661-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0		ug/L			11/24/20 13:49	1
n-Butylbenzene	ND		0.50		ug/L			11/24/20 13:49	1
N-Propylbenzene	ND		0.50		ug/L			11/24/20 13:49	1
o-Xylene	ND		0.50		ug/L			11/24/20 13:49	1
m,p-Xylene	ND		1.0		ug/L			11/24/20 13:49	1
p-Isopropyltoluene	ND		0.50		ug/L			11/24/20 13:49	1
sec-Butylbenzene	ND		0.50		ug/L			11/24/20 13:49	1
Styrene	ND		0.50		ug/L			11/24/20 13:49	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			11/24/20 13:49	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			11/24/20 13:49	1
tert-Butylbenzene	ND		0.50		ug/L			11/24/20 13:49	1
Tetrachloroethene	ND		0.50		ug/L			11/24/20 13:49	1
Toluene	ND		0.50		ug/L			11/24/20 13:49	1
Trichloroethene	ND		0.50		ug/L			11/24/20 13:49	1
Trichlorofluoromethane	ND		0.50		ug/L			11/24/20 13:49	1
Vinyl acetate	ND		5.0		ug/L			11/24/20 13:49	1
Vinyl chloride	ND		0.50		ug/L			11/24/20 13:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 128		11/24/20 13:49	1
4-Bromofluorobenzene (Surr)	94		68 - 120		11/24/20 13:49	1
Dibromofluoromethane	101		80 - 127		11/24/20 13:49	1
Toluene-d8 (Surr)	99		80 - 120		11/24/20 13:49	1

Client Sample ID: HEW-03
Date Collected: 11/12/20 08:02
Date Received: 11/12/20 11:10

Lab Sample ID: 570-43661-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			11/24/20 16:17	4
1,1,1-Trichloroethane	ND		2.0		ug/L			11/24/20 16:17	4
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			11/24/20 16:17	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ug/L			11/24/20 16:17	4
1,1,2-Trichloroethane	ND		2.0		ug/L			11/24/20 16:17	4
1,1-Dichloroethane	ND		2.0		ug/L			11/24/20 16:17	4
1,1-Dichloroethene	ND		2.0		ug/L			11/24/20 16:17	4
1,1-Dichloropropene	ND		2.0		ug/L			11/24/20 16:17	4
1,2,3-Trichlorobenzene	ND		2.0		ug/L			11/24/20 16:17	4
1,2,3-Trichloropropane	ND		2.0		ug/L			11/24/20 16:17	4
1,2,4-Trichlorobenzene	ND		2.0		ug/L			11/24/20 16:17	4
1,2,4-Trimethylbenzene	ND		2.0		ug/L			11/24/20 16:17	4
1,2-Dibromo-3-Chloropropane	ND		4.0		ug/L			11/24/20 16:17	4
1,2-Dibromoethane	ND		2.0		ug/L			11/24/20 16:17	4
1,2-Dichlorobenzene	ND		2.0		ug/L			11/24/20 16:17	4
1,2-Dichloroethane	ND		2.0		ug/L			11/24/20 16:17	4
1,2-Dichloropropane	ND		2.0		ug/L			11/24/20 16:17	4
1,3,5-Trimethylbenzene	ND		2.0		ug/L			11/24/20 16:17	4
1,3-Dichlorobenzene	ND		2.0		ug/L			11/24/20 16:17	4
1,3-Dichloropropane	ND		2.0		ug/L			11/24/20 16:17	4
1,4-Dichlorobenzene	ND		2.0		ug/L			11/24/20 16:17	4
2,2-Dichloropropane	ND		2.0		ug/L			11/24/20 16:17	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-43661-1

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

Client Sample ID: HEW-03
Date Collected: 11/12/20 08:02
Date Received: 11/12/20 11:10

Lab Sample ID: 570-43661-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		20		ug/L			11/24/20 16:17	4
2-Chlorotoluene	ND		2.0		ug/L			11/24/20 16:17	4
2-Hexanone	ND		24		ug/L			11/24/20 16:17	4
4-Chlorotoluene	ND		2.0		ug/L			11/24/20 16:17	4
4-Methyl-2-pentanone	ND		20		ug/L			11/24/20 16:17	4
Acetone	ND		32		ug/L			11/24/20 16:17	4
Benzene	ND		2.0		ug/L			11/24/20 16:17	4
Bromobenzene	ND		2.0		ug/L			11/24/20 16:17	4
Bromochloromethane	ND		4.0		ug/L			11/24/20 16:17	4
Bromodichloromethane	ND		2.0		ug/L			11/24/20 16:17	4
Bromoform	ND		2.0		ug/L			11/24/20 16:17	4
Bromomethane	ND		4.0		ug/L			11/24/20 16:17	4
cis-1,2-Dichloroethene	ND		2.0		ug/L			11/24/20 16:17	4
cis-1,3-Dichloropropene	ND		2.0		ug/L			11/24/20 16:17	4
Carbon disulfide	ND		4.0		ug/L			11/24/20 16:17	4
Carbon tetrachloride	ND		2.0		ug/L			11/24/20 16:17	4
Chlorobenzene	ND		2.0		ug/L			11/24/20 16:17	4
Chloroethane	ND		2.0		ug/L			11/24/20 16:17	4
Chloroform	ND		2.0		ug/L			11/24/20 16:17	4
Chloromethane	ND		4.0		ug/L			11/24/20 16:17	4
Dibromochloromethane	ND		2.0		ug/L			11/24/20 16:17	4
Dibromomethane	ND		2.0		ug/L			11/24/20 16:17	4
Dichlorodifluoromethane	ND		4.0		ug/L			11/24/20 16:17	4
Ethylbenzene	ND		2.0		ug/L			11/24/20 16:17	4
Isopropylbenzene	ND		2.0		ug/L			11/24/20 16:17	4
Methylene Chloride	ND		4.0		ug/L			11/24/20 16:17	4
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/L			11/24/20 16:17	4
Naphthalene	ND		4.0		ug/L			11/24/20 16:17	4
n-Butylbenzene	ND		2.0		ug/L			11/24/20 16:17	4
N-Propylbenzene	ND		2.0		ug/L			11/24/20 16:17	4
o-Xylene	ND		2.0		ug/L			11/24/20 16:17	4
m,p-Xylene	ND		4.0		ug/L			11/24/20 16:17	4
p-Isopropyltoluene	ND		2.0		ug/L			11/24/20 16:17	4
sec-Butylbenzene	ND		2.0		ug/L			11/24/20 16:17	4
Styrene	ND		2.0		ug/L			11/24/20 16:17	4
trans-1,2-Dichloroethene	ND		2.0		ug/L			11/24/20 16:17	4
trans-1,3-Dichloropropene	ND		2.0		ug/L			11/24/20 16:17	4
tert-Butylbenzene	ND		2.0		ug/L			11/24/20 16:17	4
Tetrachloroethene	2.3		2.0		ug/L			11/24/20 16:17	4
Toluene	ND		2.0		ug/L			11/24/20 16:17	4
Trichloroethene	92		2.0		ug/L			11/24/20 16:17	4
Trichlorofluoromethane	ND		2.0		ug/L			11/24/20 16:17	4
Vinyl acetate	ND		20		ug/L			11/24/20 16:17	4
Vinyl chloride	ND		2.0		ug/L			11/24/20 16:17	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		80 - 128		11/24/20 16:17	4
4-Bromofluorobenzene (Surr)	91		68 - 120		11/24/20 16:17	4
Dibromofluoromethane	99		80 - 127		11/24/20 16:17	4
Toluene-d8 (Surr)	100		80 - 120		11/24/20 16:17	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-43661-1

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

Client Sample ID: HEW-0300
Date Collected: 11/12/20 08:45
Date Received: 11/12/20 11:10

Lab Sample ID: 570-43661-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			11/24/20 16:47	4
1,1,1-Trichloroethane	ND		2.0		ug/L			11/24/20 16:47	4
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			11/24/20 16:47	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ug/L			11/24/20 16:47	4
1,1,2-Trichloroethane	ND		2.0		ug/L			11/24/20 16:47	4
1,1-Dichloroethane	ND		2.0		ug/L			11/24/20 16:47	4
1,1-Dichloroethene	ND		2.0		ug/L			11/24/20 16:47	4
1,1-Dichloropropene	ND		2.0		ug/L			11/24/20 16:47	4
1,2,3-Trichlorobenzene	ND		2.0		ug/L			11/24/20 16:47	4
1,2,3-Trichloropropane	ND		2.0		ug/L			11/24/20 16:47	4
1,2,4-Trichlorobenzene	ND		2.0		ug/L			11/24/20 16:47	4
1,2,4-Trimethylbenzene	ND		2.0		ug/L			11/24/20 16:47	4
1,2-Dibromo-3-Chloropropane	ND		4.0		ug/L			11/24/20 16:47	4
1,2-Dibromoethane	ND		2.0		ug/L			11/24/20 16:47	4
1,2-Dichlorobenzene	ND		2.0		ug/L			11/24/20 16:47	4
1,2-Dichloroethane	ND		2.0		ug/L			11/24/20 16:47	4
1,2-Dichloropropane	ND		2.0		ug/L			11/24/20 16:47	4
1,3,5-Trimethylbenzene	ND		2.0		ug/L			11/24/20 16:47	4
1,3-Dichlorobenzene	ND		2.0		ug/L			11/24/20 16:47	4
1,3-Dichloropropane	ND		2.0		ug/L			11/24/20 16:47	4
1,4-Dichlorobenzene	ND		2.0		ug/L			11/24/20 16:47	4
2,2-Dichloropropane	ND		2.0		ug/L			11/24/20 16:47	4
2-Butanone	ND		20		ug/L			11/24/20 16:47	4
2-Chlorotoluene	ND		2.0		ug/L			11/24/20 16:47	4
2-Hexanone	ND		24		ug/L			11/24/20 16:47	4
4-Chlorotoluene	ND		2.0		ug/L			11/24/20 16:47	4
4-Methyl-2-pentanone	ND		20		ug/L			11/24/20 16:47	4
Acetone	ND		32		ug/L			11/24/20 16:47	4
Benzene	ND		2.0		ug/L			11/24/20 16:47	4
Bromobenzene	ND		2.0		ug/L			11/24/20 16:47	4
Bromochloromethane	ND		4.0		ug/L			11/24/20 16:47	4
Bromodichloromethane	ND		2.0		ug/L			11/24/20 16:47	4
Bromoform	ND		2.0		ug/L			11/24/20 16:47	4
Bromomethane	ND		4.0		ug/L			11/24/20 16:47	4
cis-1,2-Dichloroethene	ND		2.0		ug/L			11/24/20 16:47	4
cis-1,3-Dichloropropene	ND		2.0		ug/L			11/24/20 16:47	4
Carbon disulfide	ND		4.0		ug/L			11/24/20 16:47	4
Carbon tetrachloride	ND		2.0		ug/L			11/24/20 16:47	4
Chlorobenzene	ND		2.0		ug/L			11/24/20 16:47	4
Chloroethane	ND		2.0		ug/L			11/24/20 16:47	4
Chloroform	ND		2.0		ug/L			11/24/20 16:47	4
Chloromethane	ND		4.0		ug/L			11/24/20 16:47	4
Dibromochloromethane	ND		2.0		ug/L			11/24/20 16:47	4
Dibromomethane	ND		2.0		ug/L			11/24/20 16:47	4
Dichlorodifluoromethane	ND		4.0		ug/L			11/24/20 16:47	4
Ethylbenzene	ND		2.0		ug/L			11/24/20 16:47	4
Isopropylbenzene	ND		2.0		ug/L			11/24/20 16:47	4
Methylene Chloride	ND		4.0		ug/L			11/24/20 16:47	4
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/L			11/24/20 16:47	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-43661-1

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

Client Sample ID: HEW-0300
Date Collected: 11/12/20 08:45
Date Received: 11/12/20 11:10

Lab Sample ID: 570-43661-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.0		ug/L			11/24/20 16:47	4
n-Butylbenzene	ND		2.0		ug/L			11/24/20 16:47	4
N-Propylbenzene	ND		2.0		ug/L			11/24/20 16:47	4
o-Xylene	ND		2.0		ug/L			11/24/20 16:47	4
m,p-Xylene	ND		4.0		ug/L			11/24/20 16:47	4
p-Isopropyltoluene	ND		2.0		ug/L			11/24/20 16:47	4
sec-Butylbenzene	ND		2.0		ug/L			11/24/20 16:47	4
Styrene	ND		2.0		ug/L			11/24/20 16:47	4
trans-1,2-Dichloroethene	ND		2.0		ug/L			11/24/20 16:47	4
trans-1,3-Dichloropropene	ND		2.0		ug/L			11/24/20 16:47	4
tert-Butylbenzene	ND		2.0		ug/L			11/24/20 16:47	4
Tetrachloroethene	ND		2.0		ug/L			11/24/20 16:47	4
Toluene	ND		2.0		ug/L			11/24/20 16:47	4
Trichloroethene	89		2.0		ug/L			11/24/20 16:47	4
Trichlorofluoromethane	ND		2.0		ug/L			11/24/20 16:47	4
Vinyl acetate	ND		20		ug/L			11/24/20 16:47	4
Vinyl chloride	ND		2.0		ug/L			11/24/20 16:47	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		80 - 128		11/24/20 16:47	4
4-Bromofluorobenzene (Surr)	92		68 - 120		11/24/20 16:47	4
Dibromofluoromethane	102		80 - 127		11/24/20 16:47	4
Toluene-d8 (Surr)	99		80 - 120		11/24/20 16:47	4

Client Sample ID: HEW-02
Date Collected: 11/12/20 08:20
Date Received: 11/12/20 11:10

Lab Sample ID: 570-43661-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			11/24/20 17:17	4
1,1,1-Trichloroethane	ND		2.0		ug/L			11/24/20 17:17	4
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			11/24/20 17:17	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ug/L			11/24/20 17:17	4
1,1,2-Trichloroethane	ND		2.0		ug/L			11/24/20 17:17	4
1,1-Dichloroethane	ND		2.0		ug/L			11/24/20 17:17	4
1,1-Dichloroethene	ND		2.0		ug/L			11/24/20 17:17	4
1,1-Dichloropropene	ND		2.0		ug/L			11/24/20 17:17	4
1,2,3-Trichlorobenzene	ND		2.0		ug/L			11/24/20 17:17	4
1,2,3-Trichloropropane	ND		2.0		ug/L			11/24/20 17:17	4
1,2,4-Trichlorobenzene	ND		2.0		ug/L			11/24/20 17:17	4
1,2,4-Trimethylbenzene	ND		2.0		ug/L			11/24/20 17:17	4
1,2-Dibromo-3-Chloropropane	ND		4.0		ug/L			11/24/20 17:17	4
1,2-Dibromoethane	ND		2.0		ug/L			11/24/20 17:17	4
1,2-Dichlorobenzene	ND		2.0		ug/L			11/24/20 17:17	4
1,2-Dichloroethane	ND		2.0		ug/L			11/24/20 17:17	4
1,2-Dichloropropane	ND		2.0		ug/L			11/24/20 17:17	4
1,3,5-Trimethylbenzene	ND		2.0		ug/L			11/24/20 17:17	4
1,3-Dichlorobenzene	ND		2.0		ug/L			11/24/20 17:17	4
1,3-Dichloropropane	ND		2.0		ug/L			11/24/20 17:17	4
1,4-Dichlorobenzene	ND		2.0		ug/L			11/24/20 17:17	4
2,2-Dichloropropane	ND		2.0		ug/L			11/24/20 17:17	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-43661-1

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

Client Sample ID: HEW-02
Date Collected: 11/12/20 08:20
Date Received: 11/12/20 11:10

Lab Sample ID: 570-43661-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		20		ug/L			11/24/20 17:17	4
2-Chlorotoluene	ND		2.0		ug/L			11/24/20 17:17	4
2-Hexanone	ND		24		ug/L			11/24/20 17:17	4
4-Chlorotoluene	ND		2.0		ug/L			11/24/20 17:17	4
4-Methyl-2-pentanone	ND		20		ug/L			11/24/20 17:17	4
Acetone	ND		32		ug/L			11/24/20 17:17	4
Benzene	ND		2.0		ug/L			11/24/20 17:17	4
Bromobenzene	ND		2.0		ug/L			11/24/20 17:17	4
Bromochloromethane	ND		4.0		ug/L			11/24/20 17:17	4
Bromodichloromethane	ND		2.0		ug/L			11/24/20 17:17	4
Bromoform	ND		2.0		ug/L			11/24/20 17:17	4
Bromomethane	ND		4.0		ug/L			11/24/20 17:17	4
cis-1,2-Dichloroethene	ND		2.0		ug/L			11/24/20 17:17	4
cis-1,3-Dichloropropene	ND		2.0		ug/L			11/24/20 17:17	4
Carbon disulfide	ND		4.0		ug/L			11/24/20 17:17	4
Carbon tetrachloride	ND		2.0		ug/L			11/24/20 17:17	4
Chlorobenzene	ND		2.0		ug/L			11/24/20 17:17	4
Chloroethane	ND		2.0		ug/L			11/24/20 17:17	4
Chloroform	ND		2.0		ug/L			11/24/20 17:17	4
Chloromethane	ND		4.0		ug/L			11/24/20 17:17	4
Dibromochloromethane	ND		2.0		ug/L			11/24/20 17:17	4
Dibromomethane	ND		2.0		ug/L			11/24/20 17:17	4
Dichlorodifluoromethane	ND		4.0		ug/L			11/24/20 17:17	4
Ethylbenzene	ND		2.0		ug/L			11/24/20 17:17	4
Isopropylbenzene	ND		2.0		ug/L			11/24/20 17:17	4
Methylene Chloride	ND		4.0		ug/L			11/24/20 17:17	4
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/L			11/24/20 17:17	4
Naphthalene	ND		4.0		ug/L			11/24/20 17:17	4
n-Butylbenzene	ND		2.0		ug/L			11/24/20 17:17	4
N-Propylbenzene	ND		2.0		ug/L			11/24/20 17:17	4
o-Xylene	ND		2.0		ug/L			11/24/20 17:17	4
m,p-Xylene	ND		4.0		ug/L			11/24/20 17:17	4
p-Isopropyltoluene	ND		2.0		ug/L			11/24/20 17:17	4
sec-Butylbenzene	ND		2.0		ug/L			11/24/20 17:17	4
Styrene	ND		2.0		ug/L			11/24/20 17:17	4
trans-1,2-Dichloroethene	ND		2.0		ug/L			11/24/20 17:17	4
trans-1,3-Dichloropropene	ND		2.0		ug/L			11/24/20 17:17	4
tert-Butylbenzene	ND		2.0		ug/L			11/24/20 17:17	4
Tetrachloroethene	ND		2.0		ug/L			11/24/20 17:17	4
Toluene	ND		2.0		ug/L			11/24/20 17:17	4
Trichloroethene	100		2.0		ug/L			11/24/20 17:17	4
Trichlorofluoromethane	ND		2.0		ug/L			11/24/20 17:17	4
Vinyl acetate	ND		20		ug/L			11/24/20 17:17	4
Vinyl chloride	ND		2.0		ug/L			11/24/20 17:17	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		80 - 128		11/24/20 17:17	4
4-Bromofluorobenzene (Surr)	93		68 - 120		11/24/20 17:17	4
Dibromofluoromethane	99		80 - 127		11/24/20 17:17	4
Toluene-d8 (Surr)	101		80 - 120		11/24/20 17:17	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-43661-1

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

Client Sample ID: HEW-05
Date Collected: 11/12/20 08:59
Date Received: 11/12/20 11:10

Lab Sample ID: 570-43661-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0		ug/L			11/24/20 17:46	4
1,1,1-Trichloroethane	ND		2.0		ug/L			11/24/20 17:46	4
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			11/24/20 17:46	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0		ug/L			11/24/20 17:46	4
1,1,2-Trichloroethane	ND		2.0		ug/L			11/24/20 17:46	4
1,1-Dichloroethane	ND		2.0		ug/L			11/24/20 17:46	4
1,1-Dichloroethene	ND		2.0		ug/L			11/24/20 17:46	4
1,1-Dichloropropene	ND		2.0		ug/L			11/24/20 17:46	4
1,2,3-Trichlorobenzene	ND		2.0		ug/L			11/24/20 17:46	4
1,2,3-Trichloropropane	ND		2.0		ug/L			11/24/20 17:46	4
1,2,4-Trichlorobenzene	ND		2.0		ug/L			11/24/20 17:46	4
1,2,4-Trimethylbenzene	ND		2.0		ug/L			11/24/20 17:46	4
1,2-Dibromo-3-Chloropropane	ND		4.0		ug/L			11/24/20 17:46	4
1,2-Dibromoethane	ND		2.0		ug/L			11/24/20 17:46	4
1,2-Dichlorobenzene	ND		2.0		ug/L			11/24/20 17:46	4
1,2-Dichloroethane	ND		2.0		ug/L			11/24/20 17:46	4
1,2-Dichloropropane	ND		2.0		ug/L			11/24/20 17:46	4
1,3,5-Trimethylbenzene	ND		2.0		ug/L			11/24/20 17:46	4
1,3-Dichlorobenzene	ND		2.0		ug/L			11/24/20 17:46	4
1,3-Dichloropropane	ND		2.0		ug/L			11/24/20 17:46	4
1,4-Dichlorobenzene	ND		2.0		ug/L			11/24/20 17:46	4
2,2-Dichloropropane	ND		2.0		ug/L			11/24/20 17:46	4
2-Butanone	ND		20		ug/L			11/24/20 17:46	4
2-Chlorotoluene	ND		2.0		ug/L			11/24/20 17:46	4
2-Hexanone	ND		24		ug/L			11/24/20 17:46	4
4-Chlorotoluene	ND		2.0		ug/L			11/24/20 17:46	4
4-Methyl-2-pentanone	ND		20		ug/L			11/24/20 17:46	4
Acetone	ND		32		ug/L			11/24/20 17:46	4
Benzene	ND		2.0		ug/L			11/24/20 17:46	4
Bromobenzene	ND		2.0		ug/L			11/24/20 17:46	4
Bromochloromethane	ND		4.0		ug/L			11/24/20 17:46	4
Bromodichloromethane	ND		2.0		ug/L			11/24/20 17:46	4
Bromoform	ND		2.0		ug/L			11/24/20 17:46	4
Bromomethane	ND		4.0		ug/L			11/24/20 17:46	4
cis-1,2-Dichloroethene	3.6		2.0		ug/L			11/24/20 17:46	4
cis-1,3-Dichloropropene	ND		2.0		ug/L			11/24/20 17:46	4
Carbon disulfide	ND		4.0		ug/L			11/24/20 17:46	4
Carbon tetrachloride	ND		2.0		ug/L			11/24/20 17:46	4
Chlorobenzene	ND		2.0		ug/L			11/24/20 17:46	4
Chloroethane	ND		2.0		ug/L			11/24/20 17:46	4
Chloroform	ND		2.0		ug/L			11/24/20 17:46	4
Chloromethane	ND		4.0		ug/L			11/24/20 17:46	4
Dibromochloromethane	ND		2.0		ug/L			11/24/20 17:46	4
Dibromomethane	ND		2.0		ug/L			11/24/20 17:46	4
Dichlorodifluoromethane	ND		4.0		ug/L			11/24/20 17:46	4
Ethylbenzene	ND		2.0		ug/L			11/24/20 17:46	4
Isopropylbenzene	ND		2.0		ug/L			11/24/20 17:46	4
Methylene Chloride	ND		4.0		ug/L			11/24/20 17:46	4
Methyl-t-Butyl Ether (MTBE)	ND		2.0		ug/L			11/24/20 17:46	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-43661-1

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

Client Sample ID: HEW-05
Date Collected: 11/12/20 08:59
Date Received: 11/12/20 11:10

Lab Sample ID: 570-43661-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		4.0		ug/L			11/24/20 17:46	4
n-Butylbenzene	ND		2.0		ug/L			11/24/20 17:46	4
N-Propylbenzene	ND		2.0		ug/L			11/24/20 17:46	4
o-Xylene	ND		2.0		ug/L			11/24/20 17:46	4
m,p-Xylene	ND		4.0		ug/L			11/24/20 17:46	4
p-Isopropyltoluene	ND		2.0		ug/L			11/24/20 17:46	4
sec-Butylbenzene	ND		2.0		ug/L			11/24/20 17:46	4
Styrene	ND		2.0		ug/L			11/24/20 17:46	4
trans-1,2-Dichloroethene	ND		2.0		ug/L			11/24/20 17:46	4
trans-1,3-Dichloropropene	ND		2.0		ug/L			11/24/20 17:46	4
tert-Butylbenzene	ND		2.0		ug/L			11/24/20 17:46	4
Tetrachloroethene	ND		2.0		ug/L			11/24/20 17:46	4
Toluene	ND		2.0		ug/L			11/24/20 17:46	4
Trichloroethene	120		2.0		ug/L			11/24/20 17:46	4
Trichlorofluoromethane	ND		2.0		ug/L			11/24/20 17:46	4
Vinyl acetate	ND		20		ug/L			11/24/20 17:46	4
Vinyl chloride	ND		2.0		ug/L			11/24/20 17:46	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		80 - 128		11/24/20 17:46	4
4-Bromofluorobenzene (Surr)	90		68 - 120		11/24/20 17:46	4
Dibromofluoromethane	101		80 - 127		11/24/20 17:46	4
Toluene-d8 (Surr)	103		80 - 120		11/24/20 17:46	4

Client Sample Results

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

Job ID: 570-43661-1

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

Client Sample ID: HEW-03
Date Collected: 11/12/20 08:02
Date Received: 11/12/20 11:10

Lab Sample ID: 570-43661-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50		ug/L		11/18/20 07:44	11/19/20 10:59	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	36		15 - 150				11/18/20 07:44	11/19/20 10:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	69		46 - 128				11/18/20 07:44	11/19/20 10:59	1

Client Sample ID: HEW-0300
Date Collected: 11/12/20 08:45
Date Received: 11/12/20 11:10

Lab Sample ID: 570-43661-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50		ug/L		11/18/20 07:44	11/19/20 11:13	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	32		15 - 150				11/18/20 07:44	11/19/20 11:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	81		46 - 128				11/18/20 07:44	11/19/20 11:13	1

Client Sample ID: HEW-02
Date Collected: 11/12/20 08:20
Date Received: 11/12/20 11:10

Lab Sample ID: 570-43661-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50		ug/L		11/18/20 07:44	11/19/20 11:28	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	30		15 - 150				11/18/20 07:44	11/19/20 11:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	74		46 - 128				11/18/20 07:44	11/19/20 11:28	1

Client Sample ID: HEW-05
Date Collected: 11/12/20 08:59
Date Received: 11/12/20 11:10

Lab Sample ID: 570-43661-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50		ug/L		11/18/20 07:44	11/19/20 11:42	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	33		15 - 150				11/18/20 07:44	11/19/20 11:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	66		46 - 128				11/18/20 07:44	11/19/20 11:42	1

Surrogate Summary

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

Job ID: 570-43661-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	DBFM	TOL
		(80-128)	(68-120)	(80-127)	(80-120)
570-43661-1	TB-111220	105	94	101	99
570-43661-2	HEW-03	109	91	99	100
570-43661-3	HEW-0300	112	92	102	99
570-43661-4	HEW-02	108	93	99	101
570-43661-5	HEW-05	110	90	101	103
570-43697-A-3 MS	Matrix Spike	101	101	100	101
570-43697-A-3 MSD	Matrix Spike Duplicate	106	101	103	97
LCS 570-111942/3	Lab Control Sample	110	101	99	97
LCSD 570-111942/4	Lab Control Sample Dup	100	101	98	99
MB 570-111942/6	Method Blank	106	98	101	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

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	NBZ
		(46-128)
570-43661-2	HEW-03	69
570-43661-3	HEW-0300	81
570-43661-4	HEW-02	74
570-43661-5	HEW-05	66
570-43697-B-3-A MS	Matrix Spike	70
570-43697-B-3-B MSD	Matrix Spike Duplicate	76
LCS 570-110481/2-A	Lab Control Sample	72
LCSD 570-110481/3-A	Lab Control Sample Dup	79
MB 570-110481/1-A	Method Blank	75

Surrogate Legend

NBZ = Nitrobenzene-d5

Isotope Dilution Summary

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

Job ID: 570-43661-1

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)
570-43661-2	HEW-03	36
570-43661-3	HEW-0300	32
570-43661-4	HEW-02	30
570-43661-5	HEW-05	33
570-43697-B-3-A MS	Matrix Spike	38
570-43697-B-3-B MSD	Matrix Spike Duplicate	36
LCS 570-110481/2-A	Lab Control Sample	30
LCSD 570-110481/3-A	Lab Control Sample Dup	34
MB 570-110481/1-A	Method Blank	30

Surrogate Legend

DXE = 1,4-Dioxane-d8

QC Sample Results

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

Job ID: 570-43661-1

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

Lab Sample ID: MB 570-111942/6

Matrix: Water

Analysis Batch: 111942

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			11/24/20 11:17	1
1,1,1-Trichloroethane	ND		0.50		ug/L			11/24/20 11:17	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			11/24/20 11:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50		ug/L			11/24/20 11:17	1
1,1,2-Trichloroethane	ND		0.50		ug/L			11/24/20 11:17	1
1,1-Dichloroethane	ND		0.50		ug/L			11/24/20 11:17	1
1,1-Dichloroethene	ND		0.50		ug/L			11/24/20 11:17	1
1,1-Dichloropropene	ND		0.50		ug/L			11/24/20 11:17	1
1,2,3-Trichlorobenzene	ND		0.50		ug/L			11/24/20 11:17	1
1,2,3-Trichloropropane	ND		0.50		ug/L			11/24/20 11:17	1
1,2,4-Trichlorobenzene	ND		0.50		ug/L			11/24/20 11:17	1
1,2,4-Trimethylbenzene	ND		0.50		ug/L			11/24/20 11:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			11/24/20 11:17	1
1,2-Dibromoethane	ND		0.50		ug/L			11/24/20 11:17	1
1,2-Dichlorobenzene	ND		0.50		ug/L			11/24/20 11:17	1
1,2-Dichloroethane	ND		0.50		ug/L			11/24/20 11:17	1
1,2-Dichloropropane	ND		0.50		ug/L			11/24/20 11:17	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			11/24/20 11:17	1
1,3-Dichlorobenzene	ND		0.50		ug/L			11/24/20 11:17	1
1,3-Dichloropropane	ND		0.50		ug/L			11/24/20 11:17	1
1,4-Dichlorobenzene	ND		0.50		ug/L			11/24/20 11:17	1
2,2-Dichloropropane	ND		0.50		ug/L			11/24/20 11:17	1
2-Butanone	ND		5.0		ug/L			11/24/20 11:17	1
2-Chlorotoluene	ND		0.50		ug/L			11/24/20 11:17	1
2-Hexanone	ND		6.0		ug/L			11/24/20 11:17	1
4-Chlorotoluene	ND		0.50		ug/L			11/24/20 11:17	1
4-Methyl-2-pentanone	ND		5.0		ug/L			11/24/20 11:17	1
Acetone	ND		8.0		ug/L			11/24/20 11:17	1
Benzene	ND		0.50		ug/L			11/24/20 11:17	1
Bromobenzene	ND		0.50		ug/L			11/24/20 11:17	1
Bromochloromethane	ND		1.0		ug/L			11/24/20 11:17	1
Bromodichloromethane	ND		0.50		ug/L			11/24/20 11:17	1
Bromoform	ND		0.50		ug/L			11/24/20 11:17	1
Bromomethane	ND		1.0		ug/L			11/24/20 11:17	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			11/24/20 11:17	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			11/24/20 11:17	1
Carbon disulfide	ND		1.0		ug/L			11/24/20 11:17	1
Carbon tetrachloride	ND		0.50		ug/L			11/24/20 11:17	1
Chlorobenzene	ND		0.50		ug/L			11/24/20 11:17	1
Chloroethane	ND		0.50		ug/L			11/24/20 11:17	1
Chloroform	ND		0.50		ug/L			11/24/20 11:17	1
Chloromethane	ND		1.0		ug/L			11/24/20 11:17	1
Dibromochloromethane	ND		0.50		ug/L			11/24/20 11:17	1
Dibromomethane	ND		0.50		ug/L			11/24/20 11:17	1
Dichlorodifluoromethane	ND		1.0		ug/L			11/24/20 11:17	1
Ethylbenzene	ND		0.50		ug/L			11/24/20 11:17	1
Isopropylbenzene	ND		0.50		ug/L			11/24/20 11:17	1
Methylene Chloride	ND		1.0		ug/L			11/24/20 11:17	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-43661-1

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

Lab Sample ID: MB 570-111942/6

Matrix: Water

Analysis Batch: 111942

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			11/24/20 11:17	1
Naphthalene	ND		1.0		ug/L			11/24/20 11:17	1
n-Butylbenzene	ND		0.50		ug/L			11/24/20 11:17	1
N-Propylbenzene	ND		0.50		ug/L			11/24/20 11:17	1
o-Xylene	ND		0.50		ug/L			11/24/20 11:17	1
m,p-Xylene	ND		1.0		ug/L			11/24/20 11:17	1
p-Isopropyltoluene	ND		0.50		ug/L			11/24/20 11:17	1
sec-Butylbenzene	ND		0.50		ug/L			11/24/20 11:17	1
Styrene	ND		0.50		ug/L			11/24/20 11:17	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			11/24/20 11:17	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			11/24/20 11:17	1
tert-Butylbenzene	ND		0.50		ug/L			11/24/20 11:17	1
Tetrachloroethene	ND		0.50		ug/L			11/24/20 11:17	1
Toluene	ND		0.50		ug/L			11/24/20 11:17	1
Trichloroethene	ND		0.50		ug/L			11/24/20 11:17	1
Trichlorofluoromethane	ND		0.50		ug/L			11/24/20 11:17	1
Vinyl acetate	ND		5.0		ug/L			11/24/20 11:17	1
Vinyl chloride	ND		0.50		ug/L			11/24/20 11:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 128		11/24/20 11:17	1
4-Bromofluorobenzene (Surr)	98		68 - 120		11/24/20 11:17	1
Dibromofluoromethane	101		80 - 127		11/24/20 11:17	1
Toluene-d8 (Surr)	99		80 - 120		11/24/20 11:17	1

Lab Sample ID: LCS 570-111942/3

Matrix: Water

Analysis Batch: 111942

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	80 - 126
1,1,1-Trichloroethane	10.0	9.767		ug/L		98	80 - 125
1,1,2,2-Tetrachloroethane	10.0	9.690		ug/L		97	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.762		ug/L		98	51 - 140
1,1,2-Trichloroethane	10.0	10.04		ug/L		100	80 - 120
1,1-Dichloroethane	10.0	9.406		ug/L		94	77 - 120
1,1-Dichloroethene	10.0	9.382		ug/L		94	74 - 128
1,1-Dichloropropene	10.0	9.599		ug/L		96	79 - 125
1,2,3-Trichlorobenzene	10.0	10.43		ug/L		104	80 - 121
1,2,3-Trichloropropane	10.0	10.18		ug/L		102	80 - 120
1,2,4-Trichlorobenzene	10.0	10.20		ug/L		102	80 - 120
1,2,4-Trimethylbenzene	10.0	9.827		ug/L		98	80 - 122
1,2-Dibromo-3-Chloropropane	10.0	9.589		ug/L		96	67 - 120
1,2-Dibromoethane	10.0	10.23		ug/L		102	80 - 120
1,2-Dichlorobenzene	10.0	10.05		ug/L		100	80 - 120
1,2-Dichloroethane	10.0	9.897		ug/L		99	80 - 123
1,2-Dichloropropane	10.0	9.763		ug/L		98	80 - 120
1,3,5-Trimethylbenzene	10.0	10.09		ug/L		101	80 - 121

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-43661-1

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

Lab Sample ID: LCS 570-111942/3

Matrix: Water

Analysis Batch: 111942

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	9.791		ug/L		98	80 - 120
1,3-Dichloropropane	10.0	9.800		ug/L		98	80 - 120
1,4-Dichlorobenzene	10.0	9.434		ug/L		94	80 - 120
2,2-Dichloropropane	10.0	10.48		ug/L		105	77 - 139
2-Butanone	10.0	7.766		ug/L		78	50 - 127
2-Chlorotoluene	10.0	9.888		ug/L		99	80 - 120
2-Hexanone	10.0	9.754		ug/L		98	66 - 129
4-Chlorotoluene	10.0	9.720		ug/L		97	80 - 120
4-Methyl-2-pentanone	10.0	9.514		ug/L		95	72 - 120
Acetone	10.0	8.949		ug/L		89	58 - 131
Benzene	10.0	9.733		ug/L		97	80 - 120
Bromobenzene	10.0	10.18		ug/L		102	80 - 120
Bromochloromethane	10.0	9.308		ug/L		93	80 - 120
Bromodichloromethane	10.0	10.08		ug/L		101	80 - 126
Bromoform	10.0	9.862		ug/L		99	70 - 141
Bromomethane	10.0	9.973		ug/L		100	50 - 150
cis-1,2-Dichloroethene	10.0	9.939		ug/L		99	80 - 121
cis-1,3-Dichloropropene	10.0	9.547		ug/L		95	80 - 120
Carbon disulfide	10.0	9.345		ug/L		93	65 - 136
Carbon tetrachloride	10.0	9.865		ug/L		99	75 - 142
Chlorobenzene	10.0	9.650		ug/L		96	80 - 120
Chloroethane	10.0	8.482		ug/L		85	74 - 123
Chloroform	10.0	9.874		ug/L		99	80 - 120
Chloromethane	10.0	7.116		ug/L		71	54 - 140
Dibromochloromethane	10.0	9.954		ug/L		100	80 - 128
Dibromomethane	10.0	9.887		ug/L		99	80 - 120
Dichlorodifluoromethane	10.0	11.21		ug/L		112	63 - 135
Ethylbenzene	10.0	10.01		ug/L		100	80 - 120
Isopropylbenzene	10.0	10.30		ug/L		103	80 - 121
Methylene Chloride	10.0	10.88		ug/L		109	71 - 125
Methyl-t-Butyl Ether (MTBE)	10.0	9.829		ug/L		98	70 - 121
Naphthalene	10.0	9.586		ug/L		96	80 - 125
n-Butylbenzene	10.0	9.743		ug/L		97	80 - 124
N-Propylbenzene	10.0	10.29		ug/L		103	80 - 121
o-Xylene	10.0	10.38		ug/L		104	80 - 120
m,p-Xylene	20.0	20.65		ug/L		103	80 - 120
p-Isopropyltoluene	10.0	9.599		ug/L		96	80 - 121
sec-Butylbenzene	10.0	9.806		ug/L		98	80 - 120
Styrene	10.0	10.41		ug/L		104	80 - 120
trans-1,2-Dichloroethene	10.0	9.203		ug/L		92	74 - 121
trans-1,3-Dichloropropene	10.0	10.54		ug/L		105	80 - 123
tert-Butylbenzene	10.0	9.691		ug/L		97	80 - 120
Tetrachloroethene	10.0	9.981		ug/L		100	80 - 126
Toluene	10.0	9.750		ug/L		97	80 - 120
Trichloroethene	10.0	9.820		ug/L		98	80 - 120
Trichlorofluoromethane	10.0	9.967		ug/L		100	74 - 137
Vinyl acetate	10.0	9.561		ug/L		96	50 - 150
Vinyl chloride	10.0	9.296		ug/L		93	72 - 126

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-43661-1

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

Lab Sample ID: LCS 570-111942/3

Matrix: Water

Analysis Batch: 111942

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	110		80 - 128
4-Bromofluorobenzene (Surr)	101		68 - 120
Dibromofluoromethane	99		80 - 127
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: LCSD 570-111942/4

Matrix: Water

Analysis Batch: 111942

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	9.773		ug/L		98	80 - 126	2	11
1,1,1-Trichloroethane	10.0	9.301		ug/L		93	80 - 125	5	14
1,1,2,2-Tetrachloroethane	10.0	9.545		ug/L		95	80 - 120	2	16
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	9.288		ug/L		93	51 - 140	5	18
1,1,2-Trichloroethane	10.0	9.788		ug/L		98	80 - 120	2	13
1,1-Dichloroethane	10.0	8.842		ug/L		88	77 - 120	6	14
1,1-Dichloroethene	10.0	8.732		ug/L		87	74 - 128	7	17
1,1-Dichloropropene	10.0	9.244		ug/L		92	79 - 125	4	14
1,2,3-Trichlorobenzene	10.0	10.24		ug/L		102	80 - 121	2	15
1,2,3-Trichloropropane	10.0	10.18		ug/L		102	80 - 120	0	14
1,2,4-Trichlorobenzene	10.0	9.884		ug/L		99	80 - 120	3	16
1,2,4-Trimethylbenzene	10.0	9.274		ug/L		93	80 - 122	6	15
1,2-Dibromo-3-Chloropropane	10.0	9.764		ug/L		98	67 - 120	2	20
1,2-Dibromoethane	10.0	9.868		ug/L		99	80 - 120	4	12
1,2-Dichlorobenzene	10.0	9.692		ug/L		97	80 - 120	4	14
1,2-Dichloroethane	10.0	9.986		ug/L		100	80 - 123	1	10
1,2-Dichloropropane	10.0	9.371		ug/L		94	80 - 120	4	11
1,3,5-Trimethylbenzene	10.0	9.718		ug/L		97	80 - 121	4	13
1,3-Dichlorobenzene	10.0	9.443		ug/L		94	80 - 120	4	15
1,3-Dichloropropane	10.0	9.908		ug/L		99	80 - 120	1	13
1,4-Dichlorobenzene	10.0	9.374		ug/L		94	80 - 120	1	15
2,2-Dichloropropane	10.0	9.749		ug/L		97	77 - 139	7	16
2-Butanone	10.0	8.861		ug/L		89	50 - 127	13	26
2-Chlorotoluene	10.0	9.653		ug/L		97	80 - 120	2	13
2-Hexanone	10.0	10.02		ug/L		100	66 - 129	3	21
4-Chlorotoluene	10.0	9.480		ug/L		95	80 - 120	3	16
4-Methyl-2-pentanone	10.0	9.802		ug/L		98	72 - 120	3	14
Acetone	10.0	10.01		ug/L		100	58 - 131	11	30
Benzene	10.0	9.481		ug/L		95	80 - 120	3	12
Bromobenzene	10.0	9.807		ug/L		98	80 - 120	4	11
Bromochloromethane	10.0	8.953		ug/L		90	80 - 120	4	12
Bromodichloromethane	10.0	9.907		ug/L		99	80 - 126	2	11
Bromoform	10.0	9.564		ug/L		96	70 - 141	3	15
Bromomethane	10.0	9.183		ug/L		92	50 - 150	8	22
cis-1,2-Dichloroethene	10.0	9.407		ug/L		94	80 - 121	5	13
cis-1,3-Dichloropropene	10.0	9.634		ug/L		96	80 - 120	1	12
Carbon disulfide	10.0	8.884		ug/L		89	65 - 136	5	17
Carbon tetrachloride	10.0	9.395		ug/L		94	75 - 142	5	15

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-43661-1

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

Lab Sample ID: LCSD 570-111942/4

Matrix: Water

Analysis Batch: 111942

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	9.480		ug/L		95	80 - 120	2	12
Chloroethane	10.0	7.819		ug/L		78	74 - 123	8	17
Chloroform	10.0	9.547		ug/L		95	80 - 120	3	12
Chloromethane	10.0	6.866		ug/L		69	54 - 140	4	19
Dibromochloromethane	10.0	9.766		ug/L		98	80 - 128	2	11
Dibromomethane	10.0	9.283		ug/L		93	80 - 120	6	11
Dichlorodifluoromethane	10.0	10.33		ug/L		103	63 - 135	8	17
Ethylbenzene	10.0	9.780		ug/L		98	80 - 120	2	13
Isopropylbenzene	10.0	9.913		ug/L		99	80 - 121	4	13
Methylene Chloride	10.0	10.52		ug/L		105	71 - 125	3	19
Methyl-t-Butyl Ether (MTBE)	10.0	9.394		ug/L		94	70 - 121	5	11
Naphthalene	10.0	9.532		ug/L		95	80 - 125	1	16
n-Butylbenzene	10.0	9.033		ug/L		90	80 - 124	8	16
N-Propylbenzene	10.0	9.980		ug/L		100	80 - 121	3	14
o-Xylene	10.0	10.16		ug/L		102	80 - 120	2	12
m,p-Xylene	20.0	19.70		ug/L		98	80 - 120	5	13
p-Isopropyltoluene	10.0	9.091		ug/L		91	80 - 121	5	16
sec-Butylbenzene	10.0	9.412		ug/L		94	80 - 120	4	16
Styrene	10.0	10.12		ug/L		101	80 - 120	3	12
trans-1,2-Dichloroethene	10.0	8.708		ug/L		87	74 - 121	6	14
trans-1,3-Dichloropropene	10.0	10.28		ug/L		103	80 - 123	2	13
tert-Butylbenzene	10.0	9.325		ug/L		93	80 - 120	4	16
Tetrachloroethene	10.0	9.491		ug/L		95	80 - 126	5	15
Toluene	10.0	9.363		ug/L		94	80 - 120	4	13
Trichloroethene	10.0	9.200		ug/L		92	80 - 120	7	14
Trichlorofluoromethane	10.0	9.427		ug/L		94	74 - 137	6	16
Vinyl acetate	10.0	9.569		ug/L		96	50 - 150	0	28
Vinyl chloride	10.0	8.589		ug/L		86	72 - 126	8	17

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		80 - 128
4-Bromofluorobenzene (Surr)	101		68 - 120
Dibromofluoromethane	98		80 - 127
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: 570-43697-A-3 MS

Matrix: Water

Analysis Batch: 111942

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	F2	10.0	7.869		ug/L		79	75 - 127
1,1,1-Trichloroethane	ND	F1 F2	10.0	6.848	F1	ug/L		68	72 - 132
1,1,2,2-Tetrachloroethane	ND		10.0	8.687		ug/L		87	75 - 132
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F2	10.0	7.016		ug/L		70	70 - 130
1,1,2-Trichloroethane	ND		10.0	8.362		ug/L		84	75 - 125
1,1-Dichloroethane	ND	F1 F2	10.0	6.660	F1	ug/L		67	68 - 128
1,1-Dichloroethene	ND	F1 F2	10.0	6.438	F1	ug/L		64	66 - 126
1,1-Dichloropropene	ND	F1 F2	10.0	6.845	F1	ug/L		68	74 - 134

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-43661-1

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

Lab Sample ID: 570-43697-A-3 MS

Matrix: Water

Analysis Batch: 111942

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	F2	10.0	8.371		ug/L		84	75 - 125
1,2,3-Trichloropropane	ND		10.0	9.075		ug/L		91	75 - 125
1,2,4-Trichlorobenzene	ND	F2	10.0	8.183		ug/L		82	75 - 125
1,2,4-Trimethylbenzene	ND	F2	10.0	7.539		ug/L		75	75 - 125
1,2-Dibromo-3-Chloropropane	ND		10.0	8.641		ug/L		86	75 - 127
1,2-Dibromoethane	ND	F2	10.0	8.325		ug/L		83	75 - 126
1,2-Dichlorobenzene	ND	F2	10.0	7.949		ug/L		79	75 - 125
1,2-Dichloroethane	ND		10.0	8.659		ug/L		87	75 - 127
1,2-Dichloropropane	ND	F2	10.0	7.599		ug/L		76	75 - 125
1,3,5-Trimethylbenzene	ND	F2	10.0	7.990		ug/L		80	75 - 127
1,3-Dichlorobenzene	ND	F2	10.0	7.619		ug/L		76	75 - 126
1,3-Dichloropropane	ND		10.0	8.389		ug/L		84	75 - 125
1,4-Dichlorobenzene	ND	F2	10.0	7.470		ug/L		75	75 - 125
2,2-Dichloropropane	ND	F2	10.0	7.711		ug/L		77	52 - 160
2-Butanone	ND		10.0	7.604		ug/L		76	20 - 180
2-Chlorotoluene	ND	F2	10.0	7.742		ug/L		77	75 - 128
2-Hexanone	ND		10.0	9.352		ug/L		94	74 - 122
4-Chlorotoluene	ND	F1 F2	10.0	7.424	F1	ug/L		74	75 - 125
4-Methyl-2-pentanone	ND		10.0	9.271		ug/L		93	65 - 137
Acetone	ND		10.0	10.23		ug/L		102	20 - 180
Benzene	ND	F1 F2	10.0	7.438	F1	ug/L		74	75 - 125
Bromobenzene	ND	F2	10.0	8.088		ug/L		81	75 - 128
Bromochloromethane	ND	F1 F2	10.0	7.356	F1	ug/L		74	75 - 128
Bromodichloromethane	ND	F2	10.0	8.177		ug/L		82	75 - 125
Bromoform	ND	F2	10.0	8.122		ug/L		81	71 - 137
Bromomethane	ND		10.0	8.965		ug/L		90	37 - 181
cis-1,2-Dichloroethene	ND	F1 F2	10.0	7.234	F1	ug/L		72	75 - 130
cis-1,3-Dichloropropene	ND	F2	10.0	7.647		ug/L		76	75 - 128
Carbon disulfide	ND	F2	10.0	6.506		ug/L		65	58 - 136
Carbon tetrachloride	ND	F2	10.0	7.073		ug/L		71	69 - 135
Chlorobenzene	ND	F1 F2	10.0	7.352	F1	ug/L		74	75 - 125
Chloroethane	ND		10.0	9.023		ug/L		90	20 - 180
Chloroform	ND	F2	10.0	7.493		ug/L		75	75 - 129
Chloromethane	ND		10.0	6.436		ug/L		64	41 - 149
Dibromochloromethane	ND	F2	10.0	7.901		ug/L		79	75 - 125
Dibromomethane	ND		10.0	8.458		ug/L		85	75 - 129
Dichlorodifluoromethane	ND		10.0	11.25		ug/L		112	28 - 172
Ethylbenzene	ND	F2	10.0	7.548		ug/L		75	75 - 125
Isopropylbenzene	ND	F2	10.0	7.829		ug/L		78	75 - 130
Methylene Chloride	ND		10.0	8.511		ug/L		82	74 - 128
Methyl-t-Butyl Ether (MTBE)	ND	F2	10.0	8.076		ug/L		81	71 - 131
Naphthalene	ND	F2	10.0	7.559		ug/L		76	75 - 136
n-Butylbenzene	ND	F2	10.0	7.896		ug/L		79	75 - 125
N-Propylbenzene	ND	F2	10.0	7.995		ug/L		80	75 - 129
o-Xylene	ND	F2	10.0	8.012		ug/L		80	75 - 127
m,p-Xylene	ND	F2	20.0	15.59		ug/L		78	75 - 125
p-Isopropyltoluene	ND	F2	10.0	7.625		ug/L		76	75 - 125
sec-Butylbenzene	ND	F2	10.0	7.646		ug/L		76	75 - 129
Styrene	ND	F2	10.0	7.739		ug/L		77	28 - 166

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-43661-1

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

Lab Sample ID: 570-43697-A-3 MS

Matrix: Water

Analysis Batch: 111942

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	F1 F2	10.0	6.414	F1	ug/L		64	73 - 133
trans-1,3-Dichloropropene	ND	F2	10.0	8.414		ug/L		84	75 - 125
tert-Butylbenzene	ND	F2	10.0	7.514		ug/L		75	75 - 129
Tetrachloroethene	ND	F2	10.0	7.688		ug/L		77	58 - 124
Toluene	ND	F2	10.0	7.526		ug/L		75	75 - 125
Trichloroethene	0.93	F1 F2	10.0	8.091	F1	ug/L		72	75 - 125
Trichlorofluoromethane	ND		10.0	10.63		ug/L		106	68 - 134
Vinyl acetate	ND		10.0	8.831		ug/L		88	65 - 137
Vinyl chloride	ND		10.0	9.208		ug/L		92	52 - 142

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

Lab Sample ID: 570-43697-A-3 MSD

Matrix: Water

Analysis Batch: 111942

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	F2	10.0	10.04	F2	ug/L		100	75 - 127	24	20
1,1,1-Trichloroethane	ND	F1 F2	10.0	10.13	F2	ug/L		101	72 - 132	39	20
1,1,2,2-Tetrachloroethane	ND		10.0	10.18		ug/L		102	75 - 132	16	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F2	10.0	10.12	F2	ug/L		101	70 - 130	36	20
1,1,2-Trichloroethane	ND		10.0	10.14		ug/L		101	75 - 125	19	20
1,1-Dichloroethane	ND	F1 F2	10.0	9.717	F2	ug/L		97	68 - 128	37	20
1,1-Dichloroethene	ND	F1 F2	10.0	9.929	F2	ug/L		99	66 - 126	43	20
1,1-Dichloropropene	ND	F1 F2	10.0	10.17	F2	ug/L		102	74 - 134	39	20
1,2,3-Trichlorobenzene	ND	F2	10.0	10.73	F2	ug/L		107	75 - 125	25	20
1,2,3-Trichloropropane	ND		10.0	10.63		ug/L		106	75 - 125	16	20
1,2,4-Trichlorobenzene	ND	F2	10.0	10.42	F2	ug/L		104	75 - 125	24	20
1,2,4-Trimethylbenzene	ND	F2	10.0	9.759	F2	ug/L		98	75 - 125	26	20
1,2-Dibromo-3-Chloropropane	ND		10.0	10.08		ug/L		101	75 - 127	15	20
1,2-Dibromoethane	ND	F2	10.0	10.24	F2	ug/L		102	75 - 126	21	20
1,2-Dichlorobenzene	ND	F2	10.0	10.34	F2	ug/L		103	75 - 125	26	20
1,2-Dichloroethane	ND		10.0	10.39		ug/L		104	75 - 127	18	20
1,2-Dichloropropane	ND	F2	10.0	9.821	F2	ug/L		98	75 - 125	26	20
1,3,5-Trimethylbenzene	ND	F2	10.0	10.22	F2	ug/L		102	75 - 127	24	20
1,3-Dichlorobenzene	ND	F2	10.0	9.830	F2	ug/L		98	75 - 126	25	20
1,3-Dichloropropane	ND		10.0	10.22		ug/L		102	75 - 125	20	20
1,4-Dichlorobenzene	ND	F2	10.0	9.762	F2	ug/L		98	75 - 125	27	20
2,2-Dichloropropane	ND	F2	10.0	11.07	F2	ug/L		111	52 - 160	36	20
2-Butanone	ND		10.0	8.869		ug/L		89	20 - 180	15	40
2-Chlorotoluene	ND	F2	10.0	10.01	F2	ug/L		100	75 - 128	26	20
2-Hexanone	ND		10.0	10.75		ug/L		108	74 - 122	14	20
4-Chlorotoluene	ND	F1 F2	10.0	9.806	F2	ug/L		98	75 - 125	28	20
4-Methyl-2-pentanone	ND		10.0	10.40		ug/L		104	65 - 137	11	20

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-43661-1

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

Lab Sample ID: 570-43697-A-3 MSD

Matrix: Water

Analysis Batch: 111942

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		10.0	11.68		ug/L		117	20 - 180	13	52
Benzene	ND	F1 F2	10.0	9.964	F2	ug/L		100	75 - 125	29	20
Bromobenzene	ND	F2	10.0	10.28	F2	ug/L		103	75 - 128	24	20
Bromochloromethane	ND	F1 F2	10.0	10.08	F2	ug/L		101	75 - 128	31	20
Bromodichloromethane	ND	F2	10.0	10.37	F2	ug/L		104	75 - 125	24	20
Bromoform	ND	F2	10.0	9.978	F2	ug/L		100	71 - 137	21	20
Bromomethane	ND		10.0	9.992		ug/L		100	37 - 181	11	22
cis-1,2-Dichloroethene	ND	F1 F2	10.0	10.19	F2	ug/L		102	75 - 130	34	20
cis-1,3-Dichloropropene	ND	F2	10.0	9.913	F2	ug/L		99	75 - 128	26	20
Carbon disulfide	ND	F2	10.0	10.43	F2	ug/L		104	58 - 136	46	20
Carbon tetrachloride	ND	F2	10.0	10.58	F2	ug/L		106	69 - 135	40	20
Chlorobenzene	ND	F1 F2	10.0	9.796	F2	ug/L		98	75 - 125	29	20
Chloroethane	ND		10.0	9.790		ug/L		98	20 - 180	8	20
Chloroform	ND	F2	10.0	10.50	F2	ug/L		105	75 - 129	33	20
Chloromethane	ND		10.0	7.710		ug/L		77	41 - 149	18	20
Dibromochloromethane	ND	F2	10.0	10.17	F2	ug/L		102	75 - 125	25	20
Dibromomethane	ND		10.0	10.14		ug/L		101	75 - 129	18	20
Dichlorodifluoromethane	ND		10.0	9.179		ug/L		92	28 - 172	20	20
Ethylbenzene	ND	F2	10.0	10.13	F2	ug/L		101	75 - 125	29	20
Isopropylbenzene	ND	F2	10.0	10.42	F2	ug/L		104	75 - 130	28	20
Methylene Chloride	ND		10.0	9.523		ug/L		92	74 - 128	11	20
Methyl-t-Butyl Ether (MTBE)	ND	F2	10.0	10.03	F2	ug/L		100	71 - 131	22	20
Naphthalene	ND	F2	10.0	9.872	F2	ug/L		99	75 - 136	27	20
n-Butylbenzene	ND	F2	10.0	10.03	F2	ug/L		100	75 - 125	24	20
N-Propylbenzene	ND	F2	10.0	10.44	F2	ug/L		104	75 - 129	27	20
o-Xylene	ND	F2	10.0	10.49	F2	ug/L		105	75 - 127	27	20
m,p-Xylene	ND	F2	20.0	20.72	F2	ug/L		104	75 - 125	28	20
p-Isopropyltoluene	ND	F2	10.0	9.678	F2	ug/L		97	75 - 125	24	20
sec-Butylbenzene	ND	F2	10.0	9.936	F2	ug/L		99	75 - 129	26	20
Styrene	ND	F2	10.0	10.10	F2	ug/L		101	28 - 166	26	20
trans-1,2-Dichloroethene	ND	F1 F2	10.0	9.800	F2	ug/L		98	73 - 133	42	20
trans-1,3-Dichloropropene	ND	F2	10.0	10.51	F2	ug/L		105	75 - 125	22	20
tert-Butylbenzene	ND	F2	10.0	9.714	F2	ug/L		97	75 - 129	26	20
Tetrachloroethene	ND	F2	10.0	10.25	F2	ug/L		103	58 - 124	29	20
Toluene	ND	F2	10.0	9.839	F2	ug/L		98	75 - 125	27	20
Trichloroethene	0.93	F1 F2	10.0	10.80	F2	ug/L		99	75 - 125	29	20
Trichlorofluoromethane	ND		10.0	9.509		ug/L		95	68 - 134	11	20
Vinyl acetate	ND		10.0	10.37		ug/L		104	65 - 137	16	20
Vinyl chloride	ND		10.0	9.551		ug/L		96	52 - 142	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		80 - 128
4-Bromofluorobenzene (Surr)	101		68 - 120
Dibromofluoromethane	103		80 - 127
Toluene-d8 (Surr)	97		80 - 120

QC Sample Results

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

Job ID: 570-43661-1

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

Lab Sample ID: MB 570-110481/1-A

Matrix: Water

Analysis Batch: 110661

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110481

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.50		ug/L		11/18/20 07:43	11/18/20 23:44	1
Isotope Dilution	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	30		15 - 150				11/18/20 07:43	11/18/20 23:44	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	75		46 - 128				11/18/20 07:43	11/18/20 23:44	1

Lab Sample ID: LCS 570-110481/2-A

Matrix: Water

Analysis Batch: 110661

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110481

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
1,4-Dioxane			20.0	18.23		ug/L		91	57 - 136	
Isotope Dilution	%Recovery	LCS Qualifier	Limits							
1,4-Dioxane-d8	30		15 - 150							
Surrogate	%Recovery	LCS Qualifier	Limits							
Nitrobenzene-d5	72		46 - 128							

Lab Sample ID: LCSD 570-110481/3-A

Matrix: Water

Analysis Batch: 110661

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110481

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane			20.0	18.23		ug/L		91	57 - 136	0	20
Isotope Dilution	%Recovery	LCSD Qualifier	Limits								
1,4-Dioxane-d8	34		15 - 150								
Surrogate	%Recovery	LCSD Qualifier	Limits								
Nitrobenzene-d5	79		46 - 128								

Lab Sample ID: 570-43697-B-3-A MS

Matrix: Water

Analysis Batch: 110661

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 110481

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
1,4-Dioxane	ND		20.0	18.56		ug/L		93	45 - 139	
Isotope Dilution	%Recovery	MS Qualifier	Limits							
1,4-Dioxane-d8	38		15 - 150							
Surrogate	%Recovery	MS Qualifier	Limits							
Nitrobenzene-d5	70		46 - 128							

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QC Sample Results

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

Job ID: 570-43661-1

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

Lab Sample ID: 570-43697-B-3-B MSD

Matrix: Water

Analysis Batch: 110661

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 110481

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	17.36		ug/L	-	87	45 - 139	7	17
MSD MSD											
Isotope Dilution	%Recovery	Qualifier	Limits								
1,4-Dioxane-d8	36		15 - 150								
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
Nitrobenzene-d5	76		46 - 128								

QC Association Summary

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

Job ID: 570-43661-1

GC/MS VOA

Analysis Batch: 111942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-43661-1	TB-111220	Total/NA	Water	8260B	
570-43661-2	HEW-03	Total/NA	Water	8260B	
570-43661-3	HEW-0300	Total/NA	Water	8260B	
570-43661-4	HEW-02	Total/NA	Water	8260B	
570-43661-5	HEW-05	Total/NA	Water	8260B	
MB 570-111942/6	Method Blank	Total/NA	Water	8260B	
LCS 570-111942/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-111942/4	Lab Control Sample Dup	Total/NA	Water	8260B	
570-43697-A-3 MS	Matrix Spike	Total/NA	Water	8260B	
570-43697-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 110481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-43661-2	HEW-03	Total/NA	Water	3510C	
570-43661-3	HEW-0300	Total/NA	Water	3510C	
570-43661-4	HEW-02	Total/NA	Water	3510C	
570-43661-5	HEW-05	Total/NA	Water	3510C	
MB 570-110481/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-110481/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-110481/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
570-43697-B-3-A MS	Matrix Spike	Total/NA	Water	3510C	
570-43697-B-3-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 110661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-110481/1-A	Method Blank	Total/NA	Water	8270C SIM ID	110481
LCS 570-110481/2-A	Lab Control Sample	Total/NA	Water	8270C SIM ID	110481
LCSD 570-110481/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM ID	110481
570-43697-B-3-A MS	Matrix Spike	Total/NA	Water	8270C SIM ID	110481
570-43697-B-3-B MSD	Matrix Spike Duplicate	Total/NA	Water	8270C SIM ID	110481

Analysis Batch: 110674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-43661-2	HEW-03	Total/NA	Water	8270C SIM ID	110481
570-43661-3	HEW-0300	Total/NA	Water	8270C SIM ID	110481
570-43661-4	HEW-02	Total/NA	Water	8270C SIM ID	110481
570-43661-5	HEW-05	Total/NA	Water	8270C SIM ID	110481

Lab Chronicle

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

Job ID: 570-43661-1

Client Sample ID: TB-111220

Lab Sample ID: 570-43661-1

Date Collected: 11/12/20 07:45

Matrix: Water

Date Received: 11/12/20 11:10

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	111942	11/24/20 13:49	OH1	ECL 2
Instrument ID: GCMSL										

Client Sample ID: HEW-03

Lab Sample ID: 570-43661-2

Date Collected: 11/12/20 08:02

Matrix: Water

Date Received: 11/12/20 11:10

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	111942	11/24/20 16:17	OH1	ECL 2
Instrument ID: GCMSL										
Total/NA	Prep	3510C			100.0 mL	10 mL	110481	11/18/20 07:44	PQS1	ECL 1
Total/NA	Analysis	8270C SIM ID		1			110674	11/19/20 10:59	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: HEW-0300

Lab Sample ID: 570-43661-3

Date Collected: 11/12/20 08:45

Matrix: Water

Date Received: 11/12/20 11:10

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	111942	11/24/20 16:47	OH1	ECL 2
Instrument ID: GCMSL										
Total/NA	Prep	3510C			100.0 mL	10 mL	110481	11/18/20 07:44	PQS1	ECL 1
Total/NA	Analysis	8270C SIM ID		1			110674	11/19/20 11:13	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: HEW-02

Lab Sample ID: 570-43661-4

Date Collected: 11/12/20 08:20

Matrix: Water

Date Received: 11/12/20 11:10

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	111942	11/24/20 17:17	OH1	ECL 2
Instrument ID: GCMSL										
Total/NA	Prep	3510C			100.0 mL	10 mL	110481	11/18/20 07:44	PQS1	ECL 1
Total/NA	Analysis	8270C SIM ID		1			110674	11/19/20 11:28	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Client Sample ID: HEW-05

Lab Sample ID: 570-43661-5

Date Collected: 11/12/20 08:59

Matrix: Water

Date Received: 11/12/20 11:10

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	111942	11/24/20 17:46	OH1	ECL 2
Instrument ID: GCMSL										
Total/NA	Prep	3510C			100.0 mL	10 mL	110481	11/18/20 07:44	PQS1	ECL 1
Total/NA	Analysis	8270C SIM ID		1			110674	11/19/20 11:42	AJ2Q	ECL 1
Instrument ID: GCMSDDD										

Eurofins Calscience LLC

Lab Chronicle

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

Job ID: 570-43661-1

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: Raytheon Bldg 684 / 764.10

Job ID: 570-43661-1

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	11-30-20
California	State	2944	09-30-21
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

Method Summary

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

Job ID: 570-43661-1

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 Bldg 684 / 764.10

Job ID: 570-43661-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-43661-1	TB-111220	Water	11/12/20 07:45	11/12/20 11:10	
570-43661-2	HEW-03	Water	11/12/20 08:02	11/12/20 11:10	
570-43661-3	HEW-0300	Water	11/12/20 08:45	11/12/20 11:10	
570-43661-4	HEW-02	Water	11/12/20 08:20	11/12/20 11:10	
570-43661-5	HEW-05	Water	11/12/20 08:59	11/12/20 11:10	



570-43661 Chain of Custody

HARGIS+ASSOCIATES, INC.
HYDROGEOLOGY • ENGINEERINGPROJECT: Building 684 - Raytheon
TASK NO.: 764.10

Date: 11-12-20

Page 1 of 1

Project Manager Steve Netto

QA Manager Andrew Donnelly

Phone 858-455-6500

Project BCI Fullerton 764.10		Sampled By: A. Janson D. Sealee		SAMPLE COLLECTION		MATRIX		PRESERVATION		CONTAINERS		ANALYSIS REQUESTED		ESTIMATED CONCENTRATION					SPECIAL HANDLING		MS/MSD Requested	REMARKS
LAB ID	SAMPLE ID	Date	Time	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			
1	TB-11122020	11-12-20	0745		X					X	3		X		X					X		
2	HEW-03		0802	X		X					3		X		X							
	↓		↓	X								1	X		X							
3	HEW-0300		0845	X		X					3		X		X							
	↓		↓	X								1	X		X							
4	HEW-02		0820	X		X					3		X			X						
	↓		↓	X								1	X		X							
5	HEW-05		0859	X		X					3		X		X							
	↓		↓	X								1	X		X							

Total number of containers per analysis:

Total No. of Containers:

Comments: Report "J" Flags

Geotracker ID: T0605900143; Log Code: HARG

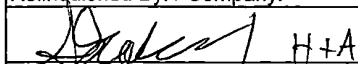
Field Point ID = QCTB for Trip Blanks ("TB-"), QCRB for Equipment Rinse Blanks ("RB-"), all other samples Field Point ID = Sample ID

Relinquished By: / Company:

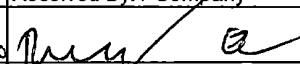
Date / Time

Received By: / Company

Date / Time

 H+A

11-12-20 11:10



11/12/20 11:10

Relinquished By: / Company:

Date / Time

Received By: / Company

Date / Time

- ☐ 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

2-9/2-1 866

Login Sample Receipt Checklist

Client: Hargis + Associates, Inc.

Job Number: 570-43661-1

Login Number: 43661

List Source: Eurofins Calscience

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	